



# KMIP Symmetric Key Foundry for FIPS 140-2 Profile Version 1.0

## OASIS Standard

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<http://docs.oasis-open.org/kmip/kmip-sym-foundry-profile/v1.0/kmip-sym-foundry-profile-v1.0.html>  
<http://docs.oasis-open.org/kmip/kmip-sym-foundry-profile/v1.0/kmip-sym-foundry-profile-v1.0.pdf>

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### Related work:

This specification is related to:

- *Key Management Interoperability Protocol Profiles Version 1.0*. Edited by Robert Griffin and Subhash Sankuratripati. Latest version: <http://docs.oasis-open.org/kmip/profiles/v1.0/kmip-profiles-1.0.html>.
- *Key Management Interoperability Protocol Profiles Version 1.1*. Edited by Robert Griffin and Subhash Sankuratripati. Latest version: <http://docs.oasis-open.org/kmip/profiles/v1.1/kmip-profiles-v1.1.html>.

- *Key Management Interoperability Protocol Profiles Version 1.2*. Edited by Tim Hudson and Robert Lockhart. Latest version: <http://docs.oasis-open.org/kmip/profiles/v1.2/kmip-profiles-v1.2.html>.
- *Key Management Interoperability Protocol Specification Version 1.1*. Edited by Robert Haas and Indra Fitzgerald. Latest version: <http://docs.oasis-open.org/kmip/spec/v1.1/kmip-spec-v1.1.html>.
- *Key Management Interoperability Protocol Specification Version 1.2*. Edited by Kiran Thota and Kelley Burgin. Latest version: <http://docs.oasis-open.org/kmip/spec/v1.2/kmip-spec-v1.2.html>.
- *Key Management Interoperability Protocol Test Cases Version 1.2*. Edited by Tim Hudson and Faisal Faruqi. Latest version: <http://docs.oasis-open.org/kmip/testcases/v1.2/kmip-testcases-v1.2.html>.
- *Key Management Interoperability Protocol Usage Guide Version 1.2*. Edited by Indra Fitzgerald and Judith Furlong. Latest version: <http://docs.oasis-open.org/kmip/ug/v1.2/kmip-ug-v1.2.html>.

**Abstract:**

Describes a profile for a KMIP server creating FIPS140-2 approved symmetric key algorithms based on requests received from a KMIP client.

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---

# 1 Introduction

For normative definition of the elements of KMIP see the [KMIP Specification](#) [KMIP-SPEC] and the [KMIP Profiles](#) [KMIP-PROF].

This profile defines the necessary KMIP functionality that a KMIP implementations conforming to this profile SHALL support in order to interoperate in conformance with this profile.

## 1.1 Terminology

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

## 1.2 Normative References

- [RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.
- [KMIP-ENCODE] *KMIP Additional Message Encodings Version 1.0*. Edited by Tim Hudson. Latest version: <http://docs.oasis-open.org/kmip/kmip-addtl-msg-enc/v1.0/kmip-addtl-msg-enc-v1.0.doc>.
- [KMIP-SPEC] One or more of [KMIP-SPEC-1\_0], [KMIP-SPEC-1\_1], [KMIP-SPEC-1\_2]
- [KMIP-SPEC-1\_0] *Key Management Interoperability Protocol Specification Version 1.0* <http://docs.oasis-open.org/kmip/spec/v1.0/os/kmip-spec-1.0-os.doc> OASIS Standard, October 2010.
- [KMIP-SPEC-1\_1] *Key Management Interoperability Protocol Specification Version 1.1*. <http://docs.oasis-open.org/kmip/spec/v1.1/os/kmip-spec-v1.1-os.doc> OASIS Standard. 24 January 2013.
- [KMIP-SPEC-1\_2] *Key Management Interoperability Protocol Specification Version 1.2*. Edited by Kiran Thota and Kelley Burgin. Latest version: <http://docs.oasis-open.org/kmip/spec/v1.2/kmip-spec-v1.2.doc>
- [KMIP-PROF] One or more of [KMIP-PROF-1\_0], [KMIP-PROF-1\_1], [KMIP-PROF-1\_2]
- [KMIP-PROF-1\_0] *Key Management Interoperability Protocol Profiles Version 1.0*. <http://docs.oasis-open.org/kmip/profiles/v1.0/os/kmip-profiles-1.0-os.doc> OASIS Standard. 1 October 2010.
- [KMIP-PROF-1\_1] *Key Management Interoperability Protocol Profiles Version 1.1*. <http://docs.oasis-open.org/kmip/profiles/v1.1/os/kmip-profiles-v1.1-os.doc> OASIS Standard 01. 24 January 2013.
- [KMIP-PROF-1\_2] *Key Management Interoperability Protocol Profiles Version 1.2*. Edited by Tim Hudson and Robert Lockhart. Latest version: <http://docs.oasis-open.org/kmip/profiles/v1.2/kmip-profiles-v1.2.doc>.

---

## 2 Symmetric Key Foundry (FIPS140) Profiles

37 The Symmetric Key Foundry (FIPS140) Profile is a KMIP server responding to KMIP client requests to  
38 create symmetric keys using FIPS 140-2 approved algorithms.

### 2.1 Authentication Suite

40 Implementations conformant to this profile SHALL support at least one of the Authentication Suites  
41 defined within [KMIP-PROF].

### 2.2 Basic Symmetric Key Foundry (FIPS140) Client Profile

42 KMIP clients conformant to this profile under [KMIP-SPEC-1\_0]:

43 1. SHALL conform to the [KMIP-SPEC-1\_0]

44 KMIP clients conformant to this profile under [KMIP-SPEC-1\_1]:

45 2. SHALL conform to the *Baseline Client Clause* of [KMIP-PROF-1\_1]

46 KMIP clients conformant to this profile under [KMIP-SPEC-1\_2]:

47 3. SHALL conform to the *Baseline Client* of [KMIP-PROF-1\_2]

48 KMIP clients conformant to this profile:

49 4. MAY support any clause within [KMIP-SPEC] provided it does not conflict with any other clause  
50 within this section 2.2

51 5. MAY support extensions outside the scope of this standard (e.g., vendor extensions,  
52 conformance clauses) that do not contradict any KMIP requirements.  
53

### 2.3 Intermediate Symmetric Key Foundry (FIPS140) Client Profile

54 KMIP clients conformant to this profile under [KMIP-SPEC-1\_0]:

55 1. SHALL conform to the [KMIP-SPEC-1\_0]

56 KMIP clients conformant to this profile under [KMIP-SPEC-1\_1]:

57 2. SHALL conform to the *Baseline Client Clause* of [KMIP-PROF-1\_1]

58 KMIP clients conformant to this profile under [KMIP-SPEC-1\_2]:

59 3. SHALL conform to the *Baseline Client* of [KMIP-PROF-1\_2]

60 KMIP clients conformant to this profile:

61 4. MAY support any clause within [KMIP-SPEC] provided it does not conflict with any other clause  
62 within this section 2.3

63 5. MAY support extensions outside the scope of this standard (e.g., vendor extensions,  
64 conformance clauses) that do not contradict any KMIP requirements.  
65

### 2.4 Advanced Symmetric Key Foundry (FIPS140) Client Profile

66 KMIP clients conformant to this profile under [KMIP-SPEC-1\_0]:

67 1. SHALL conform to the [KMIP-SPEC-1\_0]

68 KMIP clients conformant to this profile under [KMIP-SPEC-1\_1]:

69 2. SHALL conform to the *Baseline Client Clause* of [KMIP-PROF-1\_1]

70 KMIP clients conformant to this profile under [KMIP-SPEC-1\_2]:

71 3. SHALL conform to the *Baseline Client* of [KMIP-PROF-1\_2]

72 KMIP clients conformant to this profile:  
73



- 74 4. MAY support any clause within [KMIP-SPEC] provided it does not conflict with any other clause  
75 within this section 2.4
- 76 5. MAY support extensions outside the scope of this standard (e.g., vendor extensions,  
77 conformance clauses) that do not contradict any KMIP requirements.

## 78 2.5 Symmetric Key Foundry (FIPS140) Server Profile

79 KMIP servers conformant to this profile under [KMIP-SPEC-1\_0]:

- 80 1. SHALL conform to the [KMIP-SPEC-1\_0]

81 KMIP servers conformant to this profile under [KMIP-SPEC-1\_1]:

- 82 2. SHALL conform to the *Baseline Server Clause* of [KMIP-PROF-1\_1]

83 KMIP servers conformant to this profile under [KMIP-SPEC-1\_2]:

- 84 3. SHALL conform to the *Baseline Server* of [KMIP-PROF-1\_2]

85 KMIP servers conformant to this profile:

- 86 4. SHALL support the following *Objects* [KMIP-SPEC]

- 87 a. *Symmetric Key* [KMIP-SPEC]  
88 b. *Key Format Type* [KMIP-SPEC]

- 89 5. SHALL support the following *Attributes* [KMIP-SPEC]

- 90 a. *Cryptographic Algorithm* [KMIP-SPEC]  
91 b. *Cryptographic Length* [KMIP-SPEC] with values:  
92 i. 168 (3DES)  
93 ii. 128 (AES)  
94 iii. 192 (AES)  
95 iv. 256 (AES)  
96 c. *Object Type* [KMIP-SPEC]  
97 d. *Process Start Date* [KMIP-SPEC]  
98 e. *Process Stop Date* [KMIP-SPEC]

- 99 6. SHALL support the following *Client-to-Server* [KMIP-SPEC] operations:

- 100 a. *Create* [KMIP-SPEC]

- 101 7. SHALL support the following *Message Encoding* [KMIP-SPEC]:

- 102 a. *Cryptographic Algorithm* [KMIP-SPEC] with values:  
103 i. 3DES  
104 ii. AES  
105 b. *Object Type* [KMIP-SPEC] with value:  
106 i. Symmetric Key  
107 c. *Key Format Type* [KMIP-SPEC] with value:  
108 i. Raw  
109 ii. Transparent Symmetric Key

- 110 8. MAY support any clause within [KMIP-SPEC] provided it does not conflict with any other clause  
111 within this section 2.5

- 112 9. MAY support extensions outside the scope of this standard (e.g., vendor extensions,  
113 conformance clauses) that do not contradict any KMIP requirements.

## 114 3 Symmetric Key Foundry (FIPS140) Profile - Test 115 Cases

116 The test cases define a number of request-response pairs for KMIP operations. Each test case is  
117 provided in the XML format specified in [KMIP-ENCODE] intended to be both human-readable and usable  
118 by automated tools. The time sequence (starting from 0) for each request-response pair is noted and line  
119 numbers are provided for ease of cross-reference for a given test sequence.

120 Each test case has a unique label (the section name) which includes indication of mandatory (-M-) or  
121 optional (-O-) status and the protocol version major and minor numbers as part of the identifier.

122 The test cases may depend on a specific configuration of a KMIP client and server being configured in a  
123 manner consistent with the test case assumptions.

124 Where possible the flow of unique identifiers between tests, the date-time values, and other dynamic  
125 items are indicated using symbolic identifiers – in actual request and response messages these dynamic  
126 values will be filled in with valid values.

127 Note: the values for the returned items and the custom attributes are illustrative. Actual values from a real  
128 client or server system may vary as specified in section 4.13

### 129 3.1 Mandatory Test Cases KMIP v1.0 - Basic

#### 130 3.1.1 SKFF-M-1-10

131 Create, Destroy AES-128

```
0001 # TIME 0
0002 <RequestMessage>
0003   <RequestHeader>
0004     <ProtocolVersion>
0005       <ProtocolVersionMajor type="Integer" value="1"/>
0006       <ProtocolVersionMinor type="Integer" value="0"/>
0007     </ProtocolVersion>
0008     <BatchCount type="Integer" value="1"/>
0009   </RequestHeader>
0010   <BatchItem>
0011     <Operation type="Enumeration" value="Create"/>
0012     <RequestPayload>
0013       <ObjectType type="Enumeration" value="SymmetricKey"/>
0014       <TemplateAttribute>
0015         <Attribute>
0016           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0017           <AttributeValue type="Enumeration" value="AES"/>
0018         </Attribute>
0019         <Attribute>
0020           <AttributeName type="TextString" value="Cryptographic
Length"/>
0021           <AttributeValue type="Integer" value="128"/>
0022         </Attribute>
0023         <Attribute>
0024           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0025           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0026         </Attribute>
0027       </TemplateAttribute>
0028     </RequestPayload>
0029   </BatchItem>
0030 </BatchItem>
0031 </RequestMessage>
```

0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	<i># TIME 1</i>
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

132

133 **3.1.2 SKFF-M-2-10**

134 Create, Destroy AES-192

```

0001 # TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
0016 Algorithm"/>
0017           <AttributeValue type="Enumeration" value="AES"/>
0018         </Attribute>
0019         <Attribute>
0020           <AttributeName type="TextString" value="Cryptographic
0021 Length"/>
0022           <AttributeValue type="Integer" value="192"/>
0023         </Attribute>
0024         <Attribute>
0025           <AttributeName type="TextString" value="Cryptographic
0026 Usage Mask"/>
0027           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028         </Attribute>
0029       </TemplateAttribute>
0030     </RequestPayload>
0031   </BatchItem>
0032 </RequestMessage>
0030 <ResponseMessage>
0031   <ResponseHeader>
0032     <ProtocolVersion>
0033       <ProtocolVersionMajor type="Integer" value="1"/>
0034       <ProtocolVersionMinor type="Integer" value="0"/>
0035     </ProtocolVersion>
0036     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037     <BatchCount type="Integer" value="1"/>
0038   </ResponseHeader>
0039   <BatchItem>
0040     <Operation type="Enumeration" value="Create"/>
0041     <ResultStatus type="Enumeration" value="Success"/>
0042     <ResponsePayload>
0043       <ObjectType type="Enumeration" value="SymmetricKey"/>
0044       <UniqueIdentifier type="TextString"
0045 value="$UNIQUE_IDENTIFIER_0"/>
0046     </ResponsePayload>
0047   </BatchItem>
0048 </ResponseMessage>

```

```

0048 # TIME 1
0048 <RequestMessage>
0049   <RequestHeader>
0050     <ProtocolVersion>
0051       <ProtocolVersionMajor type="Integer" value="1"/>
0052       <ProtocolVersionMinor type="Integer" value="0"/>
0053     </ProtocolVersion>
0054     <BatchCount type="Integer" value="1"/>
0055   </RequestHeader>
0056   <BatchItem>
0057     <Operation type="Enumeration" value="Destroy"/>
0058     <RequestPayload>
0059       <UniqueIdentifier type="TextString"
0060 value="$UNIQUE_IDENTIFIER_0"/>
0061     </RequestPayload>
0062   </BatchItem>
0062 </RequestMessage>
0063 <ResponseMessage>
0064   <ResponseHeader>
0065     <ProtocolVersion>
0066       <ProtocolVersionMajor type="Integer" value="1"/>
0067       <ProtocolVersionMinor type="Integer" value="0"/>
0068     </ProtocolVersion>
0069     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070     <BatchCount type="Integer" value="1"/>
0071   </ResponseHeader>
0072   <BatchItem>
0073     <Operation type="Enumeration" value="Destroy"/>
0074     <ResultStatus type="Enumeration" value="Success"/>
0075     <ResponsePayload>
0076       <UniqueIdentifier type="TextString"
0077 value="$UNIQUE_IDENTIFIER_0"/>
0078     </ResponsePayload>
0079   </BatchItem>
0079 </ResponseMessage>

```

135

### 136 3.1.3 SKFF-M-3-10

137 Create, Destroy AES-256

```

0001 # TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>

```

0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>

```

0069     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070     <BatchCount type="Integer" value="1"/>
0071   </ResponseHeader>
0072   <BatchItem>
0073     <Operation type="Enumeration" value="Destroy"/>
0074     <ResultStatus type="Enumeration" value="Success"/>
0075     <ResponsePayload>
0076       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0077     </ResponsePayload>
0078   </BatchItem>
0079 </ResponseMessage>

```

138

### 139 3.1.4 SKFF-M-4-10

140 Create, Destroy DES3-168

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="DES3"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="168"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0024           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025         </Attribute>
0026       </TemplateAttribute>
0027     </RequestPayload>
0028   </BatchItem>
0029 </RequestMessage>
0030 <ResponseMessage>
0031   <ResponseHeader>
0032     <ProtocolVersion>
0033       <ProtocolVersionMajor type="Integer" value="1"/>
0034       <ProtocolVersionMinor type="Integer" value="0"/>
0035     </ProtocolVersion>
0036     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>

```

0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	# TIME 1
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

## 141 3.2 Mandatory Test Cases KMIP v1.0 – Intermediate

### 142 3.2.1 SKFF-M-5-10

143 Create, Locate, Get, Destroy, Locate AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>



```

0004     <ProtocolVersionMajor type="Integer" value="1"/>
0005     <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008     </RequestHeader>
0009     <BatchItem>
0010         <Operation type="Enumeration" value="Create"/>
0011         <RequestPayload>
0012             <ObjectType type="Enumeration" value="SymmetricKey"/>
0013             <TemplateAttribute>
0014                 <Attribute>
0015                     <AttributeName type="TextString" value="Name"/>
0016                     <AttributeValue>
0017                         <NameValue type="TextString" value="SKFF-M-5-10"/>
0018                         <NameType type="Enumeration"
value="UninterpretedTextString"/>
0019                     </AttributeValue>
0020                 </Attribute>
0021                 <Attribute>
0022                     <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0023                     <AttributeValue type="Enumeration" value="AES"/>
0024                 </Attribute>
0025                 <Attribute>
0026                     <AttributeName type="TextString" value="Cryptographic
Length"/>
0027                     <AttributeValue type="Integer" value="128"/>
0028                 </Attribute>
0029                 <Attribute>
0030                     <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031                     <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032                 </Attribute>
0033                 <Attribute>
0034                     <AttributeName type="TextString" value="Contact
Information"/>
0035                     <AttributeValue type="TextString" value="Joe"/>
0036                 </Attribute>
0037             </TemplateAttribute>
0038         </RequestPayload>
0039     </BatchItem>
0040 </RequestMessage>
0041 <ResponseMessage>
0042     <ResponseHeader>
0043         <ProtocolVersion>
0044             <ProtocolVersionMajor type="Integer" value="1"/>
0045             <ProtocolVersionMinor type="Integer" value="0"/>
0046         </ProtocolVersion>
0047         <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048         <BatchCount type="Integer" value="1"/>
0049     </ResponseHeader>
0050     <BatchItem>
0051         <Operation type="Enumeration" value="Create"/>
0052         <ResultStatus type="Enumeration" value="Success"/>
0053         <ResponsePayload>
0054             <ObjectType type="Enumeration" value="SymmetricKey"/>
0055             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>

```

0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-5-10"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
0101	# TIME 2 <RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>

0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ff52f70583d7321722c6d4e5e4605071"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="128"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>

0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

144

### 145 3.2.2 SKFF-M-6-10

146 Create, Locate, Get, Destroy, Locate AES-192

0001	# TIME 0 <RequestMessage>
------	------------------------------

```

0002 <RequestHeader>
0003   <ProtocolVersion>
0004     <ProtocolVersionMajor type="Integer" value="1"/>
0005     <ProtocolVersionMinor type="Integer" value="0"/>
0006   </ProtocolVersion>
0007   <BatchCount type="Integer" value="1"/>
0008 </RequestHeader>
0009 <BatchItem>
0010   <Operation type="Enumeration" value="Create"/>
0011   <RequestPayload>
0012     <ObjectType type="Enumeration" value="SymmetricKey"/>
0013     <TemplateAttribute>
0014       <Attribute>
0015         <AttributeName type="TextString" value="Name"/>
0016         <AttributeValue>
0017           <NameValue type="TextString" value="SKFF-M-6-10"/>
0018           <NameType type="Enumeration"
value="UninterpretedTextString"/>
0019         </AttributeValue>
0020       </Attribute>
0021       <Attribute>
0022         <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0023         <AttributeValue type="Enumeration" value="AES"/>
0024       </Attribute>
0025       <Attribute>
0026         <AttributeName type="TextString" value="Cryptographic
Length"/>
0027         <AttributeValue type="Integer" value="192"/>
0028       </Attribute>
0029       <Attribute>
0030         <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031         <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032       </Attribute>
0033       <Attribute>
0034         <AttributeName type="TextString" value="Contact
Information"/>
0035         <AttributeValue type="TextString" value="Joe"/>
0036       </Attribute>
0037     </TemplateAttribute>
0038   </RequestPayload>
0039 </BatchItem>
0040 </RequestMessage>
0041 <ResponseMessage>
0042   <ResponseHeader>
0043     <ProtocolVersion>
0044       <ProtocolVersionMajor type="Integer" value="1"/>
0045       <ProtocolVersionMinor type="Integer" value="0"/>
0046     </ProtocolVersion>
0047     <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048     <BatchCount type="Integer" value="1"/>
0049   </ResponseHeader>
0050   <BatchItem>
0051     <Operation type="Enumeration" value="Create"/>
0052     <ResultStatus type="Enumeration" value="Success"/>
0053     <ResponsePayload>
0054       <ObjectType type="Enumeration" value="SymmetricKey"/>

```

0055	<UniqueIdentifier type="TextString"
0056	value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>
0059	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="0"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
0073	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0074	</Attribute>
0075	<Attribute>
0076	<AttributeName type="TextString" value="Name"/>
0077	<AttributeValue>
0078	<NameValue type="TextString" value="SKFF-M-6-10"/>
0079	<NameType type="Enumeration"
0080	value="UninterpretedTextString"/>
0081	</AttributeValue>
0082	</Attribute>
0083	</RequestPayload>
0084	</BatchItem>
0085	</RequestMessage>
0086	<ResponseMessage>
0087	<ResponseHeader>
0088	<ProtocolVersion>
0089	<ProtocolVersionMajor type="Integer" value="1"/>
0090	<ProtocolVersionMinor type="Integer" value="0"/>
0091	</ProtocolVersion>
0092	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0093	<BatchCount type="Integer" value="1"/>
0094	</ResponseHeader>
0095	<BatchItem>
0096	<Operation type="Enumeration" value="Locate"/>
0097	<ResponseStatus type="Enumeration" value="Success"/>
0098	<ResponsePayload>
0099	<UniqueIdentifier type="TextString"
0100	value="\$UNIQUE_IDENTIFIER_0"/>
0101	</ResponsePayload>
0102	</BatchItem>
0103	</ResponseMessage>
0104	# TIME 2
0105	<RequestMessage>
0106	<RequestHeader>
0107	<ProtocolVersion>
	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="0"/>
	</ProtocolVersion>
	<BatchCount type="Integer" value="1"/>

0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="ae2443611895beb460237aa0a86e1d097d77e33307a8aaff"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="192"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
0144	# TIME 3 <RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>

0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

147

### 148 3.2.3 SKFF-M-7-10

149 Create, Locate, Get, Destroy, Locate AES-256



```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-M-7-10"/>
0018             <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0020           </AttributeValue>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Cryptographic
0024 Algorithm"/>
0025           <AttributeValue type="Enumeration" value="AES"/>
0026         </Attribute>
0027         <Attribute>
0028           <AttributeName type="TextString" value="Cryptographic
0029 Length"/>
0030           <AttributeValue type="Integer" value="256"/>
0031         </Attribute>
0032         <Attribute>
0033           <AttributeName type="TextString" value="Cryptographic
0034 Usage Mask"/>
0035           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0036         </Attribute>
0037         <Attribute>
0038           <AttributeName type="TextString" value="Contact
0039 Information"/>
0040           <AttributeValue type="TextString" value="Joe"/>
0041         </Attribute>
0042       </TemplateAttribute>
0043     </RequestPayload>
0044   </BatchItem>
0045 </RequestMessage>
0046 <ResponseMessage>
0047   <ResponseHeader>
0048     <ProtocolVersion>
0049       <ProtocolVersionMajor type="Integer" value="1"/>
0050       <ProtocolVersionMinor type="Integer" value="0"/>
0051     </ProtocolVersion>
0052     <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0053     <BatchCount type="Integer" value="1"/>
0054   </ResponseHeader>
0055   <BatchItem>
0056     <Operation type="Enumeration" value="Create"/>
0057     <ResultStatus type="Enumeration" value="Success"/>

```

0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>

0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="f88b2ddae98a018dc3b73df2b06895e548af3e1f93d66e40ea807b9078de0 b18"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="256"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	<i># TIME 3</i>
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>

0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	<i># TIME 4</i>
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

151 **3.2.4 SKFF-M-8-10**

152 Create, Locate, Get, Destroy, Locate DES3-168

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-M-8-10"/>
0018             <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0020           </AttributeValue>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Cryptographic
0024 Algorithm"/>
0025           <AttributeValue type="Enumeration" value="DES3"/>
0026         </Attribute>
0027         <Attribute>
0028           <AttributeName type="TextString" value="Cryptographic
0029 Length"/>
0030           <AttributeValue type="Integer" value="168"/>
0031         </Attribute>
0032         <Attribute>
0033           <AttributeName type="TextString" value="Cryptographic
0034 Usage Mask"/>
0035           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0036         </Attribute>
0037         <Attribute>
0038           <AttributeName type="TextString" value="Contact
0039 Information"/>
0040           <AttributeValue type="TextString" value="Joe"/>
0041         </Attribute>
0042       </TemplateAttribute>
0043     </RequestPayload>
0044   </BatchItem>
0045 </RequestMessage>
0046 <ResponseMessage>
0047   <ResponseHeader>
0048     <ProtocolVersion>
0049       <ProtocolVersionMajor type="Integer" value="1"/>
0050       <ProtocolVersionMinor type="Integer" value="0"/>
0051     </ProtocolVersion>
0052     <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0053     <BatchCount type="Integer" value="1"/>
0054   </ResponseHeader>

```

0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-8-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>

0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="168"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>



153 **3.3 Mandatory Test Cases KMIP v1.0 – Advanced**

154 **3.3.1 SKFF-M-9-10**

155 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

```
0001 # TIME 0
0002 <RequestMessage>
0003   <RequestHeader>
0004     <ProtocolVersion>
0005       <ProtocolVersionMajor type="Integer" value="1"/>
0006       <ProtocolVersionMinor type="Integer" value="0"/>
0007     </ProtocolVersion>
0008     <BatchCount type="Integer" value="1"/>
0009   </RequestHeader>
0010   <BatchItem>
0011     <Operation type="Enumeration" value="Create"/>
0012     <RequestPayload>
0013       <ObjectType type="Enumeration" value="SymmetricKey"/>
0014       <TemplateAttribute>
0015         <Attribute>
0016           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0017           <AttributeValue type="Enumeration" value="AES"/>
0018         </Attribute>
0019         <Attribute>
0020           <AttributeName type="TextString" value="Cryptographic
Length"/>
0021           <AttributeValue type="Integer" value="128"/>
0022         </Attribute>
0023         <Attribute>
0024           <AttributeName type="TextString" value="Name"/>
0025           <AttributeValue>
0026             <NameValue type="TextString" value="SKFF-M-9-10"/>
0027             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0028           </AttributeValue>
0029         </Attribute>
0030         <Attribute>
0031           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0032           <AttributeValue type="Integer" value="Encrypt"/>
0033         </Attribute>
0034       </TemplateAttribute>
0035     </RequestPayload>
0036   </BatchItem>
0037 </RequestMessage>
0038 <ResponseMessage>
0039   <ResponseHeader>
0040     <ProtocolVersion>
0041       <ProtocolVersionMajor type="Integer" value="1"/>
0042       <ProtocolVersionMinor type="Integer" value="0"/>
0043     </ProtocolVersion>
0044     <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0045     <BatchCount type="Integer" value="1"/>
0046   </ResponseHeader>
0047   <BatchItem>
0048     <Operation type="Enumeration" value="Create"/>
```

0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
	# TIME 1
0055	<RequestMessage>
0056	<RequestHeader>
0057	<ProtocolVersion>
0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="0"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="0"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="0"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>

0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="0"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="0"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="0"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="0"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-10"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0184	</BatchItem>
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0186	<ResponseMessage>
0187	<ResponseHeader>
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0193	<BatchCount type="Integer" value="1"/>
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0195	<BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
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	# TIME 5
0203	<RequestMessage>
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0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString" value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="128"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	<i># TIME 6</i>
0246	<RequestMessage>
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0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>

0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
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0263	</BatchItem>
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0266	<ResponseHeader>
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0272	<BatchCount type="Integer" value="1"/>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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0279	</ResponsePayload>
0280	</BatchItem>
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	# TIME 7
0282	<RequestMessage>
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0289	</RequestHeader>
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0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
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0305	<BatchCount type="Integer" value="1"/>
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0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
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0312	<Attribute>

0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
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# TIME 8	
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0330	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
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0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
0363	</ResponsePayload>

0364	</BatchItem>
0365	</ResponseMessage>
	# TIME 9
0366	<RequestMessage>
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0369	<ProtocolVersionMajor type="Integer" value="1"/>
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0371	</ProtocolVersion>
0372	<BatchCount type="Integer" value="1"/>
0373	</RequestHeader>
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0376	<RequestPayload>
0377	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0378	<AttributeName type="TextString" value="State"/>
0379	</RequestPayload>
0380	</BatchItem>
0381	</RequestMessage>
0382	<ResponseMessage>
0383	<ResponseHeader>
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0389	<BatchCount type="Integer" value="1"/>
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0391	<BatchItem>
0392	<Operation type="Enumeration" value="GetAttributes"/>
0393	<ResultStatus type="Enumeration" value="Success"/>
0394	<ResponsePayload>
0395	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0396	<Attribute>
0397	<AttributeName type="TextString" value="State"/>
0398	<AttributeValue type="Enumeration" value="Compromised"/>
0399	</Attribute>
0400	</ResponsePayload>
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0402	</ResponseMessage>
	# TIME 10
0403	<RequestMessage>
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0409	<BatchCount type="Integer" value="2"/>
0410	</RequestHeader>
0411	<BatchItem>
0412	<Operation type="Enumeration" value="AddAttribute"/>
0413	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0414	<RequestPayload>
0415	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0416	<Attribute>



0417	<AttributeName type="TextString" value="x-attribute1"/>
0418	<AttributeValue type="TextString" value="Value1"/>
0419	</Attribute>
0420	</RequestPayload>
0421	</BatchItem>
0422	<BatchItem>
0423	<Operation type="Enumeration" value="AddAttribute"/>
0424	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0425	<RequestPayload>
0426	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0427	<Attribute>
0428	<AttributeName type="TextString" value="x-attribute2"/>
0429	<AttributeValue type="TextString" value="Value2"/>
0430	</Attribute>
0431	</RequestPayload>
0432	</BatchItem>
0433	</RequestMessage>
0434	<ResponseMessage>
0435	<ResponseHeader>
0436	<ProtocolVersion>
0437	<ProtocolVersionMajor type="Integer" value="1"/>
0438	<ProtocolVersionMinor type="Integer" value="0"/>
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0440	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0441	<BatchCount type="Integer" value="2"/>
0442	</ResponseHeader>
0443	<BatchItem>
0444	<Operation type="Enumeration" value="AddAttribute"/>
0445	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0446	<ResultStatus type="Enumeration" value="Success"/>
0447	<ResponsePayload>
0448	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0449	<Attribute>
0450	<AttributeName type="TextString" value="x-attribute1"/>
0451	<AttributeValue type="TextString" value="Value1"/>
0452	</Attribute>
0453	</ResponsePayload>
0454	</BatchItem>
0455	<BatchItem>
0456	<Operation type="Enumeration" value="AddAttribute"/>
0457	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0458	<ResultStatus type="Enumeration" value="Success"/>
0459	<ResponsePayload>
0460	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0461	<Attribute>
0462	<AttributeName type="TextString" value="x-attribute2"/>
0463	<AttributeValue type="TextString" value="Value2"/>
0464	</Attribute>
0465	</ResponsePayload>
0466	</BatchItem>
0467	</ResponseMessage>
	# TIME 11
0468	<RequestMessage>
0469	<RequestHeader>
0470	<ProtocolVersion>

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0471     <ProtocolVersionMajor type="Integer" value="1"/>
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0474     <BatchCount type="Integer" value="2"/>
0475 </RequestHeader>
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0477     <Operation type="Enumeration" value="ModifyAttribute"/>
0478     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0479     <RequestPayload>
0480         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0481         <Attribute>
0482             <AttributeName type="TextString" value="x-attribute1"/>
0483             <AttributeValue type="TextString" value="ModifiedValue1"/>
0484         </Attribute>
0485     </RequestPayload>
0486 </BatchItem>
0487 <BatchItem>
0488     <Operation type="Enumeration" value="ModifyAttribute"/>
0489     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0490     <RequestPayload>
0491         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0492         <Attribute>
0493             <AttributeName type="TextString" value="x-attribute2"/>
0494             <AttributeValue type="TextString" value="ModifiedValue2"/>
0495         </Attribute>
0496     </RequestPayload>
0497 </BatchItem>
0498 </RequestMessage>
0499 <ResponseMessage>
0500     <ResponseHeader>
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0503             <ProtocolVersionMinor type="Integer" value="0"/>
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0506         <BatchCount type="Integer" value="2"/>
0507     </ResponseHeader>
0508     <BatchItem>
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0511         <ResultStatus type="Enumeration" value="Success"/>
0512         <ResponsePayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0514             <Attribute>
0515                 <AttributeName type="TextString" value="x-attribute1"/>
0516                 <AttributeValue type="TextString" value="ModifiedValue1"/>
0517             </Attribute>
0518         </ResponsePayload>
0519     </BatchItem>
0520     <BatchItem>
0521         <Operation type="Enumeration" value="ModifyAttribute"/>
0522         <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0523         <ResultStatus type="Enumeration" value="Success"/>
0524         <ResponsePayload>
0525             <UniqueIdentifier type="TextString"

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0526	value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
0528	<AttributeName type="TextString" value="x-attribute2"/>
0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
0533	# TIME 12
0534	<RequestMessage>
0535	<RequestHeader>
0536	<ProtocolVersion>
0537	<ProtocolVersionMajor type="Integer" value="1"/>
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0539	</ProtocolVersion>
0540	<BatchCount type="Integer" value="2"/>
0541	</RequestHeader>
0542	<BatchItem>
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0544	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545	<RequestPayload>
0546	<UniqueIdentifier type="TextString"
0547	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
0551	<BatchItem>
0552	<Operation type="Enumeration" value="DeleteAttribute"/>
0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0554	<RequestPayload>
0555	<UniqueIdentifier type="TextString"
0556	value="\$UNIQUE_IDENTIFIER_0"/>
0557	<AttributeName type="TextString" value="x-attribute2"/>
0558	</RequestPayload>
0559	</BatchItem>
0560	</RequestMessage>
0561	<ResponseMessage>
0562	<ResponseHeader>
0563	<ProtocolVersion>
0564	<ProtocolVersionMajor type="Integer" value="1"/>
0565	<ProtocolVersionMinor type="Integer" value="0"/>
0566	</ProtocolVersion>
0567	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0568	<BatchCount type="Integer" value="2"/>
0569	</ResponseHeader>
0570	<BatchItem>
0571	<Operation type="Enumeration" value="DeleteAttribute"/>
0572	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0573	<ResponseStatus type="Enumeration" value="Success"/>
0574	<ResponsePayload>
0575	<UniqueIdentifier type="TextString"
0576	value="\$UNIQUE_IDENTIFIER_0"/>
0577	<Attribute>
0578	<AttributeName type="TextString" value="x-attribute1"/>
	<AttributeValue type="TextString" value="ModifiedValue1"/>
	</Attribute>
	</ResponsePayload>
	</BatchItem>

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0579 <BatchItem>
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0581 <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582 <ResultStatus type="Enumeration" value="Success"/>
0583 <ResponsePayload>
0584 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0585 <Attribute>
0586 <AttributeName type="TextString" value="x-attribute2"/>
0587 <AttributeValue type="TextString" value="ModifiedValue2"/>
0588 </Attribute>
0589 </ResponsePayload>
0590 </BatchItem>
0591 </ResponseMessage>

# TIME 13
0592 <RequestMessage>
0593 <RequestHeader>
0594 <ProtocolVersion>
0595 <ProtocolVersionMajor type="Integer" value="1"/>
0596 <ProtocolVersionMinor type="Integer" value="0"/>
0597 </ProtocolVersion>
0598 <BatchCount type="Integer" value="1"/>
0599 </RequestHeader>
0600 <BatchItem>
0601 <Operation type="Enumeration" value="Get"/>
0602 <RequestPayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0604 </RequestPayload>
0605 </BatchItem>
0606 </RequestMessage>

0607 <ResponseMessage>
0608 <ResponseHeader>
0609 <ProtocolVersion>
0610 <ProtocolVersionMajor type="Integer" value="1"/>
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0612 </ProtocolVersion>
0613 <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614 <BatchCount type="Integer" value="1"/>
0615 </ResponseHeader>
0616 <BatchItem>
0617 <Operation type="Enumeration" value="Get"/>
0618 <ResultStatus type="Enumeration" value="Success"/>
0619 <ResponsePayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0622 <SymmetricKey>
0623 <KeyBlock>
0624 <KeyFormatType type="Enumeration" value="Raw"/>
0625 <KeyValue>
0626 <KeyMaterial type="ByteString"
value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0627 </KeyValue>
0628 <CryptographicAlgorithm type="Enumeration" value="AES"/>
0629 <CryptographicLength type="Integer" value="128"/>
0630 </KeyBlock>
0631 </SymmetricKey>

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0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
0635	<i># TIME 14</i>
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>
0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

156

### 157 3.3.2 SKFF-M-10-10

158 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
 159 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

	<i># TIME 0</i>
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
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0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>

0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-10-10"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="0"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0056	<RequestHeader>
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0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="0"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>

0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="0"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2 <RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
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0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
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0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>

0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
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	# TIME 3
0124	<RequestMessage>
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0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
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0147	<BatchCount type="Integer" value="1"/>
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0149	<BatchItem>
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0151	<ResultStatus type="Enumeration" value="Success"/>
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0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
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0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
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0171	<RequestPayload>



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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-10-10"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
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0191	</ProtocolVersion>
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0193	<BatchCount type="Integer" value="1"/>
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0195	<BatchItem>
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0197	<ResultStatus type="Enumeration" value="Success"/>
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0200	</ResponsePayload>
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0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
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0225	<BatchCount type="Integer" value="1"/>

0226	</ResponseHeader>
0227	<BatchItem>
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0229	<ResultStatus type="Enumeration" value="Success"/>
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0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
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0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="192"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
0246	# TIME 6 <RequestMessage>
0247	<RequestHeader>
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0251	</ProtocolVersion>
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0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01- 01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
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0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
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0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>

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0279	value="\$UNIQUE_IDENTIFIER_0"/>
0280	</ResponsePayload>
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0282	</ResponseMessage>
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0283	<RequestMessage>
0284	<RequestHeader>
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0288	</ProtocolVersion>
0289	<BatchCount type="Integer" value="1"/>
0290	</RequestHeader>
0291	<BatchItem>
0292	<Operation type="Enumeration" value="GetAttributes"/>
0293	<RequestPayload>
0294	<UniqueIdentifier type="TextString"
0295	value="\$UNIQUE_IDENTIFIER_0"/>
0296	<AttributeName type="TextString" value="State"/>
0297	</RequestPayload>
0298	</BatchItem>
0299	</RequestMessage>
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0307	<BatchCount type="Integer" value="1"/>
0308	</ResponseHeader>
0309	<BatchItem>
0310	<Operation type="Enumeration" value="GetAttributes"/>
0311	<ResultStatus type="Enumeration" value="Success"/>
0312	<ResponsePayload>
0313	<UniqueIdentifier type="TextString"
0314	value="\$UNIQUE_IDENTIFIER_0"/>
0315	<Attribute>
0316	<AttributeName type="TextString" value="State"/>
0317	<AttributeValue type="Enumeration" value="Compromised"/>
0318	</Attribute>
0319	</ResponsePayload>
0320	</BatchItem>
0321	</ResponseMessage>
0322	# TIME 8
0323	<RequestMessage>
0324	<RequestHeader>
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0326	<ProtocolVersionMajor type="Integer" value="1"/>
0327	<ProtocolVersionMinor type="Integer" value="0"/>
0328	</ProtocolVersion>
0329	<BatchCount type="Integer" value="1"/>
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0331	<BatchItem>
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0334	<UniqueIdentifier type="TextString"

0331	value="\$UNIQUE_IDENTIFIER_0"/>
0332	</RequestPayload>
0333	</BatchItem>
0334	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
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0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="0"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
0363	</ResponsePayload>
0364	</BatchItem>
0365	</ResponseMessage>
0366	# TIME 9
0366	<RequestMessage>
0367	<RequestHeader>
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0369	<ProtocolVersionMajor type="Integer" value="1"/>
0370	<ProtocolVersionMinor type="Integer" value="0"/>
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0372	<BatchCount type="Integer" value="1"/>
0373	</RequestHeader>
0374	<BatchItem>
0375	<Operation type="Enumeration" value="GetAttributes"/>
0376	<RequestPayload>
0377	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0378	<AttributeName type="TextString" value="State"/>
0379	</RequestPayload>
0380	</BatchItem>

0381	</RequestMessage>
0382	<ResponseMessage>
0383	<ResponseHeader>
0384	<ProtocolVersion>
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0386	<ProtocolVersionMinor type="Integer" value="0"/>
0387	</ProtocolVersion>
0388	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0389	<BatchCount type="Integer" value="1"/>
0390	</ResponseHeader>
0391	<BatchItem>
0392	<Operation type="Enumeration" value="GetAttributes"/>
0393	<ResultStatus type="Enumeration" value="Success"/>
0394	<ResponsePayload>
0395	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0396	<Attribute>
0397	<AttributeName type="TextString" value="State"/>
0398	<AttributeValue type="Enumeration" value="Compromised"/>
0399	</Attribute>
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0401	</BatchItem>
0402	</ResponseMessage>
	<i># TIME 10</i>
0403	<RequestMessage>
0404	<RequestHeader>
0405	<ProtocolVersion>
0406	<ProtocolVersionMajor type="Integer" value="1"/>
0407	<ProtocolVersionMinor type="Integer" value="0"/>
0408	</ProtocolVersion>
0409	<BatchCount type="Integer" value="2"/>
0410	</RequestHeader>
0411	<BatchItem>
0412	<Operation type="Enumeration" value="AddAttribute"/>
0413	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0414	<RequestPayload>
0415	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0416	<Attribute>
0417	<AttributeName type="TextString" value="x-attribute1"/>
0418	<AttributeValue type="TextString" value="Value1"/>
0419	</Attribute>
0420	</RequestPayload>
0421	</BatchItem>
0422	<BatchItem>
0423	<Operation type="Enumeration" value="AddAttribute"/>
0424	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0425	<RequestPayload>
0426	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0427	<Attribute>
0428	<AttributeName type="TextString" value="x-attribute2"/>
0429	<AttributeValue type="TextString" value="Value2"/>
0430	</Attribute>
0431	</RequestPayload>
0432	</BatchItem>
0433	</RequestMessage>
0434	<ResponseMessage>

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0435 <ResponseHeader>
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0437     <ProtocolVersionMajor type="Integer" value="1"/>
0438     <ProtocolVersionMinor type="Integer" value="0"/>
0439   </ProtocolVersion>
0440   <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0441   <BatchCount type="Integer" value="2"/>
0442 </ResponseHeader>
0443 <BatchItem>
0444   <Operation type="Enumeration" value="AddAttribute"/>
0445   <UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0446   <ResultStatus type="Enumeration" value="Success"/>
0447   <ResponsePayload>
0448     <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0449     <Attribute>
0450       <AttributeName type="TextString" value="x-attribute1"/>
0451       <AttributeValue type="TextString" value="Value1"/>
0452     </Attribute>
0453   </ResponsePayload>
0454 </BatchItem>
0455 <BatchItem>
0456   <Operation type="Enumeration" value="AddAttribute"/>
0457   <UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0458   <ResultStatus type="Enumeration" value="Success"/>
0459   <ResponsePayload>
0460     <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0461     <Attribute>
0462       <AttributeName type="TextString" value="x-attribute2"/>
0463       <AttributeValue type="TextString" value="Value2"/>
0464     </Attribute>
0465   </ResponsePayload>
0466 </BatchItem>
0467 </ResponseMessage>

# TIME 11
0468 <RequestMessage>
0469   <RequestHeader>
0470     <ProtocolVersion>
0471       <ProtocolVersionMajor type="Integer" value="1"/>
0472       <ProtocolVersionMinor type="Integer" value="0"/>
0473     </ProtocolVersion>
0474     <BatchCount type="Integer" value="2"/>
0475   </RequestHeader>
0476   <BatchItem>
0477     <Operation type="Enumeration" value="ModifyAttribute"/>
0478     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0479     <RequestPayload>
0480       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0481       <Attribute>
0482         <AttributeName type="TextString" value="x-attribute1"/>
0483         <AttributeValue type="TextString" value="ModifiedValue1"/>
0484       </Attribute>
0485     </RequestPayload>
0486   </BatchItem>
0487   <BatchItem>
0488     <Operation type="Enumeration" value="ModifyAttribute"/>

```

0489	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0490	<RequestPayload>
0491	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0492	<Attribute>
0493	<AttributeName type="TextString" value="x-attribute2"/>
0494	<AttributeValue type="TextString" value="ModifiedValue2"/>
0495	</Attribute>
0496	</RequestPayload>
0497	</BatchItem>
0498	</RequestMessage>
0499	<ResponseMessage>
0500	<ResponseHeader>
0501	<ProtocolVersion>
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0503	<ProtocolVersionMinor type="Integer" value="0"/>
0504	</ProtocolVersion>
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0506	<BatchCount type="Integer" value="2"/>
0507	</ResponseHeader>
0508	<BatchItem>
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0510	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0511	<ResultStatus type="Enumeration" value="Success"/>
0512	<ResponsePayload>
0513	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0514	<Attribute>
0515	<AttributeName type="TextString" value="x-attribute1"/>
0516	<AttributeValue type="TextString" value="ModifiedValue1"/>
0517	</Attribute>
0518	</ResponsePayload>
0519	</BatchItem>
0520	<BatchItem>
0521	<Operation type="Enumeration" value="ModifyAttribute"/>
0522	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0523	<ResultStatus type="Enumeration" value="Success"/>
0524	<ResponsePayload>
0525	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0526	<Attribute>
0527	<AttributeName type="TextString" value="x-attribute2"/>
0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
0529	</Attribute>
0530	</ResponsePayload>
0531	</BatchItem>
0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
0534	<RequestHeader>
0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
0537	<ProtocolVersionMinor type="Integer" value="0"/>
0538	</ProtocolVersion>
0539	<BatchCount type="Integer" value="2"/>
0540	</RequestHeader>
0541	<BatchItem>
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0543	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544	<RequestPayload>
0545	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0546	<AttributeName type="TextString" value="x-attribute1"/>
0547	</RequestPayload>
0548	</BatchItem>
0549	<BatchItem>
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0551	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552	<RequestPayload>
0553	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
0557	</RequestMessage>
0558	<ResponseMessage>
0559	<ResponseHeader>
0560	<ProtocolVersion>
0561	<ProtocolVersionMajor type="Integer" value="1"/>
0562	<ProtocolVersionMinor type="Integer" value="0"/>
0563	</ProtocolVersion>
0564	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565	<BatchCount type="Integer" value="2"/>
0566	</ResponseHeader>
0567	<BatchItem>
0568	<Operation type="Enumeration" value="DeleteAttribute"/>
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0570	<ResultStatus type="Enumeration" value="Success"/>
0571	<ResponsePayload>
0572	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0573	<Attribute>
0574	<AttributeName type="TextString" value="x-attribute1"/>
0575	<AttributeValue type="TextString" value="ModifiedValue1"/>
0576	</Attribute>
0577	</ResponsePayload>
0578	</BatchItem>
0579	<BatchItem>
0580	<Operation type="Enumeration" value="DeleteAttribute"/>
0581	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582	<ResultStatus type="Enumeration" value="Success"/>
0583	<ResponsePayload>
0584	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0585	<Attribute>
0586	<AttributeName type="TextString" value="x-attribute2"/>
0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
0588	</Attribute>
0589	</ResponsePayload>
0590	</BatchItem>
0591	</ResponseMessage>
	# TIME 13
0592	<RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>



0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>
0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString"
	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0629	<CryptographicLength type="Integer" value="192"/>
0630	</KeyBlock>
0631	</SymmetricKey>
0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
0635	# TIME 14
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>

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0649 </RequestMessage>
0650 <ResponseMessage>
0651   <ResponseHeader>
0652     <ProtocolVersion>
0653       <ProtocolVersionMajor type="Integer" value="1"/>
0654       <ProtocolVersionMinor type="Integer" value="0"/>
0655     </ProtocolVersion>
0656     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657     <BatchCount type="Integer" value="1"/>
0658   </ResponseHeader>
0659   <BatchItem>
0660     <Operation type="Enumeration" value="Destroy"/>
0661     <ResultStatus type="Enumeration" value="Success"/>
0662     <ResponsePayload>
0663       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0664     </ResponsePayload>
0665   </BatchItem>
0666 </ResponseMessage>

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### 161 3.3.3 SKFF-M-11-10

162 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
163 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
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0005       <ProtocolVersionMinor type="Integer" value="0"/>
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0013       <TemplateAttribute>
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Algorithm"/>
0016           <AttributeValue type="Enumeration" value="AES"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="256"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-M-11-10"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>

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0029	<Attribute>
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0031	<AttributeValue type="Integer" value="Encrypt"/>
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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
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0237	<KeyBlock>
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0242	</KeyValue>
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0244	<CryptographicLength type="Integer" value="256"/>
0245	</KeyBlock>

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0243	</ResponsePayload>
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0245	</ResponseMessage>
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0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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0279	</ResponsePayload>
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	# TIME 7
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0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
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0319	<RequestMessage>
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0351	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0352	<AttributeName type="TextString" value="Cryptographic Length"/>
0353	<AttributeName type="TextString" value="Activation Date"/>
0354	<AttributeName type="TextString" value="Compromise Date"/>
0355	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0356	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0357	<AttributeName type="TextString" value="Digest"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
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0363	<AttributeName type="TextString" value="State"/>
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0366	</ResponseMessage>
0366	# TIME 9
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0394	<ResultStatus type="Enumeration" value="Success"/>
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0443	<BatchItem>
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0447	<ResponsePayload>
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0451	<AttributeValue type="TextString" value="Value1"/>

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0463             <AttributeValue type="TextString" value="Value2"/>
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# TIME 11
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0515	<AttributeName type="TextString" value="x-attribute1"/>
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	<i># TIME 12</i>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
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0614	<BatchCount type="Integer" value="1"/>
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0618	<ResultStatus type="Enumeration" value="Success"/>
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0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString" value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0629	<CryptographicLength type="Integer" value="256"/>
0630	</KeyBlock>
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0632	</ResponsePayload>
0633	</BatchItem>
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0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>

0665	</BatchItem>
0666	</ResponseMessage>

164

165 **3.3.4 SKFF-M-12-10**

166 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
 167 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

```

# TIME 0
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0003     <ProtocolVersion>
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0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="DES3"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="168"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-M-12-10"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>
0032         </Attribute>
0033       </TemplateAttribute>
0034     </RequestPayload>
0035   </BatchItem>
0036 </RequestMessage>
0037 <ResponseMessage>
0038   <ResponseHeader>
0039     <ProtocolVersion>
0040       <ProtocolVersionMajor type="Integer" value="1"/>
0041       <ProtocolVersionMinor type="Integer" value="0"/>
0042     </ProtocolVersion>
0043     <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044     <BatchCount type="Integer" value="1"/>

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0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
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0067	<AttributeName type="TextString" value="State"/>
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0069	</BatchItem>
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0071	<ResponseMessage>
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0086	<AttributeName type="TextString" value="State"/>
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	# TIME 2
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0097	</ProtocolVersion>



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0121	</ResponsePayload>
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0134	<Operation type="Enumeration" value="GetAttributes"/>
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0137	</RequestPayload>
0138	</BatchItem>
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0150	<Operation type="Enumeration" value="GetAttributes"/>
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0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0158	</ResponsePayload>
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0160	</ResponseMessage>
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0168	</RequestHeader>
0169	<BatchItem>
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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-12-10"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
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0182	</Attribute>
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0186	<ResponseMessage>
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0193	<BatchCount type="Integer" value="1"/>
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0195	<BatchItem>
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0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
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0225	<BatchCount type="Integer" value="1"/>
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0227	<BatchItem>
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0229	<ResultStatus type="Enumeration" value="Success"/>
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0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
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	value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="168"/>
0241	</KeyBlock>
0242	</SymmetricKey>
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0258	<RevocationReason>
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0263	</BatchItem>
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0265	<ResponseMessage>
0266	<ResponseHeader>
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0272	<BatchCount type="Integer" value="1"/>
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0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
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0289	</RequestHeader>
0290	<BatchItem>
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0292	<RequestPayload>
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0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
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0298	<ResponseMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
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0331	</RequestPayload>
0332	</BatchItem>
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0344	<Operation type="Enumeration" value="GetAttributeList"/>
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0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>

0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
0363	</ResponsePayload>
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0365	</ResponseMessage>
	# TIME 9
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0389	<BatchCount type="Integer" value="1"/>
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0392	<Operation type="Enumeration" value="GetAttributes"/>
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0394	<ResponsePayload>
0395	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0396	<Attribute>
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0398	<AttributeValue type="Enumeration" value="Compromised"/>
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0441	<BatchCount type="Integer" value="2"/>
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0451	<AttributeValue type="TextString" value="Value1"/>
0452	</Attribute>
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0461	<Attribute>
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0463	<AttributeValue type="TextString" value="Value2"/>
0464	</Attribute>
0465	</ResponsePayload>
0466	</BatchItem>
0467	</ResponseMessage>
	# TIME 11

```

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0475   </RequestHeader>
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0481 value="$UNIQUE_IDENTIFIER_0"/>
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0493 value="$UNIQUE_IDENTIFIER_0"/>
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0518         <AttributeName type="TextString" value="x-attribute1"/>
0519         <AttributeValue type="TextString" value="ModifiedValue1"/>
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0523   <BatchItem>
0524     <Operation type="Enumeration" value="ModifyAttribute"/>
0525     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>

```



0523	<ResponseStatus type="Enumeration" value="Success"/>
0524	<ResponsePayload>
0525	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0526	<Attribute>
0527	<AttributeName type="TextString" value="x-attribute2"/>
0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
0529	</Attribute>
0530	</ResponsePayload>
0531	</BatchItem>
0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
0534	<RequestHeader>
0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
0537	<ProtocolVersionMinor type="Integer" value="0"/>
0538	</ProtocolVersion>
0539	<BatchCount type="Integer" value="2"/>
0540	</RequestHeader>
0541	<BatchItem>
0542	<Operation type="Enumeration" value="DeleteAttribute"/>
0543	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544	<RequestPayload>
0545	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0546	<AttributeName type="TextString" value="x-attribute1"/>
0547	</RequestPayload>
0548	</BatchItem>
0549	<BatchItem>
0550	<Operation type="Enumeration" value="DeleteAttribute"/>
0551	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552	<RequestPayload>
0553	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
0557	</RequestMessage>
0558	<ResponseMessage>
0559	<ResponseHeader>
0560	<ProtocolVersion>
0561	<ProtocolVersionMajor type="Integer" value="1"/>
0562	<ProtocolVersionMinor type="Integer" value="0"/>
0563	</ProtocolVersion>
0564	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565	<BatchCount type="Integer" value="2"/>
0566	</ResponseHeader>
0567	<BatchItem>
0568	<Operation type="Enumeration" value="DeleteAttribute"/>
0569	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0570	<ResponseStatus type="Enumeration" value="Success"/>
0571	<ResponsePayload>
0572	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0573	<Attribute>
0574	<AttributeName type="TextString" value="x-attribute1"/>
0575	<AttributeValue type="TextString" value="ModifiedValue1"/>

0576	</Attribute>
0577	</ResponsePayload>
0578	</BatchItem>
0579	<BatchItem>
0580	<Operation type="Enumeration" value="DeleteAttribute"/>
0581	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582	<ResultStatus type="Enumeration" value="Success"/>
0583	<ResponsePayload>
0584	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0585	<Attribute>
0586	<AttributeName type="TextString" value="x-attribute2"/>
0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
0588	</Attribute>
0589	</ResponsePayload>
0590	</BatchItem>
0591	</ResponseMessage>
0592	# TIME 13 <RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>
0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>
0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
0603	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString" value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration" value="DES3"/>

0629	<CryptographicLength type="Integer" value="168"/>
0630	</KeyBlock>
0631	</SymmetricKey>
0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
# TIME 14	
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>
0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

168

## 169 3.4 Mandatory Test Cases KMIP v1.1 - Basic

### 170 3.4.1 SKFF-M-1-11

171 Create, Destroy AES-128

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>

0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>

0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

172

### 173 3.4.2 SKFF-M-2-11

174 Create, Destroy AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>

0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	<i># TIME 1</i>
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

176 **3.4.3 SKFF-M-3-11**

177 **Create, Destroy AES-256**

0001	# TIME 0
0002	<RequestMessage>
0003	<RequestHeader>
0004	<ProtocolVersion>
0005	<ProtocolVersionMajor type="Integer" value="1"/>
0006	<ProtocolVersionMinor type="Integer" value="1"/>
0007	</ProtocolVersion>
0008	<BatchCount type="Integer" value="1"/>
0009	</RequestHeader>
0010	<BatchItem>
0011	<Operation type="Enumeration" value="Create"/>
0012	<RequestPayload>
0013	<ObjectType type="Enumeration" value="SymmetricKey"/>
0014	<TemplateAttribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
0020	Length"/>
0021	<AttributeValue type="Integer" value="256"/>
0022	</Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
0024	Usage Mask"/>
0025	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0026	</Attribute>
0027	</TemplateAttribute>
0028	</RequestPayload>
0029	</BatchItem>
0030	</RequestMessage>
0031	<ResponseMessage>
0032	<ResponseHeader>
0033	<ProtocolVersion>
0034	<ProtocolVersionMajor type="Integer" value="1"/>
0035	<ProtocolVersionMinor type="Integer" value="1"/>
0036	</ProtocolVersion>
0037	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0038	<BatchCount type="Integer" value="1"/>
0039	</ResponseHeader>
0040	<BatchItem>
0041	<Operation type="Enumeration" value="Create"/>
0042	<ResultStatus type="Enumeration" value="Success"/>
0043	<ResponsePayload>
0044	<ObjectType type="Enumeration" value="SymmetricKey"/>
0045	<UniqueIdentifier type="TextString"
0046	value="\$UNIQUE_IDENTIFIER_0"/>
0047	</ResponsePayload>
0048	</BatchItem>
0049	</ResponseMessage>
0048	# TIME 1
0049	<RequestMessage>
	<RequestHeader>

0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
0078	</ResponsePayload>
0079	</BatchItem>
0079	</ResponseMessage>

178

### 179 3.4.4 SKFF-M-4-11

180 Create, Destroy DES3-168

0001	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0018	</Attribute>



0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="168"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	<i># TIME 1</i> <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>

```

0072 <BatchItem>
0073 <Operation type="Enumeration" value="Destroy"/>
0074 <ResultStatus type="Enumeration" value="Success"/>
0075 <ResponsePayload>
0076 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0077 </ResponsePayload>
0078 </BatchItem>
0079 </ResponseMessage>

```

## 181 3.5 Mandatory Test Cases KMIP v1.1 - Intermediate

### 182 3.5.1 SKFF-M-5-11

#### 183 Create, Locate, Get, Destroy, Locate AES-128

```

# TIME 0
0001 <RequestMessage>
0002 <RequestHeader>
0003 <ProtocolVersion>
0004 <ProtocolVersionMajor type="Integer" value="1"/>
0005 <ProtocolVersionMinor type="Integer" value="1"/>
0006 </ProtocolVersion>
0007 <BatchCount type="Integer" value="1"/>
0008 </RequestHeader>
0009 <BatchItem>
0010 <Operation type="Enumeration" value="Create"/>
0011 <RequestPayload>
0012 <ObjectType type="Enumeration" value="SymmetricKey"/>
0013 <TemplateAttribute>
0014 <Attribute>
0015 <AttributeName type="TextString" value="Name"/>
0016 <AttributeValue>
0017 <NameValue type="TextString" value="SKFF-M-5-11"/>
0018 <NameType type="Enumeration"
value="UninterpretedTextString"/>
0019 </AttributeValue>
0020 </Attribute>
0021 <Attribute>
0022 <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0023 <AttributeValue type="Enumeration" value="AES"/>
0024 </Attribute>
0025 <Attribute>
0026 <AttributeName type="TextString" value="Cryptographic
Length"/>
0027 <AttributeValue type="Integer" value="128"/>
0028 </Attribute>
0029 <Attribute>
0030 <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031 <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032 </Attribute>
0033 <Attribute>
0034 <AttributeName type="TextString" value="Contact
Information"/>
0035 <AttributeValue type="TextString" value="Joe"/>
0036 </Attribute>

```

0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-5-11"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>

0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ff52f70583d7321722c6d4e5e4605071"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="128"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3

0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>

```

0198     <ProtocolVersionMinor type="Integer" value="1"/>
0199     </ProtocolVersion>
0200     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201     <BatchCount type="Integer" value="1"/>
0202     </ResponseHeader>
0203     <BatchItem>
0204         <Operation type="Enumeration" value="Locate"/>
0205         <ResultStatus type="Enumeration" value="Success"/>
0206         <ResponsePayload>
0207         </ResponsePayload>
0208     </BatchItem>
0209 </ResponseMessage>

```

184

185 **3.5.2 SKFF-M-6-11**

186 Create, Locate, Get, Destroy, Locate AES-192

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="1"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-M-6-11"/>
0018             <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0019           </AttributeValue>
0020           </Attribute>
0021         <Attribute>
0022           <AttributeName type="TextString" value="Cryptographic
0023 Algorithm"/>
0023           <AttributeValue type="Enumeration" value="AES"/>
0024           </Attribute>
0025         <Attribute>
0026           <AttributeName type="TextString" value="Cryptographic
0027 Length"/>
0027           <AttributeValue type="Integer" value="192"/>
0028           </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
0031 Usage Mask"/>
0031           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032           </Attribute>
0033         <Attribute>
0034           <AttributeName type="TextString" value="Contact
0034 Information"/>

```

0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="1"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
0073	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0074	</Attribute>
0075	<Attribute>
0076	<AttributeName type="TextString" value="Name"/>
0077	<AttributeValue>
0078	<NameValue type="TextString" value="SKFF-M-6-11"/>
	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>

0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ae2443611895beb460237aa0a86e1d097d77e33307a8aaff"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="192"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>



0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>

```

0196     <ProtocolVersion>
0197         <ProtocolVersionMajor type="Integer" value="1"/>
0198         <ProtocolVersionMinor type="Integer" value="1"/>
0199     </ProtocolVersion>
0200     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201     <BatchCount type="Integer" value="1"/>
0202 </ResponseHeader>
0203 <BatchItem>
0204     <Operation type="Enumeration" value="Locate"/>
0205     <ResultStatus type="Enumeration" value="Success"/>
0206     <ResponsePayload>
0207 </ResponsePayload>
0208 </BatchItem>
0209 </ResponseMessage>

```

187

### 188 3.5.3 SKFF-M-7-11

189 Create, Locate, Get, Destroy, Locate AES-256

```

# TIME 0
0001 <RequestMessage>
0002     <RequestHeader>
0003         <ProtocolVersion>
0004             <ProtocolVersionMajor type="Integer" value="1"/>
0005             <ProtocolVersionMinor type="Integer" value="1"/>
0006         </ProtocolVersion>
0007         <BatchCount type="Integer" value="1"/>
0008     </RequestHeader>
0009     <BatchItem>
0010         <Operation type="Enumeration" value="Create"/>
0011         <RequestPayload>
0012             <ObjectType type="Enumeration" value="SymmetricKey"/>
0013             <TemplateAttribute>
0014                 <Attribute>
0015                     <AttributeName type="TextString" value="Name"/>
0016                     <AttributeValue>
0017                         <NameValue type="TextString" value="SKFF-M-7-11"/>
0018                         <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0019                     </AttributeValue>
0020                 </Attribute>
0021                 <Attribute>
0022                     <AttributeName type="TextString" value="Cryptographic
0023 Algorithm"/>
0024                     <AttributeValue type="Enumeration" value="AES"/>
0025                 </Attribute>
0026                 <Attribute>
0027                     <AttributeName type="TextString" value="Cryptographic
0028 Length"/>
0029                     <AttributeValue type="Integer" value="256"/>
0030                 </Attribute>
0031                 <Attribute>
0032                     <AttributeName type="TextString" value="Cryptographic
0033 Usage Mask"/>
0034                     <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0035                 </Attribute>
0036             </TemplateAttribute>
0037         </RequestPayload>
0038     </BatchItem>
0039 </RequestMessage>

```

0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-11"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>

0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
0100	</ResponseMessage>
	<i># TIME 2</i>
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
0113	value="\$UNIQUE_IDENTIFIER_0"/>
0114	</RequestPayload>
0115	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
0131	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
0135	value="f88b2ddae98a018dc3b73df2b06895e548af3e1f93d66e40ea807b9078de0b18"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="256"/>
0139	</KeyBlock>

0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>

```

0193 </RequestMessage>
0194 <ResponseMessage>
0195   <ResponseHeader>
0196     <ProtocolVersion>
0197       <ProtocolVersionMajor type="Integer" value="1"/>
0198       <ProtocolVersionMinor type="Integer" value="1"/>
0199     </ProtocolVersion>
0200     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201     <BatchCount type="Integer" value="1"/>
0202   </ResponseHeader>
0203   <BatchItem>
0204     <Operation type="Enumeration" value="Locate"/>
0205     <ResultStatus type="Enumeration" value="Success"/>
0206     <ResponsePayload>
0207     </ResponsePayload>
0208   </BatchItem>
0209 </ResponseMessage>

```

190

### 191 3.5.4 SKFF-M-8-11

192 Create, Locate, Get, Destroy, Locate DES3-168

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="1"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-M-8-11"/>
0018             <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0019           </AttributeValue>
0020         </Attribute>
0021         <Attribute>
0022           <AttributeName type="TextString" value="Cryptographic
0023 Algorithm"/>
0023           <AttributeValue type="Enumeration" value="DES3"/>
0024         </Attribute>
0025         <Attribute>
0026           <AttributeName type="TextString" value="Cryptographic
0027 Length"/>
0027           <AttributeValue type="Integer" value="168"/>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
0030 Usage Mask"/>

```

0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	<i># TIME 1</i> <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-8-11"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>

```

0085 <ResponseHeader>
0086   <ProtocolVersion>
0087     <ProtocolVersionMajor type="Integer" value="1"/>
0088     <ProtocolVersionMinor type="Integer" value="1"/>
0089   </ProtocolVersion>
0090   <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091   <BatchCount type="Integer" value="1"/>
0092 </ResponseHeader>
0093 <BatchItem>
0094   <Operation type="Enumeration" value="Locate"/>
0095   <ResultStatus type="Enumeration" value="Success"/>
0096   <ResponsePayload>
0097     <UniqueIdentifier type="TextString"
0098     value="$UNIQUE_IDENTIFIER_0"/>
0099   </ResponsePayload>
0100 </BatchItem>
</ResponseMessage>

# TIME 2
0101 <RequestMessage>
0102   <RequestHeader>
0103     <ProtocolVersion>
0104       <ProtocolVersionMajor type="Integer" value="1"/>
0105       <ProtocolVersionMinor type="Integer" value="1"/>
0106     </ProtocolVersion>
0107     <BatchCount type="Integer" value="1"/>
0108   </RequestHeader>
0109   <BatchItem>
0110     <Operation type="Enumeration" value="Get"/>
0111     <RequestPayload>
0112       <UniqueIdentifier type="TextString"
0113       value="$UNIQUE_IDENTIFIER_0"/>
0114     </RequestPayload>
0115   </BatchItem>
</RequestMessage>

0116 <ResponseMessage>
0117   <ResponseHeader>
0118     <ProtocolVersion>
0119       <ProtocolVersionMajor type="Integer" value="1"/>
0120       <ProtocolVersionMinor type="Integer" value="1"/>
0121     </ProtocolVersion>
0122     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123     <BatchCount type="Integer" value="1"/>
0124   </ResponseHeader>
0125   <BatchItem>
0126     <Operation type="Enumeration" value="Get"/>
0127     <ResultStatus type="Enumeration" value="Success"/>
0128     <ResponsePayload>
0129       <ObjectType type="Enumeration" value="SymmetricKey"/>
0130       <UniqueIdentifier type="TextString"
0131       value="$UNIQUE_IDENTIFIER_0"/>
0132       <SymmetricKey>
0133         <KeyBlock>
0134           <KeyFormatType type="Enumeration" value="Raw"/>
0135           <KeyValue>
0136             <KeyMaterial type="ByteString"
0137             value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0138           </KeyValue>
0139         </KeyBlock>
0140       </SymmetricKey>
0141     </ResponsePayload>
0142   </BatchItem>
</ResponseMessage>

```



0138	<CryptographicLength type="Integer" value="168"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
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0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
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0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
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0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
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0176	<RequestMessage>
0177	<RequestHeader>
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0180	<ProtocolVersionMinor type="Integer" value="1"/>
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0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
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0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>

0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
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0198	<ProtocolVersionMinor type="Integer" value="1"/>
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0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

193

## 194 3.6 Mandatory Test Cases KMIP v1.1 - Advanced

### 195 3.6.1 SKFF-M-9-11

196 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-9-11"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>

0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
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0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
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0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
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0066	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
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0071	<ResponseMessage>
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0076	</ProtocolVersion>
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0078	<BatchCount type="Integer" value="1"/>
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0082	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0091	</ResponseMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="1"/>
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0114	<BatchCount type="Integer" value="1"/>
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0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
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0127	<ProtocolVersionMajor type="Integer" value="1"/>
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0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
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0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
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0147	<BatchCount type="Integer" value="1"/>
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0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
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0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	<i># TIME 4</i>
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
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0169	<BatchItem>
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0171	<RequestPayload>
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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-11"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
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0191	</ProtocolVersion>
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0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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	# TIME 5
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0217	</RequestMessage>
0218	<ResponseMessage>
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0220	<ProtocolVersion>
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0222	<ProtocolVersionMinor type="Integer" value="1"/>
0223	</ProtocolVersion>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
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0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="128"/>
0241	</KeyBlock>

0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
# TIME 6	
0246	<RequestMessage>
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0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
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0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="1"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
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0279	</ResponsePayload>
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0294	value="\$UNIQUE_IDENTIFIER_0"/>
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0296	</RequestPayload>
0297	</BatchItem>
0298	</RequestMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8
0319	<RequestMessage>
0320	<RequestHeader>
0321	<ProtocolVersion>
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0323	<ProtocolVersionMinor type="Integer" value="1"/>
0324	</ProtocolVersion>
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0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>
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0341	<BatchCount type="Integer" value="1"/>
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0348	value="\$UNIQUE_IDENTIFIER_0"/>
0349	<AttributeName type="TextString" value="Unique Identifier"/>
0350	<AttributeName type="TextString" value="Object Type"/>
0351	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0352	<AttributeName type="TextString" value="Cryptographic Length"/>
0353	<AttributeName type="TextString" value="Activation Date"/>
0354	<AttributeName type="TextString" value="Compromise Date"/>
0355	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0356	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0357	<AttributeName type="TextString" value="Digest"/>
0358	<AttributeName type="TextString" value="Fresh"/>
0359	<AttributeName type="TextString" value="Initial Date"/>
0360	<AttributeName type="TextString" value="Last Change Date"/>
0361	<AttributeName type="TextString" value="Lease Time"/>
0362	<AttributeName type="TextString" value="Name"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
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0366	</BatchItem>
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0368	# TIME 9
0369	<RequestMessage>
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0381	<AttributeName type="TextString" value="State"/>
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0392	<BatchCount type="Integer" value="1"/>
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0395	<Operation type="Enumeration" value="GetAttributes"/>
0396	<ResultStatus type="Enumeration" value="Success"/>
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0399	<AttributeValue type="Enumeration" value="Compromised"/>
0400	</Attribute>
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0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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0419	<AttributeValue type="TextString" value="Value1"/>
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0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
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0442	<BatchCount type="Integer" value="2"/>
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0448	<ResponsePayload>
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0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>

0452	<AttributeValue type="TextString" value="Value1"/>
0453	</Attribute>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0462	<Attribute>
0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
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0466	</ResponsePayload>
0467	</BatchItem>
0468	</ResponseMessage>
	# TIME 11
0469	<RequestMessage>
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0473	<ProtocolVersionMinor type="Integer" value="1"/>
0474	</ProtocolVersion>
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0476	</RequestHeader>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0484	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0486	</RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0494	<AttributeName type="TextString" value="x-attribute2"/>
0495	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0511     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0512     <ResultStatus type="Enumeration" value="Success"/>
0513     <ResponsePayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0515         <Attribute>
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0517             <AttributeValue type="TextString" value="ModifiedValue1"/>
0518         </Attribute>
0519     </ResponsePayload>
0520 </BatchItem>
0521 <BatchItem>
0522     <Operation type="Enumeration" value="ModifyAttribute"/>
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0524     <ResultStatus type="Enumeration" value="Success"/>
0525     <ResponsePayload>
0526         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0527         <Attribute>
0528             <AttributeName type="TextString" value="x-attribute2"/>
0529             <AttributeValue type="TextString" value="ModifiedValue2"/>
0530         </Attribute>
0531     </ResponsePayload>
0532 </BatchItem>
0533 </ResponseMessage>
# TIME 12
0534 <RequestMessage>
0535 <RequestHeader>
0536     <ProtocolVersion>
0537         <ProtocolVersionMajor type="Integer" value="1"/>
0538         <ProtocolVersionMinor type="Integer" value="1"/>
0539     </ProtocolVersion>
0540     <BatchCount type="Integer" value="2"/>
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0542 <BatchItem>
0543     <Operation type="Enumeration" value="DeleteAttribute"/>
0544     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545     <RequestPayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0547         <AttributeName type="TextString" value="x-attribute1"/>
0548     </RequestPayload>
0549 </BatchItem>
0550 <BatchItem>
0551     <Operation type="Enumeration" value="DeleteAttribute"/>
0552     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0553     <RequestPayload>
0554         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0555         <AttributeName type="TextString" value="x-attribute2"/>
0556     </RequestPayload>
0557 </BatchItem>
0558 </RequestMessage>

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0559 <ResponseMessage>
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0564     </ProtocolVersion>
0565     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0566     <BatchCount type="Integer" value="2"/>
0567   </ResponseHeader>
0568   <BatchItem>
0569     <Operation type="Enumeration" value="DeleteAttribute"/>
0570     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571     <ResultStatus type="Enumeration" value="Success"/>
0572     <ResponsePayload>
0573       <UniqueIdentifier type="TextString"
0574 value="$UNIQUE_IDENTIFIER_0"/>
0575       <Attribute>
0576         <AttributeName type="TextString" value="x-attribute1"/>
0577         <AttributeValue type="TextString" value="ModifiedValue1"/>
0578       </Attribute>
0579     </ResponsePayload>
0580   </BatchItem>
0581   <BatchItem>
0582     <Operation type="Enumeration" value="DeleteAttribute"/>
0583     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584     <ResultStatus type="Enumeration" value="Success"/>
0585     <ResponsePayload>
0586       <UniqueIdentifier type="TextString"
0587 value="$UNIQUE_IDENTIFIER_0"/>
0588       <Attribute>
0589         <AttributeName type="TextString" value="x-attribute2"/>
0590         <AttributeValue type="TextString" value="ModifiedValue2"/>
0591       </Attribute>
0592     </ResponsePayload>
0593   </BatchItem>
0594 </ResponseMessage>
# TIME 13
0593 <RequestMessage>
0594   <RequestHeader>
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0597       <ProtocolVersionMinor type="Integer" value="1"/>
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0599     <BatchCount type="Integer" value="1"/>
0600   </RequestHeader>
0601   <BatchItem>
0602     <Operation type="Enumeration" value="Get"/>
0603     <RequestPayload>
0604       <UniqueIdentifier type="TextString"
0605 value="$UNIQUE_IDENTIFIER_0"/>
0606     </RequestPayload>
0607   </BatchItem>
0608 </RequestMessage>
0608 <ResponseMessage>
0609   <ResponseHeader>
0610     <ProtocolVersion>
0611       <ProtocolVersionMajor type="Integer" value="1"/>
0612       <ProtocolVersionMinor type="Integer" value="1"/>

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0613	</ProtocolVersion>
0614	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615	<BatchCount type="Integer" value="1"/>
0616	</ResponseHeader>
0617	<BatchItem>
0618	<Operation type="Enumeration" value="Get"/>
0619	<ResultStatus type="Enumeration" value="Success"/>
0620	<ResponsePayload>
0621	<ObjectType type="Enumeration" value="SymmetricKey"/>
0622	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString" value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0628	</KeyValue>
0629	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0630	<CryptographicLength type="Integer" value="128"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
	<i># TIME 14</i>
0636	<RequestMessage>
0637	<RequestHeader>
0638	<ProtocolVersion>
0639	<ProtocolVersionMajor type="Integer" value="1"/>
0640	<ProtocolVersionMinor type="Integer" value="1"/>
0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>
0644	<BatchItem>
0645	<Operation type="Enumeration" value="Destroy"/>
0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
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0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
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0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>
0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>

0666	</BatchItem>
0667	</ResponseMessage>

197

198 **3.6.2 SKFF-M-10-11**

199 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
 200 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

```

0001 # TIME 0
0002 <RequestMessage>
0003   <RequestHeader>
0004     <ProtocolVersion>
0005       <ProtocolVersionMajor type="Integer" value="1"/>
0006       <ProtocolVersionMinor type="Integer" value="1"/>
0007     </ProtocolVersion>
0008     <BatchCount type="Integer" value="1"/>
0009   </RequestHeader>
0010   <BatchItem>
0011     <Operation type="Enumeration" value="Create"/>
0012     <RequestPayload>
0013       <ObjectType type="Enumeration" value="SymmetricKey"/>
0014       <TemplateAttribute>
0015         <Attribute>
0016           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0017           <AttributeValue type="Enumeration" value="AES"/>
0018         </Attribute>
0019         <Attribute>
0020           <AttributeName type="TextString" value="Cryptographic
Length"/>
0021           <AttributeValue type="Integer" value="192"/>
0022         </Attribute>
0023         <Attribute>
0024           <AttributeName type="TextString" value="Name"/>
0025           <AttributeValue>
0026             <NameValue type="TextString" value="SKFF-M-10-11"/>
0027             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0028           </AttributeValue>
0029         </Attribute>
0030         <Attribute>
0031           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0032           <AttributeValue type="Integer" value="Encrypt"/>
0033         </Attribute>
0034       </TemplateAttribute>
0035     </RequestPayload>
0036   </BatchItem>
0037 </RequestMessage>
0038 <ResponseMessage>
0039   <ResponseHeader>
0040     <ProtocolVersion>
0041       <ProtocolVersionMajor type="Integer" value="1"/>
0042       <ProtocolVersionMinor type="Integer" value="1"/>
0043     </ProtocolVersion>
0044     <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0045     <BatchCount type="Integer" value="1"/>

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0045	</ResponseHeader>
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0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
	# TIME 1
0055	<RequestMessage>
0056	<RequestHeader>
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0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="1"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
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0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2
0092	<RequestMessage>
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0097	</ProtocolVersion>



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0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
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0103	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
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0110	<ProtocolVersionMajor type="Integer" value="1"/>
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0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
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0124	# TIME 3 <RequestMessage>
0125	<RequestHeader>
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0127	<ProtocolVersionMajor type="Integer" value="1"/>
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0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="1"/>
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0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>

0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
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0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
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0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-10-11"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0184	</BatchItem>
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0186	<ResponseMessage>
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0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="1"/>
0191	</ProtocolVersion>
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0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
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	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
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0223	</ProtocolVersion>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="192"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
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	# TIME 6
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0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
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0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01- 01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
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0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
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0279	</ResponsePayload>
0280	</BatchItem>
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0282	# TIME 7 <RequestMessage>
0283	<RequestHeader>
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0287	</ProtocolVersion>
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0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
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0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>

0311	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8 <RequestMessage>
0320	<RequestHeader>
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0323	<ProtocolVersionMinor type="Integer" value="1"/>
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0326	</RequestHeader>
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0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
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0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>
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0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>

0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	</ResponsePayload>
0365	</BatchItem>
0366	</ResponseMessage>
	# TIME 9
0367	<RequestMessage>
0368	<RequestHeader>
0369	<ProtocolVersion>
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0371	<ProtocolVersionMinor type="Integer" value="1"/>
0372	</ProtocolVersion>
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0374	</RequestHeader>
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0377	<RequestPayload>
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0388	</ProtocolVersion>
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0390	<BatchCount type="Integer" value="1"/>
0391	</ResponseHeader>
0392	<BatchItem>
0393	<Operation type="Enumeration" value="GetAttributes"/>
0394	<ResultStatus type="Enumeration" value="Success"/>
0395	<ResponsePayload>
0396	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0397	<Attribute>
0398	<AttributeName type="TextString" value="State"/>
0399	<AttributeValue type="Enumeration" value="Compromised"/>
0400	</Attribute>
0401	</ResponsePayload>
0402	</BatchItem>
0403	</ResponseMessage>
	# TIME 10
0404	<RequestMessage>
0405	<RequestHeader>
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0409	</ProtocolVersion>
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0411	</RequestHeader>
0412	<BatchItem>
0413	<Operation type="Enumeration" value="AddAttribute"/>
0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>

0415	<RequestPayload>
0416	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
0420	</Attribute>
0421	</RequestPayload>
0422	</BatchItem>
0423	<BatchItem>
0424	<Operation type="Enumeration" value="AddAttribute"/>
0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0426	<RequestPayload>
0427	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0428	<Attribute>
0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
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0442	<BatchCount type="Integer" value="2"/>
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0444	<BatchItem>
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0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0447	<ResultStatus type="Enumeration" value="Success"/>
0448	<ResponsePayload>
0449	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>
0452	<AttributeValue type="TextString" value="Value1"/>
0453	</Attribute>
0454	</ResponsePayload>
0455	</BatchItem>
0456	<BatchItem>
0457	<Operation type="Enumeration" value="AddAttribute"/>
0458	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0459	<ResultStatus type="Enumeration" value="Success"/>
0460	<ResponsePayload>
0461	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0462	<Attribute>
0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
0465	</Attribute>
0466	</ResponsePayload>
0467	</BatchItem>
0468	</ResponseMessage>

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# TIME 11
0469 <RequestMessage>
0470   <RequestHeader>
0471     <ProtocolVersion>
0472       <ProtocolVersionMajor type="Integer" value="1"/>
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0474     </ProtocolVersion>
0475     <BatchCount type="Integer" value="2"/>
0476   </RequestHeader>
0477   <BatchItem>
0478     <Operation type="Enumeration" value="ModifyAttribute"/>
0479     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0480     <RequestPayload>
0481       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0482       <Attribute>
0483         <AttributeName type="TextString" value="x-attribute1"/>
0484         <AttributeValue type="TextString" value="ModifiedValue1"/>
0485       </Attribute>
0486     </RequestPayload>
0487   </BatchItem>
0488   <BatchItem>
0489     <Operation type="Enumeration" value="ModifyAttribute"/>
0490     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0491     <RequestPayload>
0492       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0493       <Attribute>
0494         <AttributeName type="TextString" value="x-attribute2"/>
0495         <AttributeValue type="TextString" value="ModifiedValue2"/>
0496       </Attribute>
0497     </RequestPayload>
0498   </BatchItem>
0499 </RequestMessage>
0500 <ResponseMessage>
0501   <ResponseHeader>
0502     <ProtocolVersion>
0503       <ProtocolVersionMajor type="Integer" value="1"/>
0504       <ProtocolVersionMinor type="Integer" value="1"/>
0505     </ProtocolVersion>
0506     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0507     <BatchCount type="Integer" value="2"/>
0508   </ResponseHeader>
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0510     <Operation type="Enumeration" value="ModifyAttribute"/>
0511     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0512     <ResultStatus type="Enumeration" value="Success"/>
0513     <ResponsePayload>
0514       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0515       <Attribute>
0516         <AttributeName type="TextString" value="x-attribute1"/>
0517         <AttributeValue type="TextString" value="ModifiedValue1"/>
0518       </Attribute>
0519     </ResponsePayload>
0520   </BatchItem>
0521   <BatchItem>
0522     <Operation type="Enumeration" value="ModifyAttribute"/>

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0523	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0524	<ResultStatus type="Enumeration" value="Success"/>
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0526	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
0528	<AttributeName type="TextString" value="x-attribute2"/>
0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
	# TIME 12
0534	<RequestMessage>
0535	<RequestHeader>
0536	<ProtocolVersion>
0537	<ProtocolVersionMajor type="Integer" value="1"/>
0538	<ProtocolVersionMinor type="Integer" value="1"/>
0539	</ProtocolVersion>
0540	<BatchCount type="Integer" value="2"/>
0541	</RequestHeader>
0542	<BatchItem>
0543	<Operation type="Enumeration" value="DeleteAttribute"/>
0544	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545	<RequestPayload>
0546	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0547	<AttributeName type="TextString" value="x-attribute1"/>
0548	</RequestPayload>
0549	</BatchItem>
0550	<BatchItem>
0551	<Operation type="Enumeration" value="DeleteAttribute"/>
0552	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0553	<RequestPayload>
0554	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0555	<AttributeName type="TextString" value="x-attribute2"/>
0556	</RequestPayload>
0557	</BatchItem>
0558	</RequestMessage>
0559	<ResponseMessage>
0560	<ResponseHeader>
0561	<ProtocolVersion>
0562	<ProtocolVersionMajor type="Integer" value="1"/>
0563	<ProtocolVersionMinor type="Integer" value="1"/>
0564	</ProtocolVersion>
0565	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0566	<BatchCount type="Integer" value="2"/>
0567	</ResponseHeader>
0568	<BatchItem>
0569	<Operation type="Enumeration" value="DeleteAttribute"/>
0570	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571	<ResultStatus type="Enumeration" value="Success"/>
0572	<ResponsePayload>
0573	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0574	<Attribute>
0575	<AttributeName type="TextString" value="x-attribute1"/>

```

0576     <AttributeValue type="TextString" value="ModifiedValue1"/>
0577     </Attribute>
0578     </ResponsePayload>
0579 </BatchItem>
0580 <BatchItem>
0581     <Operation type="Enumeration" value="DeleteAttribute"/>
0582     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0583     <ResultStatus type="Enumeration" value="Success"/>
0584     <ResponsePayload>
0585         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0586         <Attribute>
0587             <AttributeName type="TextString" value="x-attribute2"/>
0588             <AttributeValue type="TextString" value="ModifiedValue2"/>
0589         </Attribute>
0590     </ResponsePayload>
0591 </BatchItem>
0592 </ResponseMessage>

# TIME 13
0593 <RequestMessage>
0594     <RequestHeader>
0595         <ProtocolVersion>
0596             <ProtocolVersionMajor type="Integer" value="1"/>
0597             <ProtocolVersionMinor type="Integer" value="1"/>
0598         </ProtocolVersion>
0599         <BatchCount type="Integer" value="1"/>
0600     </RequestHeader>
0601     <BatchItem>
0602         <Operation type="Enumeration" value="Get"/>
0603         <RequestPayload>
0604             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0605         </RequestPayload>
0606     </BatchItem>
0607 </RequestMessage>

0608 <ResponseMessage>
0609     <ResponseHeader>
0610         <ProtocolVersion>
0611             <ProtocolVersionMajor type="Integer" value="1"/>
0612             <ProtocolVersionMinor type="Integer" value="1"/>
0613         </ProtocolVersion>
0614         <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615         <BatchCount type="Integer" value="1"/>
0616     </ResponseHeader>
0617     <BatchItem>
0618         <Operation type="Enumeration" value="Get"/>
0619         <ResultStatus type="Enumeration" value="Success"/>
0620         <ResponsePayload>
0621             <ObjectType type="Enumeration" value="SymmetricKey"/>
0622             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0623             <SymmetricKey>
0624                 <KeyBlock>
0625                     <KeyFormatType type="Enumeration" value="Raw"/>
0626                     <KeyValue>
0627                         <KeyMaterial type="ByteString"
value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0628                     </KeyValue>

```

0629	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0630	<CryptographicLength type="Integer" value="192"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
# TIME 14	
0636	<RequestMessage>
0637	<RequestHeader>
0638	<ProtocolVersion>
0639	<ProtocolVersionMajor type="Integer" value="1"/>
0640	<ProtocolVersionMinor type="Integer" value="1"/>
0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>
0644	<BatchItem>
0645	<Operation type="Enumeration" value="Destroy"/>
0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
0657	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>
0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

201

### 202 3.6.3 SKFF-M-11-11

203 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
204 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>

0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-11-11"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
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0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="1"/>
0060	</ProtocolVersion>

0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
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0066	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
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0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2 <RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="1"/>
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0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
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0103	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
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0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
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0114	<BatchCount type="Integer" value="1"/>

0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
# TIME 3	
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="1"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="1"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
# TIME 4	
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>

0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-11-11"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0184	</BatchItem>
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0186	<ResponseMessage>
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0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="1"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
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0207	<ProtocolVersionMinor type="Integer" value="1"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
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0222	<ProtocolVersionMinor type="Integer" value="1"/>
0223	</ProtocolVersion>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString" value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="256"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	<i># TIME 6</i>
0246	<RequestMessage>
0247	<RequestHeader>
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0250	<ProtocolVersionMinor type="Integer" value="1"/>
0251	</ProtocolVersion>
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0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
0262	</RequestPayload>
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0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="1"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>



0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
# TIME 7	
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
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0286	<ProtocolVersionMinor type="Integer" value="1"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
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0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="1"/>
0303	</ProtocolVersion>
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0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
# TIME 8	
0319	<RequestMessage>
0320	<RequestHeader>
0321	<ProtocolVersion>
0322	<ProtocolVersionMajor type="Integer" value="1"/>
0323	<ProtocolVersionMinor type="Integer" value="1"/>
0324	</ProtocolVersion>
0325	<BatchCount type="Integer" value="1"/>

0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	</ResponsePayload>
0365	</BatchItem>
0366	</ResponseMessage>
0367	# TIME 9 <RequestMessage>
0368	<RequestHeader>
0369	<ProtocolVersion>
0370	<ProtocolVersionMajor type="Integer" value="1"/>
0371	<ProtocolVersionMinor type="Integer" value="1"/>
0372	</ProtocolVersion>
0373	<BatchCount type="Integer" value="1"/>
0374	</RequestHeader>
0375	<BatchItem>
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0377	<RequestPayload>
0378	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0379	<AttributeName type="TextString" value="State"/>
0380	</RequestPayload>
0381	</BatchItem>
0382	</RequestMessage>
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0390	<BatchCount type="Integer" value="1"/>
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0393	<Operation type="Enumeration" value="GetAttributes"/>
0394	<ResultStatus type="Enumeration" value="Success"/>
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0397	<Attribute>
0398	<AttributeName type="TextString" value="State"/>
0399	<AttributeValue type="Enumeration" value="Compromised"/>
0400	</Attribute>
0401	</ResponsePayload>
0402	</BatchItem>
0403	</ResponseMessage>
	<i># TIME 10</i>
0404	<RequestMessage>
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0410	<BatchCount type="Integer" value="2"/>
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0412	<BatchItem>
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0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
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0421	</RequestPayload>
0422	</BatchItem>
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0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
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0429	<AttributeName type="TextString" value="x-attribute2"/>

0430	<AttributeValue type="TextString" value="Value2"/>
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0433	</BatchItem>
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0442	<BatchCount type="Integer" value="2"/>
0443	</ResponseHeader>
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0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0447	<ResultStatus type="Enumeration" value="Success"/>
0448	<ResponsePayload>
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0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>
0452	<AttributeValue type="TextString" value="Value1"/>
0453	</Attribute>
0454	</ResponsePayload>
0455	</BatchItem>
0456	<BatchItem>
0457	<Operation type="Enumeration" value="AddAttribute"/>
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0459	<ResultStatus type="Enumeration" value="Success"/>
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0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
0465	</Attribute>
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0476	</RequestHeader>
0477	<BatchItem>
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0479	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
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0482	<Attribute>
0483	<AttributeName type="TextString" value="x-attribute1"/>

0484	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0491	<RequestPayload>
0492	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0495	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0499	</RequestMessage>
0500	<ResponseMessage>
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0507	<BatchCount type="Integer" value="2"/>
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0512	<ResultStatus type="Enumeration" value="Success"/>
0513	<ResponsePayload>
0514	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0515	<Attribute>
0516	<AttributeName type="TextString" value="x-attribute1"/>
0517	<AttributeValue type="TextString" value="ModifiedValue1"/>
0518	</Attribute>
0519	</ResponsePayload>
0520	</BatchItem>
0521	<BatchItem>
0522	<Operation type="Enumeration" value="ModifyAttribute"/>
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0524	<ResultStatus type="Enumeration" value="Success"/>
0525	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
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0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
	# TIME 12
0534	<RequestMessage>
0535	<RequestHeader>
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0537	<ProtocolVersionMajor type="Integer" value="1"/>

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0538     <ProtocolVersionMinor type="Integer" value="1"/>
0539     </ProtocolVersion>
0540     <BatchCount type="Integer" value="2"/>
0541 </RequestHeader>
0542 <BatchItem>
0543     <Operation type="Enumeration" value="DeleteAttribute"/>
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0545     <RequestPayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0547         <AttributeName type="TextString" value="x-attribute1"/>
0548     </RequestPayload>
0549 </BatchItem>
0550 <BatchItem>
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0553     <RequestPayload>
0554         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0555         <AttributeName type="TextString" value="x-attribute2"/>
0556     </RequestPayload>
0557 </BatchItem>
0558 </RequestMessage>
0559 <ResponseMessage>
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0563         <ProtocolVersionMinor type="Integer" value="1"/>
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0566     <BatchCount type="Integer" value="2"/>
0567 </ResponseHeader>
0568 <BatchItem>
0569     <Operation type="Enumeration" value="DeleteAttribute"/>
0570     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571     <ResultStatus type="Enumeration" value="Success"/>
0572     <ResponsePayload>
0573         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0574         <Attribute>
0575             <AttributeName type="TextString" value="x-attribute1"/>
0576             <AttributeValue type="TextString" value="ModifiedValue1"/>
0577         </Attribute>
0578     </ResponsePayload>
0579 </BatchItem>
0580 <BatchItem>
0581     <Operation type="Enumeration" value="DeleteAttribute"/>
0582     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0583     <ResultStatus type="Enumeration" value="Success"/>
0584     <ResponsePayload>
0585         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0586         <Attribute>
0587             <AttributeName type="TextString" value="x-attribute2"/>
0588             <AttributeValue type="TextString" value="ModifiedValue2"/>
0589         </Attribute>
0590     </ResponsePayload>
0591 </BatchItem>

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0592	</ResponseMessage>
	# TIME 13
0593	<RequestMessage>
0594	<RequestHeader>
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0598	</ProtocolVersion>
0599	<BatchCount type="Integer" value="1"/>
0600	</RequestHeader>
0601	<BatchItem>
0602	<Operation type="Enumeration" value="Get"/>
0603	<RequestPayload>
0604	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>
0607	</RequestMessage>
0608	<ResponseMessage>
0609	<ResponseHeader>
0610	<ProtocolVersion>
0611	<ProtocolVersionMajor type="Integer" value="1"/>
0612	<ProtocolVersionMinor type="Integer" value="1"/>
0613	</ProtocolVersion>
0614	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615	<BatchCount type="Integer" value="1"/>
0616	</ResponseHeader>
0617	<BatchItem>
0618	<Operation type="Enumeration" value="Get"/>
0619	<ResultStatus type="Enumeration" value="Success"/>
0620	<ResponsePayload>
0621	<ObjectType type="Enumeration" value="SymmetricKey"/>
0622	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString"
	value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0628	</KeyValue>
0629	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0630	<CryptographicLength type="Integer" value="256"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
	# TIME 14
0636	<RequestMessage>
0637	<RequestHeader>
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0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>

0644	<BatchItem>
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0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
0657	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>
0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

205

### 206 3.6.4 SKFF-M-12-11

207 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
208 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="168"/>
0021	</Attribute>
0022	</TemplateAttribute>



0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-12-11"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	</Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
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0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0056	<RequestMessage>
0057	<RequestHeader>
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0060	<ProtocolVersionMinor type="Integer" value="1"/>
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0063	</RequestHeader>
0064	<BatchItem>
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0066	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
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0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>

0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
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0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	<i># TIME 2</i>
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="1"/>
0097	</ProtocolVersion>
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0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
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0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
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0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
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0121	</ResponsePayload>
0122	</BatchItem>
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	<i># TIME 3</i>
0124	<RequestMessage>
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0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="1"/>

0129	</ProtocolVersion>
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0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
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0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="1"/>
0145	</ProtocolVersion>
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0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
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0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-12-11"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>

0183	</RequestPayload>
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0185	</RequestMessage>
0186	<ResponseMessage>
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0190	<ProtocolVersionMinor type="Integer" value="1"/>
0191	</ProtocolVersion>
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0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
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0208	</ProtocolVersion>
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0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
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0220	<ProtocolVersion>
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0222	<ProtocolVersionMinor type="Integer" value="1"/>
0223	</ProtocolVersion>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
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0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>

0237	<code>&lt;KeyMaterial type="ByteString"</code>
	<code>value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/&gt;</code>
0238	<code>&lt;/KeyValue&gt;</code>
0239	<code>&lt;CryptographicAlgorithm type="Enumeration" value="DES3"/&gt;</code>
0240	<code>&lt;CryptographicLength type="Integer" value="168"/&gt;</code>
0241	<code>&lt;/KeyBlock&gt;</code>
0242	<code>&lt;/SymmetricKey&gt;</code>
0243	<code>&lt;/ResponsePayload&gt;</code>
0244	<code>&lt;/BatchItem&gt;</code>
0245	<code>&lt;/ResponseMessage&gt;</code>
	<i># TIME 6</i>
0246	<code>&lt;RequestMessage&gt;</code>
0247	<code>&lt;RequestHeader&gt;</code>
0248	<code>&lt;ProtocolVersion&gt;</code>
0249	<code>&lt;ProtocolVersionMajor type="Integer" value="1"/&gt;</code>
0250	<code>&lt;ProtocolVersionMinor type="Integer" value="1"/&gt;</code>
0251	<code>&lt;/ProtocolVersion&gt;</code>
0252	<code>&lt;BatchCount type="Integer" value="1"/&gt;</code>
0253	<code>&lt;/RequestHeader&gt;</code>
0254	<code>&lt;BatchItem&gt;</code>
0255	<code>&lt;Operation type="Enumeration" value="Revoke"/&gt;</code>
0256	<code>&lt;RequestPayload&gt;</code>
0257	<code>&lt;UniqueIdentifier type="TextString"</code>
	<code>value="\$UNIQUE_IDENTIFIER_0"/&gt;</code>
0258	<code>&lt;RevocationReason&gt;</code>
0259	<code>&lt;RevocationReasonCode type="Enumeration"</code>
	<code>value="KeyCompromise"/&gt;</code>
0260	<code>&lt;/RevocationReason&gt;</code>
0261	<code>&lt;CompromiseOccurrenceDate type="DateTime" value="1970-01-</code>
	<code>01T00:00:06+00:00"/&gt;</code>
0262	<code>&lt;/RequestPayload&gt;</code>
0263	<code>&lt;/BatchItem&gt;</code>
0264	<code>&lt;/RequestMessage&gt;</code>
0265	<code>&lt;ResponseMessage&gt;</code>
0266	<code>&lt;ResponseHeader&gt;</code>
0267	<code>&lt;ProtocolVersion&gt;</code>
0268	<code>&lt;ProtocolVersionMajor type="Integer" value="1"/&gt;</code>
0269	<code>&lt;ProtocolVersionMinor type="Integer" value="1"/&gt;</code>
0270	<code>&lt;/ProtocolVersion&gt;</code>
0271	<code>&lt;TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/&gt;</code>
0272	<code>&lt;BatchCount type="Integer" value="1"/&gt;</code>
0273	<code>&lt;/ResponseHeader&gt;</code>
0274	<code>&lt;BatchItem&gt;</code>
0275	<code>&lt;Operation type="Enumeration" value="Revoke"/&gt;</code>
0276	<code>&lt;ResultStatus type="Enumeration" value="Success"/&gt;</code>
0277	<code>&lt;ResponsePayload&gt;</code>
0278	<code>&lt;UniqueIdentifier type="TextString"</code>
	<code>value="\$UNIQUE_IDENTIFIER_0"/&gt;</code>
0279	<code>&lt;/ResponsePayload&gt;</code>
0280	<code>&lt;/BatchItem&gt;</code>
0281	<code>&lt;/ResponseMessage&gt;</code>
	<i># TIME 7</i>
0282	<code>&lt;RequestMessage&gt;</code>
0283	<code>&lt;RequestHeader&gt;</code>
0284	<code>&lt;ProtocolVersion&gt;</code>
0285	<code>&lt;ProtocolVersionMajor type="Integer" value="1"/&gt;</code>
0286	<code>&lt;ProtocolVersionMinor type="Integer" value="1"/&gt;</code>
0287	<code>&lt;/ProtocolVersion&gt;</code>

0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="1"/>
0303	</ProtocolVersion>
0304	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8 <RequestMessage>
0320	<RequestHeader>
0321	<ProtocolVersion>
0322	<ProtocolVersionMajor type="Integer" value="1"/>
0323	<ProtocolVersionMinor type="Integer" value="1"/>
0324	</ProtocolVersion>
0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>

0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	</ResponsePayload>
0365	</BatchItem>
0366	</ResponseMessage>
	<i># TIME 9</i>
0367	<RequestMessage>
0368	<RequestHeader>
0369	<ProtocolVersion>
0370	<ProtocolVersionMajor type="Integer" value="1"/>
0371	<ProtocolVersionMinor type="Integer" value="1"/>
0372	</ProtocolVersion>
0373	<BatchCount type="Integer" value="1"/>
0374	</RequestHeader>
0375	<BatchItem>
0376	<Operation type="Enumeration" value="GetAttributes"/>
0377	<RequestPayload>
0378	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0379	<AttributeName type="TextString" value="State"/>
0380	</RequestPayload>
0381	</BatchItem>
0382	</RequestMessage>
0383	<ResponseMessage>
0384	<ResponseHeader>
0385	<ProtocolVersion>
0386	<ProtocolVersionMajor type="Integer" value="1"/>
0387	<ProtocolVersionMinor type="Integer" value="1"/>
0388	</ProtocolVersion>
0389	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0390	<BatchCount type="Integer" value="1"/>
0391	</ResponseHeader>
0392	<BatchItem>

0393	<Operation type="Enumeration" value="GetAttributes"/>
0394	<ResultStatus type="Enumeration" value="Success"/>
0395	<ResponsePayload>
0396	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0397	<Attribute>
0398	<AttributeName type="TextString" value="State"/>
0399	<AttributeValue type="Enumeration" value="Compromised"/>
0400	</Attribute>
0401	</ResponsePayload>
0402	</BatchItem>
0403	</ResponseMessage>
	# TIME 10
0404	<RequestMessage>
0405	<RequestHeader>
0406	<ProtocolVersion>
0407	<ProtocolVersionMajor type="Integer" value="1"/>
0408	<ProtocolVersionMinor type="Integer" value="1"/>
0409	</ProtocolVersion>
0410	<BatchCount type="Integer" value="2"/>
0411	</RequestHeader>
0412	<BatchItem>
0413	<Operation type="Enumeration" value="AddAttribute"/>
0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0415	<RequestPayload>
0416	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
0420	</Attribute>
0421	</RequestPayload>
0422	</BatchItem>
0423	<BatchItem>
0424	<Operation type="Enumeration" value="AddAttribute"/>
0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0426	<RequestPayload>
0427	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0428	<Attribute>
0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
0431	</Attribute>
0432	</RequestPayload>
0433	</BatchItem>
0434	</RequestMessage>
0435	<ResponseMessage>
0436	<ResponseHeader>
0437	<ProtocolVersion>
0438	<ProtocolVersionMajor type="Integer" value="1"/>
0439	<ProtocolVersionMinor type="Integer" value="1"/>
0440	</ProtocolVersion>
0441	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0442	<BatchCount type="Integer" value="2"/>
0443	</ResponseHeader>
0444	<BatchItem>
0445	<Operation type="Enumeration" value="AddAttribute"/>
0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>



```

0447     <ResultStatus type="Enumeration" value="Success"/>
0448     <ResponsePayload>
0449         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0450         <Attribute>
0451             <AttributeName type="TextString" value="x-attribute1"/>
0452             <AttributeValue type="TextString" value="Value1"/>
0453         </Attribute>
0454     </ResponsePayload>
0455 </BatchItem>
0456 <BatchItem>
0457     <Operation type="Enumeration" value="AddAttribute"/>
0458     <UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0459     <ResultStatus type="Enumeration" value="Success"/>
0460     <ResponsePayload>
0461         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0462         <Attribute>
0463             <AttributeName type="TextString" value="x-attribute2"/>
0464             <AttributeValue type="TextString" value="Value2"/>
0465         </Attribute>
0466     </ResponsePayload>
0467 </BatchItem>
0468 </ResponseMessage>

```

---

```

# TIME 11
0469 <RequestMessage>
0470     <RequestHeader>
0471         <ProtocolVersion>
0472             <ProtocolVersionMajor type="Integer" value="1"/>
0473             <ProtocolVersionMinor type="Integer" value="1"/>
0474         </ProtocolVersion>
0475         <BatchCount type="Integer" value="2"/>
0476     </RequestHeader>
0477     <BatchItem>
0478         <Operation type="Enumeration" value="ModifyAttribute"/>
0479         <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0480         <RequestPayload>
0481             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0482             <Attribute>
0483                 <AttributeName type="TextString" value="x-attribute1"/>
0484                 <AttributeValue type="TextString" value="ModifiedValue1"/>
0485             </Attribute>
0486         </RequestPayload>
0487     </BatchItem>
0488     <BatchItem>
0489         <Operation type="Enumeration" value="ModifyAttribute"/>
0490         <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0491         <RequestPayload>
0492             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0493             <Attribute>
0494                 <AttributeName type="TextString" value="x-attribute2"/>
0495                 <AttributeValue type="TextString" value="ModifiedValue2"/>
0496             </Attribute>
0497         </RequestPayload>
0498     </BatchItem>
0499 </RequestMessage>

```

```

0500 <ResponseMessage>
0501   <ResponseHeader>
0502     <ProtocolVersion>
0503       <ProtocolVersionMajor type="Integer" value="1"/>
0504       <ProtocolVersionMinor type="Integer" value="1"/>
0505     </ProtocolVersion>
0506     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0507     <BatchCount type="Integer" value="2"/>
0508   </ResponseHeader>
0509   <BatchItem>
0510     <Operation type="Enumeration" value="ModifyAttribute"/>
0511     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0512     <ResultStatus type="Enumeration" value="Success"/>
0513     <ResponsePayload>
0514       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0515       <Attribute>
0516         <AttributeName type="TextString" value="x-attribute1"/>
0517         <AttributeValue type="TextString" value="ModifiedValue1"/>
0518       </Attribute>
0519     </ResponsePayload>
0520   </BatchItem>
0521   <BatchItem>
0522     <Operation type="Enumeration" value="ModifyAttribute"/>
0523     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0524     <ResultStatus type="Enumeration" value="Success"/>
0525     <ResponsePayload>
0526       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0527       <Attribute>
0528         <AttributeName type="TextString" value="x-attribute2"/>
0529         <AttributeValue type="TextString" value="ModifiedValue2"/>
0530       </Attribute>
0531     </ResponsePayload>
0532   </BatchItem>
0533 </ResponseMessage>
# TIME 12
0534 <RequestMessage>
0535   <RequestHeader>
0536     <ProtocolVersion>
0537       <ProtocolVersionMajor type="Integer" value="1"/>
0538       <ProtocolVersionMinor type="Integer" value="1"/>
0539     </ProtocolVersion>
0540     <BatchCount type="Integer" value="2"/>
0541   </RequestHeader>
0542   <BatchItem>
0543     <Operation type="Enumeration" value="DeleteAttribute"/>
0544     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545     <RequestPayload>
0546       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0547       <AttributeName type="TextString" value="x-attribute1"/>
0548     </RequestPayload>
0549   </BatchItem>
0550   <BatchItem>
0551     <Operation type="Enumeration" value="DeleteAttribute"/>
0552     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0553     <RequestPayload>

```

0554	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0555	<AttributeName type="TextString" value="x-attribute2"/>
0556	</RequestPayload>
0557	</BatchItem>
0558	</RequestMessage>
0559	<ResponseMessage>
0560	<ResponseHeader>
0561	<ProtocolVersion>
0562	<ProtocolVersionMajor type="Integer" value="1"/>
0563	<ProtocolVersionMinor type="Integer" value="1"/>
0564	</ProtocolVersion>
0565	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0566	<BatchCount type="Integer" value="2"/>
0567	</ResponseHeader>
0568	<BatchItem>
0569	<Operation type="Enumeration" value="DeleteAttribute"/>
0570	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571	<ResultStatus type="Enumeration" value="Success"/>
0572	<ResponsePayload>
0573	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0574	<Attribute>
0575	<AttributeName type="TextString" value="x-attribute1"/>
0576	<AttributeValue type="TextString" value="ModifiedValue1"/>
0577	</Attribute>
0578	</ResponsePayload>
0579	</BatchItem>
0580	<BatchItem>
0581	<Operation type="Enumeration" value="DeleteAttribute"/>
0582	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0583	<ResultStatus type="Enumeration" value="Success"/>
0584	<ResponsePayload>
0585	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0586	<Attribute>
0587	<AttributeName type="TextString" value="x-attribute2"/>
0588	<AttributeValue type="TextString" value="ModifiedValue2"/>
0589	</Attribute>
0590	</ResponsePayload>
0591	</BatchItem>
0592	</ResponseMessage>
	# TIME 13
0593	<RequestMessage>
0594	<RequestHeader>
0595	<ProtocolVersion>
0596	<ProtocolVersionMajor type="Integer" value="1"/>
0597	<ProtocolVersionMinor type="Integer" value="1"/>
0598	</ProtocolVersion>
0599	<BatchCount type="Integer" value="1"/>
0600	</RequestHeader>
0601	<BatchItem>
0602	<Operation type="Enumeration" value="Get"/>
0603	<RequestPayload>
0604	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>

0607	</RequestMessage>
0608	<ResponseMessage>
0609	<ResponseHeader>
0610	<ProtocolVersion>
0611	<ProtocolVersionMajor type="Integer" value="1"/>
0612	<ProtocolVersionMinor type="Integer" value="1"/>
0613	</ProtocolVersion>
0614	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615	<BatchCount type="Integer" value="1"/>
0616	</ResponseHeader>
0617	<BatchItem>
0618	<Operation type="Enumeration" value="Get"/>
0619	<ResultStatus type="Enumeration" value="Success"/>
0620	<ResponsePayload>
0621	<ObjectType type="Enumeration" value="SymmetricKey"/>
0622	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString" value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0628	</KeyValue>
0629	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0630	<CryptographicLength type="Integer" value="168"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
	<i># TIME 14</i>
0636	<RequestMessage>
0637	<RequestHeader>
0638	<ProtocolVersion>
0639	<ProtocolVersionMajor type="Integer" value="1"/>
0640	<ProtocolVersionMinor type="Integer" value="1"/>
0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>
0644	<BatchItem>
0645	<Operation type="Enumeration" value="Destroy"/>
0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
0657	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>

0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

209

## 210 3.7 Mandatory Test Cases KMIP v1.2 - Basic

### 211 3.7.1 SKFF-M-1-12

#### 212 Create, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>

0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	# TIME 1
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

213

### 214 3.7.2 SKFF-M-2-12

215 Create, Destroy AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>

0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"

0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

216

### 217 3.7.3 SKFF-M-3-12

#### 218 Create, Destroy AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>



0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	<i># TIME 1</i> <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

220 **3.7.4 SKFF-M-4-12**

## 221 Create, Destroy DES3-168

0001	# TIME 0
0002	<RequestMessage>
0003	<RequestHeader>
0004	<ProtocolVersion>
0005	<ProtocolVersionMajor type="Integer" value="1"/>
0006	<ProtocolVersionMinor type="Integer" value="2"/>
0007	</ProtocolVersion>
0008	<BatchCount type="Integer" value="1"/>
0009	</RequestHeader>
0010	<BatchItem>
0011	<Operation type="Enumeration" value="Create"/>
0012	<RequestPayload>
0013	<ObjectType type="Enumeration" value="SymmetricKey"/>
0014	<TemplateAttribute>
0015	<Attribute>
0016	<AttributeName type="TextString" value="Cryptographic
0017	Algorithm"/>
0018	<AttributeValue type="Enumeration" value="DES3"/>
0019	</Attribute>
0020	<Attribute>
0021	<AttributeName type="TextString" value="Cryptographic
0022	Length"/>
0023	<AttributeValue type="Integer" value="168"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
0027	Usage Mask"/>
0028	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0029	</Attribute>
0030	</TemplateAttribute>
0031	</RequestPayload>
0032	</BatchItem>
0033	</RequestMessage>
0034	<ResponseMessage>
0035	<ResponseHeader>
0036	<ProtocolVersion>
0037	<ProtocolVersionMajor type="Integer" value="1"/>
0038	<ProtocolVersionMinor type="Integer" value="2"/>
0039	</ProtocolVersion>
0040	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0041	<BatchCount type="Integer" value="1"/>
0042	</ResponseHeader>
0043	<BatchItem>
0044	<Operation type="Enumeration" value="Create"/>
0045	<ResultStatus type="Enumeration" value="Success"/>
0046	<ResponsePayload>
0047	<ObjectType type="Enumeration" value="SymmetricKey"/>
0048	<UniqueIdentifier type="TextString"
0049	value="\$UNIQUE_IDENTIFIER_0"/>
0050	</ResponsePayload>
0051	</BatchItem>
0052	</ResponseMessage>

```

0048 # TIME 1
0048 <RequestMessage>
0049   <RequestHeader>
0050     <ProtocolVersion>
0051       <ProtocolVersionMajor type="Integer" value="1"/>
0052       <ProtocolVersionMinor type="Integer" value="2"/>
0053     </ProtocolVersion>
0054     <BatchCount type="Integer" value="1"/>
0055   </RequestHeader>
0056   <BatchItem>
0057     <Operation type="Enumeration" value="Destroy"/>
0058     <RequestPayload>
0059       <UniqueIdentifier type="TextString"
0060 value="$UNIQUE_IDENTIFIER_0"/>
0061     </RequestPayload>
0062   </BatchItem>
0062 </RequestMessage>
0063 <ResponseMessage>
0064   <ResponseHeader>
0065     <ProtocolVersion>
0066       <ProtocolVersionMajor type="Integer" value="1"/>
0067       <ProtocolVersionMinor type="Integer" value="2"/>
0068     </ProtocolVersion>
0069     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070     <BatchCount type="Integer" value="1"/>
0071   </ResponseHeader>
0072   <BatchItem>
0073     <Operation type="Enumeration" value="Destroy"/>
0074     <ResultStatus type="Enumeration" value="Success"/>
0075     <ResponsePayload>
0076       <UniqueIdentifier type="TextString"
0077 value="$UNIQUE_IDENTIFIER_0"/>
0078     </ResponsePayload>
0079   </BatchItem>
0079 </ResponseMessage>

```

222

## 223 3.8 Mandatory Test Cases KMIP v1.2 - Intermediate

### 224 3.8.1 SKFF-M-5-12

225 Create, Locate, Get, Destroy, Locate AES-128

```

0001 # TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>

```

0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-5-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="128"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>

0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-5-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>

0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="ff52f70583d7321722c6d4e5e4605071"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="128"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
# TIME 3	
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>

0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	<i># TIME 4</i>
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

226

### 227 3.8.2 SKFF-M-6-12

228 Create, Locate, Get, Destroy, Locate AES-192

	<i># TIME 0</i>
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>

0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-6-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="192"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>



0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-6-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
0101	# TIME 2 <RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>

0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="ae2443611895beb460237aa0a86e1d097d77e33307a8aaff"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="192"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	<i># TIME 3</i>
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>

0172	<UniqueIdentifier type="TextString"
0173	value="\$UNIQUE_IDENTIFIER_0"/>
0174	</ResponsePayload>
0175	</BatchItem>
0176	</ResponseMessage>
0176	# TIME 4
0177	<RequestMessage>
0178	<RequestHeader>
0179	<ProtocolVersion>
0180	<ProtocolVersionMajor type="Integer" value="1"/>
0181	<ProtocolVersionMinor type="Integer" value="2"/>
0182	</ProtocolVersion>
0183	<BatchCount type="Integer" value="1"/>
0184	</RequestHeader>
0185	<BatchItem>
0186	<Operation type="Enumeration" value="Locate"/>
0187	<RequestPayload>
0188	<Attribute>
0189	<AttributeName type="TextString" value="Unique Identifier"/>
0190	<AttributeValue type="TextString"
0191	value="\$UNIQUE_IDENTIFIER_0"/>
0192	</Attribute>
0193	</RequestPayload>
0194	</BatchItem>
0195	</RequestMessage>
0196	<ResponseMessage>
0197	<ResponseHeader>
0198	<ProtocolVersion>
0199	<ProtocolVersionMajor type="Integer" value="1"/>
0200	<ProtocolVersionMinor type="Integer" value="2"/>
0201	</ProtocolVersion>
0202	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0203	<BatchCount type="Integer" value="1"/>
0204	</ResponseHeader>
0205	<BatchItem>
0206	<Operation type="Enumeration" value="Locate"/>
0207	<ResultStatus type="Enumeration" value="Success"/>
0208	<ResponsePayload>
0209	</ResponsePayload>
0210	</BatchItem>
0211	</ResponseMessage>

229

### 230 3.8.3 SKFF-M-7-12

231 Create, Locate, Get, Destroy, Locate AES-256

0001	# TIME 0
0002	<RequestMessage>
0003	<RequestHeader>
0004	<ProtocolVersion>
0005	<ProtocolVersionMajor type="Integer" value="1"/>
0006	<ProtocolVersionMinor type="Integer" value="2"/>
0007	</ProtocolVersion>
0008	<BatchCount type="Integer" value="1"/>
0009	</RequestHeader>
0010	<BatchItem>
0011	<Operation type="Enumeration" value="Create"/>

0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-7-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="256"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>

0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	<i># TIME 2</i>
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>

0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="f88b2ddae98a018dc3b73df2b06895e548af3e1f93d66e40ea807b9078de0b18"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="256"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>

0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

232

### 233 3.8.4 SKFF-M-8-12

234 Create, Locate, Get, Destroy, Locate DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>

0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-8-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="DES3"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="168"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1



```

0059 <RequestMessage>
0060   <RequestHeader>
0061     <ProtocolVersion>
0062       <ProtocolVersionMajor type="Integer" value="1"/>
0063       <ProtocolVersionMinor type="Integer" value="2"/>
0064     </ProtocolVersion>
0065     <BatchCount type="Integer" value="1"/>
0066   </RequestHeader>
0067   <BatchItem>
0068     <Operation type="Enumeration" value="Locate"/>
0069     <RequestPayload>
0070       <Attribute>
0071         <AttributeName type="TextString" value="Object Type"/>
0072         <AttributeValue type="Enumeration" value="SymmetricKey"/>
0073       </Attribute>
0074       <Attribute>
0075         <AttributeName type="TextString" value="Name"/>
0076         <AttributeValue>
0077           <NameValue type="TextString" value="SKFF-M-8-12"/>
0078           <NameType type="Enumeration"
0079             value="UninterpretedTextString"/>
0080         </AttributeValue>
0081       </Attribute>
0082     </RequestPayload>
0083   </BatchItem>
0084 </RequestMessage>
0084 <ResponseMessage>
0085   <ResponseHeader>
0086     <ProtocolVersion>
0087       <ProtocolVersionMajor type="Integer" value="1"/>
0088       <ProtocolVersionMinor type="Integer" value="2"/>
0089     </ProtocolVersion>
0090     <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091     <BatchCount type="Integer" value="1"/>
0092   </ResponseHeader>
0093   <BatchItem>
0094     <Operation type="Enumeration" value="Locate"/>
0095     <ResultStatus type="Enumeration" value="Success"/>
0096     <ResponsePayload>
0097       <UniqueIdentifier type="TextString"
0098         value="$UNIQUE_IDENTIFIER_0"/>
0099     </ResponsePayload>
0100   </BatchItem>
0101 </ResponseMessage>
0101 # TIME 2
0102 <RequestMessage>
0103   <RequestHeader>
0104     <ProtocolVersion>
0105       <ProtocolVersionMajor type="Integer" value="1"/>
0106       <ProtocolVersionMinor type="Integer" value="2"/>
0107     </ProtocolVersion>
0108     <BatchCount type="Integer" value="1"/>
0109   </RequestHeader>
0110   <BatchItem>
0111     <Operation type="Enumeration" value="Get"/>
0112     <RequestPayload>
0113       <UniqueIdentifier type="TextString"
0114         value="$UNIQUE_IDENTIFIER_0"/>

```

0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="168"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>

0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
# TIME 4	
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

235

## 236 3.9 Mandatory Test Cases KMIP v1.2 - Advanced

### 237 3.9.1 SKFF-M-9-12

238 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>

0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-9-12"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1 <RequestMessage>

0056	<RequestHeader>
0057	<ProtocolVersion>
0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="2"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="2"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2
0093	<RequestMessage>
0094	<RequestHeader>
0095	<ProtocolVersion>
0096	<ProtocolVersionMajor type="Integer" value="1"/>
0097	<ProtocolVersionMinor type="Integer" value="2"/>
0098	</ProtocolVersion>
0099	<BatchCount type="Integer" value="1"/>
0100	</RequestHeader>
0101	<BatchItem>
0102	<Operation type="Enumeration" value="Activate"/>
0103	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>

0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="2"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="2"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="2"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>

0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="2"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="2"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>

0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString" value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="128"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
<i># TIME 6</i>	
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="2"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:00+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
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0269	<ProtocolVersionMinor type="Integer" value="2"/>
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0272	<BatchCount type="Integer" value="1"/>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
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	<i># TIME 7</i>
0282	<RequestMessage>
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0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
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	<i># TIME 8</i>
0319	<RequestMessage>
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0341	<BatchCount type="Integer" value="1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Original Creation
	Date"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
	# TIME 9
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	value="\$UNIQUE_IDENTIFIER_0"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
0421	</Attribute>
0422	</RequestPayload>
0423	</BatchItem>
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0443	<BatchCount type="Integer" value="2"/>
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0446	<Operation type="Enumeration" value="AddAttribute"/>
0447	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0448	<ResultStatus type="Enumeration" value="Success"/>
0449	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0451	<Attribute>
0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>
0455	</ResponsePayload>
0456	</BatchItem>
0457	<BatchItem>
0458	<Operation type="Enumeration" value="AddAttribute"/>
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0460	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0465	<AttributeValue type="TextString" value="Value2"/>
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0471	<RequestHeader>
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0475	</ProtocolVersion>
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0477	</RequestHeader>
0478	<BatchItem>
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0481	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0484	<AttributeName type="TextString" value="x-attribute1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0495	<AttributeName type="TextString" value="x-attribute2"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0535	<RequestMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0587	<Attribute>
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0601	</RequestHeader>
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0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
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0616	<BatchCount type="Integer" value="1"/>
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0620	<ResultStatus type="Enumeration" value="Success"/>
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0623	<UniqueIdentifier type="TextString"
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0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString"
	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0631	<CryptographicLength type="Integer" value="128"/>
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0659	<BatchCount type="Integer" value="1"/>
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0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

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### 240 3.9.2 SKFF-M-10-12

241 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
 242 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
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0004	<ProtocolVersionMajor type="Integer" value="1"/>
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0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	</Attribute>



0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-10-12"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
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0036	</RequestMessage>
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0046	<BatchItem>
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0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0062	</RequestHeader>
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0066	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
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0069	</BatchItem>
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0071	<ResponseMessage>
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0079	</ResponseHeader>
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0081	<Operation type="Enumeration" value="GetAttributes"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
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0091	</ResponseMessage>
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0099	</RequestHeader>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
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0107	<ResponseMessage>
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	# TIME 3

0124	<RequestMessage>
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0131	</RequestHeader>
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0134	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
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0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
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0166	</ProtocolVersion>
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0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>

0179	<NameValue type="TextString" value="SKFF-M-10-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0184	</BatchItem>
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0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
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0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
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0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
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0222	<ProtocolVersionMinor type="Integer" value="2"/>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"

0233	value="\$UNIQUE_IDENTIFIER_0"/>
0234	<SymmetricKey>
0235	<KeyBlock>
0236	<KeyFormatType type="Enumeration" value="Raw"/>
0237	<KeyValue>
0238	<KeyMaterial type="ByteString"
0239	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0240	</KeyValue>
0241	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0242	<CryptographicLength type="Integer" value="192"/>
0243	</KeyBlock>
0244	</SymmetricKey>
0245	</ResponsePayload>
0246	</BatchItem>
0247	</ResponseMessage>
0248	# TIME 6
0249	<RequestMessage>
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0252	<ProtocolVersionMajor type="Integer" value="1"/>
0253	<ProtocolVersionMinor type="Integer" value="2"/>
0254	</ProtocolVersion>
0255	<BatchCount type="Integer" value="1"/>
0256	</RequestHeader>
0257	<BatchItem>
0258	<Operation type="Enumeration" value="Revoke"/>
0259	<RequestPayload>
0260	<UniqueIdentifier type="TextString"
0261	value="\$UNIQUE_IDENTIFIER_0"/>
0262	<RevocationReason>
0263	<RevocationReasonCode type="Enumeration"
0264	value="KeyCompromise"/>
0265	</RevocationReason>
0266	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
0267	01T00:00:06+00:00"/>
0268	</RequestPayload>
0269	</BatchItem>
0270	</RequestMessage>
0271	<ResponseMessage>
0272	<ResponseHeader>
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0274	<ProtocolVersionMajor type="Integer" value="1"/>
0275	<ProtocolVersionMinor type="Integer" value="2"/>
0276	</ProtocolVersion>
0277	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0278	<BatchCount type="Integer" value="1"/>
0279	</ResponseHeader>
0280	<BatchItem>
0281	<Operation type="Enumeration" value="Revoke"/>
0282	<ResponseStatus type="Enumeration" value="Success"/>
0283	<ResponsePayload>
0284	<UniqueIdentifier type="TextString"
0285	value="\$UNIQUE_IDENTIFIER_0"/>
0286	</ResponsePayload>
0287	</BatchItem>
0288	</ResponseMessage>
0289	# TIME 7
0290	<RequestMessage>

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0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8
0320	<RequestMessage>
0321	<RequestHeader>
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0328	<BatchItem>
0329	<Operation type="Enumeration" value="GetAttributeList"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>

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0338	<ProtocolVersionMinor type="Integer" value="2"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE IDENTIFIER 0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	<AttributeName type="TextString" value="Original Creation
	Date"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
	# TIME 9
0368	<RequestMessage>
0369	<RequestHeader>
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0377	<Operation type="Enumeration" value="GetAttributes"/>
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0379	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0380	<AttributeName type="TextString" value="State"/>
0381	</RequestPayload>
0382	</BatchItem>
0383	</RequestMessage>
0384	<ResponseMessage>
0385	<ResponseHeader>
0386	<ProtocolVersion>

0387	<ProtocolVersionMajor type="Integer" value="1"/>
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0389	</ProtocolVersion>
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0391	<BatchCount type="Integer" value="1"/>
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0393	<BatchItem>
0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
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0398	value="\$UNIQUE_IDENTIFIER_0"/>
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0401	<AttributeValue type="Enumeration" value="Compromised"/>
0402	</Attribute>
0403	</ResponsePayload>
0404	</BatchItem>
0404	</ResponseMessage>
0405	# TIME 10
0405	<RequestMessage>
0406	<RequestHeader>
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0412	</RequestHeader>
0413	<BatchItem>
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0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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0417	<UniqueIdentifier type="TextString"
0418	value="\$UNIQUE_IDENTIFIER_0"/>
0419	<Attribute>
0420	<AttributeName type="TextString" value="x-attribute1"/>
0421	<AttributeValue type="TextString" value="Value1"/>
0422	</Attribute>
0423	</RequestPayload>
0424	</BatchItem>
0425	<BatchItem>
0426	<Operation type="Enumeration" value="AddAttribute"/>
0427	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
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0430	value="\$UNIQUE_IDENTIFIER_0"/>
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0433	<AttributeValue type="TextString" value="Value2"/>
0434	</Attribute>
0435	</RequestPayload>
0436	</BatchItem>
0437	</RequestMessage>
0436	<ResponseMessage>
0437	<ResponseHeader>
0438	<ProtocolVersion>
0439	<ProtocolVersionMajor type="Integer" value="1"/>
0440	<ProtocolVersionMinor type="Integer" value="2"/>



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0441     </ProtocolVersion>
0442     <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0443     <BatchCount type="Integer" value="2"/>
0444 </ResponseHeader>
0445 <BatchItem>
0446     <Operation type="Enumeration" value="AddAttribute"/>
0447     <UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0448     <ResultStatus type="Enumeration" value="Success"/>
0449     <ResponsePayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0451         <Attribute>
0452             <AttributeName type="TextString" value="x-attribute1"/>
0453             <AttributeValue type="TextString" value="Value1"/>
0454         </Attribute>
0455     </ResponsePayload>
0456 </BatchItem>
0457 <BatchItem>
0458     <Operation type="Enumeration" value="AddAttribute"/>
0459     <UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460     <ResultStatus type="Enumeration" value="Success"/>
0461     <ResponsePayload>
0462         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0463         <Attribute>
0464             <AttributeName type="TextString" value="x-attribute2"/>
0465             <AttributeValue type="TextString" value="Value2"/>
0466         </Attribute>
0467     </ResponsePayload>
0468 </BatchItem>
0469 </ResponseMessage>
# TIME 11
0470 <RequestMessage>
0471 <RequestHeader>
0472     <ProtocolVersion>
0473         <ProtocolVersionMajor type="Integer" value="1"/>
0474         <ProtocolVersionMinor type="Integer" value="2"/>
0475     </ProtocolVersion>
0476     <BatchCount type="Integer" value="2"/>
0477 </RequestHeader>
0478 <BatchItem>
0479     <Operation type="Enumeration" value="ModifyAttribute"/>
0480     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481     <RequestPayload>
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value="$UNIQUE_IDENTIFIER_0"/>
0483         <Attribute>
0484             <AttributeName type="TextString" value="x-attribute1"/>
0485             <AttributeValue type="TextString" value="ModifiedValue1"/>
0486         </Attribute>
0487     </RequestPayload>
0488 </BatchItem>
0489 <BatchItem>
0490     <Operation type="Enumeration" value="ModifyAttribute"/>
0491     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0492     <RequestPayload>
0493         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>

```

0494	<Attribute>
0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
0497	</Attribute>
0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
0502	<ResponseHeader>
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0506	</ProtocolVersion>
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0508	<BatchCount type="Integer" value="2"/>
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0510	<BatchItem>
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0512	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
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0516	<Attribute>
0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>
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0525	<ResultStatus type="Enumeration" value="Success"/>
0526	<ResponsePayload>
0527	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
	# TIME 12
0535	<RequestMessage>
0536	<RequestHeader>
0537	<ProtocolVersion>
0538	<ProtocolVersionMajor type="Integer" value="1"/>
0539	<ProtocolVersionMinor type="Integer" value="2"/>
0540	</ProtocolVersion>
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0543	<BatchItem>
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0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>

0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
0551	<BatchItem>
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0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
0561	<ResponseHeader>
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0563	<ProtocolVersionMajor type="Integer" value="1"/>
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0565	</ProtocolVersion>
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0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
0569	<BatchItem>
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0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
0574	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>
0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
0578	</Attribute>
0579	</ResponsePayload>
0580	</BatchItem>
0581	<BatchItem>
0582	<Operation type="Enumeration" value="DeleteAttribute"/>
0583	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0587	<Attribute>
0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
	# TIME 13
0594	<RequestMessage>
0595	<RequestHeader>
0596	<ProtocolVersion>
0597	<ProtocolVersionMajor type="Integer" value="1"/>
0598	<ProtocolVersionMinor type="Integer" value="2"/>
0599	</ProtocolVersion>
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0601	</RequestHeader>

0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="2"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString"
	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0631	<CryptographicLength type="Integer" value="192"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
	# TIME 14
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
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0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>

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0655     <ProtocolVersionMajor type="Integer" value="1"/>
0656     <ProtocolVersionMinor type="Integer" value="2"/>
0657     </ProtocolVersion>
0658     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659     <BatchCount type="Integer" value="1"/>
0660     </ResponseHeader>
0661     <BatchItem>
0662         <Operation type="Enumeration" value="Destroy"/>
0663         <ResultStatus type="Enumeration" value="Success"/>
0664         <ResponsePayload>
0665             <UniqueIdentifier type="TextString"
value="$UNIQUE IDENTIFIER 0"/>
0666         </ResponsePayload>
0667     </BatchItem>
0668 </ResponseMessage>

```

243

### 244 3.9.3 SKFF-M-11-12

245 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
246 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="AES"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="256"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-M-11-12"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>

```

0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1
0056	<RequestMessage>
0057	<RequestHeader>
0058	<ProtocolVersion>
0059	<ProtocolVersionMajor type="Integer" value="1"/>
0060	<ProtocolVersionMinor type="Integer" value="2"/>
0061	</ProtocolVersion>
0062	<BatchCount type="Integer" value="1"/>
0063	</RequestHeader>
0064	<BatchItem>
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0066	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="2"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>

0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
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0089	</ResponsePayload>
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0092	# TIME 2 <RequestMessage>
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0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
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0107	<ResponseMessage>
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0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
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0121	</ResponsePayload>
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0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
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0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>

0139	</RequestMessage>
0140	<ResponseMessage>
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0147	<BatchCount type="Integer" value="1"/>
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0151	<ResultStatus type="Enumeration" value="Success"/>
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0156	<AttributeValue type="Enumeration" value="Active"/>
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0159	</BatchItem>
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0161	<RequestMessage>
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0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-11-12"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
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0186	<ResponseMessage>
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0193	<BatchCount type="Integer" value="1"/>



0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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# TIME 5	
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
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0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
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	value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="256"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>

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0246	<RequestMessage>
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0253	</RequestHeader>
0254	<BatchItem>
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0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
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0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
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0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
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0281	</ResponseMessage>
0282	# TIME 7
0282	<RequestMessage>
0283	<RequestHeader>
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0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>

0297	</RequestMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
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0318	</ResponseMessage>
	# TIME 8
0319	<RequestMessage>
0320	<RequestHeader>
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0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
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0337	<ProtocolVersionMajor type="Integer" value="1"/>
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0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
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0343	<BatchItem>
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0345	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic

0351	Algorithm"/>
0352	<AttributeName type="TextString" value="Cryptographic
0353	Length"/>
0354	<AttributeName type="TextString" value="Activation Date"/>
0355	<AttributeName type="TextString" value="Compromise Date"/>
0356	<AttributeName type="TextString" value="Compromise Occurrence
0357	Date"/>
0358	<AttributeName type="TextString" value="Cryptographic Usage
0359	Mask"/>
0360	<AttributeName type="TextString" value="Digest"/>
0361	<AttributeName type="TextString" value="Fresh"/>
0362	<AttributeName type="TextString" value="Initial Date"/>
0363	<AttributeName type="TextString" value="Last Change Date"/>
0364	<AttributeName type="TextString" value="Lease Time"/>
0365	<AttributeName type="TextString" value="Name"/>
0366	<AttributeName type="TextString" value="Revocation Reason"/>
0367	<AttributeName type="TextString" value="State"/>
0368	<AttributeName type="TextString" value="Original Creation
0369	Date"/>
0370	</ResponsePayload>
0371	</BatchItem>
0372	</ResponseMessage>
0373	# TIME 9
0374	<RequestMessage>
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0379	</ProtocolVersion>
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0388	</RequestPayload>
0389	</BatchItem>
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0391	<ResponseMessage>
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0398	<BatchCount type="Integer" value="1"/>
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	<ResponsePayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	<Attribute>
	<AttributeName type="TextString" value="State"/>
	<AttributeValue type="Enumeration" value="Compromised"/>

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0403	</BatchItem>
0404	</ResponseMessage>
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0406	<RequestHeader>
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0412	</RequestHeader>
0413	<BatchItem>
0414	<Operation type="Enumeration" value="AddAttribute"/>
0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
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0423	</BatchItem>
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0426	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
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0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
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0443	<BatchCount type="Integer" value="2"/>
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0447	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0448	<ResultStatus type="Enumeration" value="Success"/>
0449	<ResponsePayload>
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0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>

0455	</ResponsePayload>
0456	</BatchItem>
0457	<BatchItem>
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0460	<ResultStatus type="Enumeration" value="Success"/>
0461	<ResponsePayload>
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0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
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	# TIME 11
0470	<RequestMessage>
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0477	</RequestHeader>
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0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
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0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0502	<ResponseHeader>
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0506	</ProtocolVersion>
0507	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0508	<BatchCount type="Integer" value="2"/>

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0510	<BatchItem>
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0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0534	</ResponseMessage>
	<i># TIME 12</i>
0535	<RequestMessage>
0536	<RequestHeader>
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0544	<Operation type="Enumeration" value="DeleteAttribute"/>
0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
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0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
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0555	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
0561	<ResponseHeader>

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0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0579	</ResponsePayload>
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0581	<BatchItem>
0582	<Operation type="Enumeration" value="DeleteAttribute"/>
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0584	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
	# TIME 13
0594	<RequestMessage>
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0604	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
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0613	<ProtocolVersionMinor type="Integer" value="2"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>



0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString" value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd18 7a2"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0631	<CryptographicLength type="Integer" value="256"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
	# TIME 14
0637	<RequestMessage>
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0659	<BatchCount type="Integer" value="1"/>
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0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>

```
0668 </ResponseMessage>
```

247

### 248 3.9.4 SKFF-M-12-12

249 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,  
250 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

```
# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
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0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="DES3"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="168"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-M-12-12"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>
0032         </Attribute>
0033       </TemplateAttribute>
0034     </RequestPayload>
0035   </BatchItem>
0036 </RequestMessage>
0037 <ResponseMessage>
0038   <ResponseHeader>
0039     <ProtocolVersion>
0040       <ProtocolVersionMajor type="Integer" value="1"/>
0041       <ProtocolVersionMinor type="Integer" value="2"/>
0042     </ProtocolVersion>
0043     <TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044     <BatchCount type="Integer" value="1"/>
0045   </ResponseHeader>
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0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
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0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
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	# TIME 2
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0105	</BatchItem>
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0108	<ResponseHeader>
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0110	<ProtocolVersionMajor type="Integer" value="1"/>
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0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
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0120	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
0124	# TIME 3 <RequestMessage>
0125	<RequestHeader>
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0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
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0145	</ProtocolVersion>
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0147	<BatchCount type="Integer" value="1"/>
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0149	<BatchItem>
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0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>

0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-12-12"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
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0186	<ResponseMessage>
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0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="2"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
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0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="168"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
0246	# TIME 6
0247	<RequestMessage>
0248	<RequestHeader>
0249	<ProtocolVersion>
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0254	</RequestHeader>
0255	<BatchItem>
0256	<Operation type="Enumeration" value="Revoke"/>
0257	<RequestPayload>
0258	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	<RevocationReason>

0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01- 01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="2"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
0282	# TIME 7 <RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
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0287	</ProtocolVersion>
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0289	</RequestHeader>
0290	<BatchItem>
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0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
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0302	<ProtocolVersionMinor type="Integer" value="2"/>
0303	</ProtocolVersion>
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0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
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0312	value="\$UNIQUE_IDENTIFIER_0"/>
0313	<Attribute>
0314	<AttributeName type="TextString" value="State"/>
0315	<AttributeValue type="Enumeration" value="Compromised"/>
0316	</Attribute>
0317	</ResponsePayload>
0318	</BatchItem>
0319	</ResponseMessage>
0319	# TIME 8
0320	<RequestMessage>
0321	<RequestHeader>
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0327	</RequestHeader>
0328	<BatchItem>
0329	<Operation type="Enumeration" value="GetAttributeList"/>
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0331	<UniqueIdentifier type="TextString"
0332	value="\$UNIQUE_IDENTIFIER_0"/>
0333	</RequestPayload>
0334	</BatchItem>
0335	</RequestMessage>
0336	<ResponseMessage>
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0343	<BatchCount type="Integer" value="1"/>
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0346	<Operation type="Enumeration" value="GetAttributeList"/>
0347	<ResultStatus type="Enumeration" value="Success"/>
0348	<ResponsePayload>
0349	<UniqueIdentifier type="TextString"
0350	value="\$UNIQUE_IDENTIFIER_0"/>
0351	<AttributeName type="TextString" value="Unique Identifier"/>
0352	<AttributeName type="TextString" value="Object Type"/>
0353	<AttributeName type="TextString" value="Cryptographic
0354	Algorithm"/>
0355	<AttributeName type="TextString" value="Cryptographic
0356	Length"/>
0357	<AttributeName type="TextString" value="Activation Date"/>
0358	<AttributeName type="TextString" value="Compromise Date"/>
0359	<AttributeName type="TextString" value="Compromise Occurrence
0360	Date"/>
0361	<AttributeName type="TextString" value="Cryptographic Usage
0362	Mask"/>
0363	<AttributeName type="TextString" value="Digest"/>
0364	<AttributeName type="TextString" value="Fresh"/>
0365	<AttributeName type="TextString" value="Initial Date"/>
0366	<AttributeName type="TextString" value="Last Change Date"/>
0367	<AttributeName type="TextString" value="Lease Time"/>
0368	<AttributeName type="TextString" value="Name"/>



0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	<AttributeName type="TextString" value="Original Creation Date"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
0368	# TIME 9 <RequestMessage>
0369	<RequestHeader>
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0376	<BatchItem>
0377	<Operation type="Enumeration" value="GetAttributes"/>
0378	<RequestPayload>
0379	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0380	<AttributeName type="TextString" value="State"/>
0381	</RequestPayload>
0382	</BatchItem>
0383	</RequestMessage>
0384	<ResponseMessage>
0385	<ResponseHeader>
0386	<ProtocolVersion>
0387	<ProtocolVersionMajor type="Integer" value="1"/>
0388	<ProtocolVersionMinor type="Integer" value="2"/>
0389	</ProtocolVersion>
0390	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0391	<BatchCount type="Integer" value="1"/>
0392	</ResponseHeader>
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0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
0396	<ResponsePayload>
0397	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0398	<Attribute>
0399	<AttributeName type="TextString" value="State"/>
0400	<AttributeValue type="Enumeration" value="Compromised"/>
0401	</Attribute>
0402	</ResponsePayload>
0403	</BatchItem>
0404	</ResponseMessage>
0405	# TIME 10 <RequestMessage>
0406	<RequestHeader>
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0410	</ProtocolVersion>
0411	<BatchCount type="Integer" value="2"/>
0412	</RequestHeader>
0413	<BatchItem>
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0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0416	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
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0422	</RequestPayload>
0423	</BatchItem>
0424	<BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
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0433	</RequestPayload>
0434	</BatchItem>
0435	</RequestMessage>
0436	<ResponseMessage>
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0438	<ProtocolVersion>
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0441	</ProtocolVersion>
0442	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0443	<BatchCount type="Integer" value="2"/>
0444	</ResponseHeader>
0445	<BatchItem>
0446	<Operation type="Enumeration" value="AddAttribute"/>
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0448	<ResultStatus type="Enumeration" value="Success"/>
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0451	<Attribute>
0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>
0455	</ResponsePayload>
0456	</BatchItem>
0457	<BatchItem>
0458	<Operation type="Enumeration" value="AddAttribute"/>
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0461	<ResponsePayload>
0462	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0463	<Attribute>
0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
0467	</ResponsePayload>
0468	</BatchItem>

0469	</ResponseMessage>
	# TIME 11
0470	<RequestMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0495	<AttributeName type="TextString" value="x-attribute2"/>
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0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
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0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
0515	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>

0523	<Operation type="Enumeration" value="ModifyAttribute"/>
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0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
# TIME 12	
0535	<RequestMessage>
0536	<RequestHeader>
0537	<ProtocolVersion>
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0539	<ProtocolVersionMinor type="Integer" value="2"/>
0540	</ProtocolVersion>
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0543	<BatchItem>
0544	<Operation type="Enumeration" value="DeleteAttribute"/>
0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
0551	<BatchItem>
0552	<Operation type="Enumeration" value="DeleteAttribute"/>
0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0554	<RequestPayload>
0555	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
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0567	<BatchCount type="Integer" value="2"/>
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0570	<Operation type="Enumeration" value="DeleteAttribute"/>
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0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
0574	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>

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0576     <AttributeName type="TextString" value="x-attribute1"/>
0577     <AttributeValue type="TextString" value="ModifiedValue1"/>
0578     </Attribute>
0579     </ResponsePayload>
0580 </BatchItem>
0581 <BatchItem>
0582     <Operation type="Enumeration" value="DeleteAttribute"/>
0583     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584     <ResultStatus type="Enumeration" value="Success"/>
0585     <ResponsePayload>
0586     <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0587     <Attribute>
0588     <AttributeName type="TextString" value="x-attribute2"/>
0589     <AttributeValue type="TextString" value="ModifiedValue2"/>
0590     </Attribute>
0591     </ResponsePayload>
0592 </BatchItem>
0593 </ResponseMessage>

# TIME 13
0594 <RequestMessage>
0595 <RequestHeader>
0596 <ProtocolVersion>
0597     <ProtocolVersionMajor type="Integer" value="1"/>
0598     <ProtocolVersionMinor type="Integer" value="2"/>
0599 </ProtocolVersion>
0600 <BatchCount type="Integer" value="1"/>
0601 </RequestHeader>
0602 <BatchItem>
0603 <Operation type="Enumeration" value="Get"/>
0604 <RequestPayload>
0605 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0606 </RequestPayload>
0607 </BatchItem>
0608 </RequestMessage>

0609 <ResponseMessage>
0610 <ResponseHeader>
0611 <ProtocolVersion>
0612     <ProtocolVersionMajor type="Integer" value="1"/>
0613     <ProtocolVersionMinor type="Integer" value="2"/>
0614 </ProtocolVersion>
0615 <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616 <BatchCount type="Integer" value="1"/>
0617 </ResponseHeader>
0618 <BatchItem>
0619 <Operation type="Enumeration" value="Get"/>
0620 <ResultStatus type="Enumeration" value="Success"/>
0621 <ResponsePayload>
0622 <ObjectType type="Enumeration" value="SymmetricKey"/>
0623 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0624 <SymmetricKey>
0625 <KeyBlock>
0626     <KeyFormatType type="Enumeration" value="Raw"/>
0627     <KeyValue>
0628     <KeyMaterial type="ByteString"
value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>

```

0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0631	<CryptographicLength type="Integer" value="168"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
# TIME 14	
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
0641	<ProtocolVersionMinor type="Integer" value="2"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

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## 252 3.10 Optional Test Cases KMIP v1.0

### 253 3.10.1 SKFF-O-1-10

254 Create, Destroy SKIPJACK-80

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>

0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="80"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"

```

0060     value="$UNIQUE_IDENTIFIER_0"/>
0061     </RequestPayload>
0062 </BatchItem>
0062 </RequestMessage>
0063 <ResponseMessage>
0064   <ResponseHeader>
0065     <ProtocolVersion>
0066       <ProtocolVersionMajor type="Integer" value="1"/>
0067       <ProtocolVersionMinor type="Integer" value="0"/>
0068     </ProtocolVersion>
0069     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070     <BatchCount type="Integer" value="1"/>
0071   </ResponseHeader>
0072   <BatchItem>
0073     <Operation type="Enumeration" value="Destroy"/>
0074     <ResultStatus type="Enumeration" value="Success"/>
0075     <ResponsePayload>
0076       <UniqueIdentifier type="TextString"
0077       value="$UNIQUE_IDENTIFIER_0"/>
0077     </ResponsePayload>
0078   </BatchItem>
0079 </ResponseMessage>

```

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### 256 3.10.2 SKFF-O-2-10

257 Create, Locate, Get, Destroy, Locate SKIPJACK-80

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-O-2-10"/>
0018             <NameType type="Enumeration"
0019             value="UninterpretedTextString"/>
0019           </AttributeValue>
0020         </Attribute>
0021         <Attribute>
0022           <AttributeName type="TextString" value="Cryptographic
0023           Algorithm"/>
0023           <AttributeValue type="Enumeration" value="SKIPJACK"/>
0024         </Attribute>
0025         <Attribute>
0026           <AttributeName type="TextString" value="Cryptographic
0026           Length"/>

```



0027	<AttributeValue type="Integer" value="80"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-2-10"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>

0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
0101	</ResponseMessage>
0101	# TIME 2
0102	<RequestMessage>
0103	<RequestHeader>
0104	<ProtocolVersion>
0105	<ProtocolVersionMajor type="Integer" value="1"/>
0106	<ProtocolVersionMinor type="Integer" value="0"/>
0107	</ProtocolVersion>
0108	<BatchCount type="Integer" value="1"/>
0109	</RequestHeader>
0110	<BatchItem>
0111	<Operation type="Enumeration" value="Get"/>
0112	<RequestPayload>
0113	<UniqueIdentifier type="TextString"
0114	value="\$UNIQUE_IDENTIFIER_0"/>
0115	</RequestPayload>
0116	</BatchItem>
0117	</RequestMessage>
0118	<ResponseMessage>
0119	<ResponseHeader>
0120	<ProtocolVersion>
0121	<ProtocolVersionMajor type="Integer" value="1"/>
0122	<ProtocolVersionMinor type="Integer" value="0"/>
0123	</ProtocolVersion>
0124	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0125	<BatchCount type="Integer" value="1"/>
0126	</ResponseHeader>
0127	<BatchItem>
0128	<Operation type="Enumeration" value="Get"/>
0129	<ResultStatus type="Enumeration" value="Success"/>
0130	<ResponsePayload>
0131	<ObjectType type="Enumeration" value="SymmetricKey"/>
0132	<UniqueIdentifier type="TextString"
0133	value="\$UNIQUE_IDENTIFIER_0"/>
0134	<SymmetricKey>
0135	<KeyBlock>
0136	<KeyFormatType type="Enumeration" value="Raw"/>

0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="1778963e51b52027aaa0"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0138	<CryptographicLength type="Integer" value="80"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>

0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

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### 259 3.10.3 SKFF-O-3-10

260 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="80"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>

0025	<NameValue type="TextString" value="SKFF-O-3-10"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="0"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1
0056	<RequestMessage>
0057	<RequestHeader>
0058	<ProtocolVersion>
0059	<ProtocolVersionMajor type="Integer" value="1"/>
0060	<ProtocolVersionMinor type="Integer" value="0"/>
0061	</ProtocolVersion>
0062	<BatchCount type="Integer" value="1"/>
0063	</RequestHeader>
0064	<BatchItem>
0065	<Operation type="Enumeration" value="GetAttributes"/>
0066	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="0"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>

0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="0"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="0"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="0"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>

0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="0"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	<i># TIME 4</i>
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="0"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-3-10"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>

0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="0"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="0"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="0"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>



0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0240	<CryptographicLength type="Integer" value="80"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
# TIME 6	
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="0"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="0"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
# TIME 7	
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
0285	<ProtocolVersionMajor type="Integer" value="1"/>
0286	<ProtocolVersionMinor type="Integer" value="0"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>

0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="0"/>
0303	</ProtocolVersion>
0304	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8 <RequestMessage>
0320	<RequestHeader>
0321	<ProtocolVersion>
0322	<ProtocolVersionMajor type="Integer" value="1"/>
0323	<ProtocolVersionMinor type="Integer" value="0"/>
0324	</ProtocolVersion>
0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="0"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>

0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
0363	</ResponsePayload>
0364	</BatchItem>
0365	</ResponseMessage>
	# TIME 9
0366	<RequestMessage>
0367	<RequestHeader>
0368	<ProtocolVersion>
0369	<ProtocolVersionMajor type="Integer" value="1"/>
0370	<ProtocolVersionMinor type="Integer" value="0"/>
0371	</ProtocolVersion>
0372	<BatchCount type="Integer" value="1"/>
0373	</RequestHeader>
0374	<BatchItem>
0375	<Operation type="Enumeration" value="GetAttributes"/>
0376	<RequestPayload>
0377	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0378	<AttributeName type="TextString" value="State"/>
0379	</RequestPayload>
0380	</BatchItem>
0381	</RequestMessage>
0382	<ResponseMessage>
0383	<ResponseHeader>
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0385	<ProtocolVersionMajor type="Integer" value="1"/>
0386	<ProtocolVersionMinor type="Integer" value="0"/>
0387	</ProtocolVersion>
0388	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0389	<BatchCount type="Integer" value="1"/>
0390	</ResponseHeader>
0391	<BatchItem>
0392	<Operation type="Enumeration" value="GetAttributes"/>
0393	<ResultStatus type="Enumeration" value="Success"/>

0394	<ResponsePayload>
0395	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0396	<Attribute>
0397	<AttributeName type="TextString" value="State"/>
0398	<AttributeValue type="Enumeration" value="Compromised"/>
0399	</Attribute>
0400	</ResponsePayload>
0401	</BatchItem>
0402	</ResponseMessage>
	<i># TIME 10</i>
0403	<RequestMessage>
0404	<RequestHeader>
0405	<ProtocolVersion>
0406	<ProtocolVersionMajor type="Integer" value="1"/>
0407	<ProtocolVersionMinor type="Integer" value="0"/>
0408	</ProtocolVersion>
0409	<BatchCount type="Integer" value="2"/>
0410	</RequestHeader>
0411	<BatchItem>
0412	<Operation type="Enumeration" value="AddAttribute"/>
0413	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0414	<RequestPayload>
0415	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0416	<Attribute>
0417	<AttributeName type="TextString" value="x-attribute1"/>
0418	<AttributeValue type="TextString" value="Value1"/>
0419	</Attribute>
0420	</RequestPayload>
0421	</BatchItem>
0422	<BatchItem>
0423	<Operation type="Enumeration" value="AddAttribute"/>
0424	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0425	<RequestPayload>
0426	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0427	<Attribute>
0428	<AttributeName type="TextString" value="x-attribute2"/>
0429	<AttributeValue type="TextString" value="Value2"/>
0430	</Attribute>
0431	</RequestPayload>
0432	</BatchItem>
0433	</RequestMessage>
0434	<ResponseMessage>
0435	<ResponseHeader>
0436	<ProtocolVersion>
0437	<ProtocolVersionMajor type="Integer" value="1"/>
0438	<ProtocolVersionMinor type="Integer" value="0"/>
0439	</ProtocolVersion>
0440	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0441	<BatchCount type="Integer" value="2"/>
0442	</ResponseHeader>
0443	<BatchItem>
0444	<Operation type="Enumeration" value="AddAttribute"/>
0445	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0446	<ResultStatus type="Enumeration" value="Success"/>
0447	<ResponsePayload>

0448	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0449	<Attribute>
0450	<AttributeName type="TextString" value="x-attribute1"/>
0451	<AttributeValue type="TextString" value="Value1"/>
0452	</Attribute>
0453	</ResponsePayload>
0454	</BatchItem>
0455	<BatchItem>
0456	<Operation type="Enumeration" value="AddAttribute"/>
0457	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0458	<ResultStatus type="Enumeration" value="Success"/>
0459	<ResponsePayload>
0460	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0461	<Attribute>
0462	<AttributeName type="TextString" value="x-attribute2"/>
0463	<AttributeValue type="TextString" value="Value2"/>
0464	</Attribute>
0465	</ResponsePayload>
0466	</BatchItem>
0467	</ResponseMessage>
	# TIME 11
0468	<RequestMessage>
0469	<RequestHeader>
0470	<ProtocolVersion>
0471	<ProtocolVersionMajor type="Integer" value="1"/>
0472	<ProtocolVersionMinor type="Integer" value="0"/>
0473	</ProtocolVersion>
0474	<BatchCount type="Integer" value="2"/>
0475	</RequestHeader>
0476	<BatchItem>
0477	<Operation type="Enumeration" value="ModifyAttribute"/>
0478	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0479	<RequestPayload>
0480	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0481	<Attribute>
0482	<AttributeName type="TextString" value="x-attribute1"/>
0483	<AttributeValue type="TextString" value="ModifiedValue1"/>
0484	</Attribute>
0485	</RequestPayload>
0486	</BatchItem>
0487	<BatchItem>
0488	<Operation type="Enumeration" value="ModifyAttribute"/>
0489	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0490	<RequestPayload>
0491	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0492	<Attribute>
0493	<AttributeName type="TextString" value="x-attribute2"/>
0494	<AttributeValue type="TextString" value="ModifiedValue2"/>
0495	</Attribute>
0496	</RequestPayload>
0497	</BatchItem>
0498	</RequestMessage>
0499	<ResponseMessage>
0500	<ResponseHeader>

0501	<ProtocolVersion>
0502	<ProtocolVersionMajor type="Integer" value="1"/>
0503	<ProtocolVersionMinor type="Integer" value="0"/>
0504	</ProtocolVersion>
0505	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0506	<BatchCount type="Integer" value="2"/>
0507	</ResponseHeader>
0508	<BatchItem>
0509	<Operation type="Enumeration" value="ModifyAttribute"/>
0510	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0511	<ResultStatus type="Enumeration" value="Success"/>
0512	<ResponsePayload>
0513	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0514	<Attribute>
0515	<AttributeName type="TextString" value="x-attribute1"/>
0516	<AttributeValue type="TextString" value="ModifiedValue1"/>
0517	</Attribute>
0518	</ResponsePayload>
0519	</BatchItem>
0520	<BatchItem>
0521	<Operation type="Enumeration" value="ModifyAttribute"/>
0522	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0523	<ResultStatus type="Enumeration" value="Success"/>
0524	<ResponsePayload>
0525	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0526	<Attribute>
0527	<AttributeName type="TextString" value="x-attribute2"/>
0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
0529	</Attribute>
0530	</ResponsePayload>
0531	</BatchItem>
0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
0534	<RequestHeader>
0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
0537	<ProtocolVersionMinor type="Integer" value="0"/>
0538	</ProtocolVersion>
0539	<BatchCount type="Integer" value="2"/>
0540	</RequestHeader>
0541	<BatchItem>
0542	<Operation type="Enumeration" value="DeleteAttribute"/>
0543	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544	<RequestPayload>
0545	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0546	<AttributeName type="TextString" value="x-attribute1"/>
0547	</RequestPayload>
0548	</BatchItem>
0549	<BatchItem>
0550	<Operation type="Enumeration" value="DeleteAttribute"/>
0551	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552	<RequestPayload>
0553	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
0557	</RequestMessage>
0558	<ResponseMessage>
0559	<ResponseHeader>
0560	<ProtocolVersion>
0561	<ProtocolVersionMajor type="Integer" value="1"/>
0562	<ProtocolVersionMinor type="Integer" value="0"/>
0563	</ProtocolVersion>
0564	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565	<BatchCount type="Integer" value="2"/>
0566	</ResponseHeader>
0567	<BatchItem>
0568	<Operation type="Enumeration" value="DeleteAttribute"/>
0569	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0570	<ResultStatus type="Enumeration" value="Success"/>
0571	<ResponsePayload>
0572	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0573	<Attribute>
0574	<AttributeName type="TextString" value="x-attribute1"/>
0575	<AttributeValue type="TextString" value="ModifiedValue1"/>
0576	</Attribute>
0577	</ResponsePayload>
0578	</BatchItem>
0579	<BatchItem>
0580	<Operation type="Enumeration" value="DeleteAttribute"/>
0581	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582	<ResultStatus type="Enumeration" value="Success"/>
0583	<ResponsePayload>
0584	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0585	<Attribute>
0586	<AttributeName type="TextString" value="x-attribute2"/>
0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
0588	</Attribute>
0589	</ResponsePayload>
0590	</BatchItem>
0591	</ResponseMessage>
0592	# TIME 13 <RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>
0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>
0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
0603	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>

0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0629	<CryptographicLength type="Integer" value="80"/>
0630	</KeyBlock>
0631	</SymmetricKey>
0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
	# TIME 14
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>



0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

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### 262 3.10.4 SKFF-O-4-10

263 Create, Destroy DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="112"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>

0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	# TIME 1
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

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### 265 3.10.5 SKFF-O-5-10

266 Create, Locate, Get, Destroy, Locate DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>

0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-5-10"/>
0018	<NameType type="Enumeration"
0019	value="UninterpretedTextString"/>
0020	</AttributeValue>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
0024	Algorithm"/>
0025	<AttributeValue type="Enumeration" value="DES3"/>
0026	</Attribute>
0027	<Attribute>
0028	<AttributeName type="TextString" value="Cryptographic
0029	Length"/>
0030	<AttributeValue type="Integer" value="112"/>
0031	</Attribute>
0032	<Attribute>
0033	<AttributeName type="TextString" value="Cryptographic
0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0036	</Attribute>
0037	<Attribute>
0038	<AttributeName type="TextString" value="Contact
0039	Information"/>
0040	<AttributeValue type="TextString" value="Joe"/>
0041	</Attribute>
0042	</TemplateAttribute>
0043	</RequestPayload>
0044	</BatchItem>
0045	</RequestMessage>
0046	<ResponseMessage>
0047	<ResponseHeader>
0048	<ProtocolVersion>
0049	<ProtocolVersionMajor type="Integer" value="1"/>
0050	<ProtocolVersionMinor type="Integer" value="0"/>
0051	</ProtocolVersion>
0052	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0053	<BatchCount type="Integer" value="1"/>
0054	</ResponseHeader>
0055	<BatchItem>
0056	<Operation type="Enumeration" value="Create"/>
0057	<ResultStatus type="Enumeration" value="Success"/>
0058	<ResponsePayload>
0059	<ObjectType type="Enumeration" value="SymmetricKey"/>
0060	<UniqueIdentifier type="TextString"
0061	value="\$UNIQUE_IDENTIFIER_0"/>
0062	</ResponsePayload>
0063	</BatchItem>
0064	</ResponseMessage>
0065	# TIME 1
0066	<RequestMessage>
0067	<RequestHeader>

0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-5-10"/>
0078	<NameType type="Enumeration"
0079	value="UninterpretedTextString"/>
0080	</AttributeValue>
0081	</Attribute>
0082	</RequestPayload>
0083	</BatchItem>
0084	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
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0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="112"/>
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0141	</ResponsePayload>
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0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

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### 268 3.10.6 SKFF-O-6-10

269 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

	# TIME 0
0001	<RequestMessage>
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0016	<AttributeValue type="Enumeration" value="DES3"/>
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0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="112"/>
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0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-O-6-10"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
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0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
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0093	<RequestMessage>
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0122	</BatchItem>
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	# TIME 3
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0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0158	</ResponsePayload>
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0168	</RequestHeader>
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0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-6-10"/>
0180	<NameType type="Enumeration"
0181	value="UninterpretedTextString"/>
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0193	<BatchCount type="Integer" value="1"/>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
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0232	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString" value="100129b96802a2152aa8d9fb54ec1f83"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="112"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
0246	# TIME 6 <RequestMessage>
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0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01- 01T00:00:06+00:00"/>
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0279	</ResponsePayload>
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	# TIME 7
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0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
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0298	<ResponseMessage>
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0308	<Operation type="Enumeration" value="GetAttributes"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
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	# TIME 8
0319	<RequestMessage>
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0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
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0399	<AttributeValue type="Enumeration" value="Compromised"/>
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0416	value="\$UNIQUE_IDENTIFIER_0"/>
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0463	<AttributeValue type="TextString" value="Value2"/>
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0474	<BatchCount type="Integer" value="2"/>
0475	</RequestHeader>
0476	<BatchItem>
0477	<Operation type="Enumeration" value="ModifyAttribute"/>
0478	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0479	<RequestPayload>
0480	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0481	<Attribute>
0482	<AttributeName type="TextString" value="x-attribute1"/>
0483	<AttributeValue type="TextString" value="ModifiedValue1"/>

0484	</Attribute>
0485	</RequestPayload>
0486	</BatchItem>
0487	<BatchItem>
0488	<Operation type="Enumeration" value="ModifyAttribute"/>
0489	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0490	<RequestPayload>
0491	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0492	<Attribute>
0493	<AttributeName type="TextString" value="x-attribute2"/>
0494	<AttributeValue type="TextString" value="ModifiedValue2"/>
0495	</Attribute>
0496	</RequestPayload>
0497	</BatchItem>
0498	</RequestMessage>
0499	<ResponseMessage>
0500	<ResponseHeader>
0501	<ProtocolVersion>
0502	<ProtocolVersionMajor type="Integer" value="1"/>
0503	<ProtocolVersionMinor type="Integer" value="0"/>
0504	</ProtocolVersion>
0505	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0506	<BatchCount type="Integer" value="2"/>
0507	</ResponseHeader>
0508	<BatchItem>
0509	<Operation type="Enumeration" value="ModifyAttribute"/>
0510	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0511	<ResultStatus type="Enumeration" value="Success"/>
0512	<ResponsePayload>
0513	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0514	<Attribute>
0515	<AttributeName type="TextString" value="x-attribute1"/>
0516	<AttributeValue type="TextString" value="ModifiedValue1"/>
0517	</Attribute>
0518	</ResponsePayload>
0519	</BatchItem>
0520	<BatchItem>
0521	<Operation type="Enumeration" value="ModifyAttribute"/>
0522	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0523	<ResultStatus type="Enumeration" value="Success"/>
0524	<ResponsePayload>
0525	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0526	<Attribute>
0527	<AttributeName type="TextString" value="x-attribute2"/>
0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
0529	</Attribute>
0530	</ResponsePayload>
0531	</BatchItem>
0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
0534	<RequestHeader>
0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
0537	<ProtocolVersionMinor type="Integer" value="0"/>



```

0538     </ProtocolVersion>
0539     <BatchCount type="Integer" value="2"/>
0540 </RequestHeader>
0541 <BatchItem>
0542     <Operation type="Enumeration" value="DeleteAttribute"/>
0543     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544     <RequestPayload>
0545         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0546         <AttributeName type="TextString" value="x-attribute1"/>
0547     </RequestPayload>
0548 </BatchItem>
0549 <BatchItem>
0550     <Operation type="Enumeration" value="DeleteAttribute"/>
0551     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552     <RequestPayload>
0553         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0554         <AttributeName type="TextString" value="x-attribute2"/>
0555     </RequestPayload>
0556 </BatchItem>
0557 </RequestMessage>
0558 <ResponseMessage>
0559 <ResponseHeader>
0560     <ProtocolVersion>
0561         <ProtocolVersionMajor type="Integer" value="1"/>
0562         <ProtocolVersionMinor type="Integer" value="0"/>
0563     </ProtocolVersion>
0564     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565     <BatchCount type="Integer" value="2"/>
0566 </ResponseHeader>
0567 <BatchItem>
0568     <Operation type="Enumeration" value="DeleteAttribute"/>
0569     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0570     <ResultStatus type="Enumeration" value="Success"/>
0571     <ResponsePayload>
0572         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0573         <Attribute>
0574             <AttributeName type="TextString" value="x-attribute1"/>
0575             <AttributeValue type="TextString" value="ModifiedValue1"/>
0576         </Attribute>
0577     </ResponsePayload>
0578 </BatchItem>
0579 <BatchItem>
0580     <Operation type="Enumeration" value="DeleteAttribute"/>
0581     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582     <ResultStatus type="Enumeration" value="Success"/>
0583     <ResponsePayload>
0584         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0585         <Attribute>
0586             <AttributeName type="TextString" value="x-attribute2"/>
0587             <AttributeValue type="TextString" value="ModifiedValue2"/>
0588         </Attribute>
0589     </ResponsePayload>
0590 </BatchItem>
0591 </ResponseMessage>

```

0592	# TIME 13
0592	<RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>
0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>
0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
0603	<UniqueIdentifier type="TextString"
0604	value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>
0607	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString"
0622	value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString"
0628	value="100129b96802a2152aa8d9fb54ec1f83"/>
0629	</KeyMaterial>
0630	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0631	<CryptographicLength type="Integer" value="112"/>
0632	</CryptographicAlgorithm>
0633	</KeyBlock>
0634	</SymmetricKey>
0635	</ResponsePayload>
0636	</BatchItem>
0637	</ResponseMessage>
0635	# TIME 14
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>

0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>
0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

270  
271  
272

## 273 3.11 Optional Test Cases KMIP v1.1

### 274 3.11.1 SKFF-O-1-11

275 Create, Destroy SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="80"/>

0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	<i># TIME 1</i> <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>

0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

276

### 277 3.11.2 SKFF-O-2-11

278 Create, Locate, Get, Destroy, Locate SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-2-11"/>
0018	<NameType type="Enumeration" value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0023	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="80"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>

0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	<i># TIME 1</i>
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-2-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>

0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
# TIME 2	
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="1778963e51b52027aaa0"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0138	<CryptographicLength type="Integer" value="80"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
# TIME 3	
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>

0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	<i># TIME 4</i>
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>



```

0201     <BatchCount type="Integer" value="1"/>
0202     </ResponseHeader>
0203     <BatchItem>
0204         <Operation type="Enumeration" value="Locate"/>
0205         <ResultStatus type="Enumeration" value="Success"/>
0206         <ResponsePayload>
0207             </ResponsePayload>
0208         </BatchItem>
0209     </ResponseMessage>

```

279

### 280 3.11.3 SKFF-O-3-11

281 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="1"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="SKIPJACK"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="80"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-O-3-11"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>
0032         </Attribute>
0033       </TemplateAttribute>
0034     </RequestPayload>
0035   </BatchItem>
0036 </RequestMessage>
0037 <ResponseMessage>
0038 <ResponseHeader>

```

0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
	# TIME 1
0055	<RequestMessage>
0056	<RequestHeader>
0057	<ProtocolVersion>
0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="1"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2

0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="1"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
0104	value="\$UNIQUE_IDENTIFIER_0"/>
0105	</RequestPayload>
0106	</BatchItem>
0107	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="1"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
0121	value="\$UNIQUE_IDENTIFIER_0"/>
0122	</ResponsePayload>
0123	</BatchItem>
0124	</ResponseMessage>
0124	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
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0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
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0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
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0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>

0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
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0362	<AttributeName type="TextString" value="Revocation Reason"/>
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0377	<RequestPayload>
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0379	<AttributeName type="TextString" value="State"/>
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value="$UNIQUE_IDENTIFIER_0"/>
0417         <Attribute>
0418             <AttributeName type="TextString" value="x-attribute1"/>
0419             <AttributeValue type="TextString" value="Value1"/>
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0452                 <AttributeValue type="TextString" value="Value1"/>
0453             </Attribute>
0454         </ResponsePayload>
0455     </BatchItem>
0456     <BatchItem>
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0464	<AttributeValue type="TextString" value="Value2"/>
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	# TIME 12
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0555	<AttributeName type="TextString" value="x-attribute2"/>
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0615	<BatchCount type="Integer" value="1"/>
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0617	<BatchItem>
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0619	<ResultStatus type="Enumeration" value="Success"/>
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0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
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0628	</KeyValue>
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0666	</BatchItem>
0667	</ResponseMessage>

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### 283 3.11.4 SKFF-O-4-11

284 Create, Destroy DES3-112

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0016	<AttributeValue type="Enumeration" value="DES3"/>
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0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="112"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
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0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>

0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

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### 286 3.11.5 SKFF-O-5-11

287 Create, Locate, Get, Destroy, Locate DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-5-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic"
	Algorithm"/>

0023	<AttributeValue type="Enumeration" value="DES3"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="112"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>



0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-5-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
0101	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>

0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="370edc5897b0e957686ebad5c140a40e"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="112"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>

```

0182     <BatchCount type="Integer" value="1"/>
0183 </RequestHeader>
0184 <BatchItem>
0185     <Operation type="Enumeration" value="Locate"/>
0186     <RequestPayload>
0187         <Attribute>
0188             <AttributeName type="TextString" value="Unique Identifier"/>
0189             <AttributeValue type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0190         </Attribute>
0191     </RequestPayload>
0192 </BatchItem>
0193 </RequestMessage>
0194 <ResponseMessage>
0195     <ResponseHeader>
0196         <ProtocolVersion>
0197             <ProtocolVersionMajor type="Integer" value="1"/>
0198             <ProtocolVersionMinor type="Integer" value="1"/>
0199         </ProtocolVersion>
0200         <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201         <BatchCount type="Integer" value="1"/>
0202     </ResponseHeader>
0203     <BatchItem>
0204         <Operation type="Enumeration" value="Locate"/>
0205         <ResultStatus type="Enumeration" value="Success"/>
0206         <ResponsePayload>
0207     </ResponsePayload>
0208     </BatchItem>
0209 </ResponseMessage>

```

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### 289 3.11.6 SKFF-O-6-11

290 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

```

# TIME 0
0001 <RequestMessage>
0002     <RequestHeader>
0003         <ProtocolVersion>
0004             <ProtocolVersionMajor type="Integer" value="1"/>
0005             <ProtocolVersionMinor type="Integer" value="1"/>
0006         </ProtocolVersion>
0007         <BatchCount type="Integer" value="1"/>
0008     </RequestHeader>
0009     <BatchItem>
0010         <Operation type="Enumeration" value="Create"/>
0011         <RequestPayload>
0012             <ObjectType type="Enumeration" value="SymmetricKey"/>
0013             <TemplateAttribute>
0014                 <Attribute>
0015                     <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016                     <AttributeValue type="Enumeration" value="DES3"/>
0017                 </Attribute>
0018                 <Attribute>
0019                     <AttributeName type="TextString" value="Cryptographic
Length"/>
0020                     <AttributeValue type="Integer" value="112"/>

```

0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-O-6-11"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1
0056	<RequestMessage>
0057	<RequestHeader>
0058	<ProtocolVersion>
0059	<ProtocolVersionMajor type="Integer" value="1"/>
0060	<ProtocolVersionMinor type="Integer" value="1"/>
0061	</ProtocolVersion>
0062	<BatchCount type="Integer" value="1"/>
0063	</RequestHeader>
0064	<BatchItem>
0065	<Operation type="Enumeration" value="GetAttributes"/>
0066	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>

0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE IDENTIFIER 0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="1"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="1"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE IDENTIFIER 0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>

0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="1"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="1"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-6-11"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>

0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="1"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
0203	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="1"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="1"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>

0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="100129b96802a2152aa8d9fb54eclf83"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="112"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	# TIME 6
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="1"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="1"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
	# TIME 7
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
0285	<ProtocolVersionMajor type="Integer" value="1"/>



0286	<ProtocolVersionMinor type="Integer" value="1"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="1"/>
0303	</ProtocolVersion>
0304	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8
0320	<RequestMessage>
0321	<RequestHeader>
0322	<ProtocolVersion>
0323	<ProtocolVersionMajor type="Integer" value="1"/>
0324	<ProtocolVersionMinor type="Integer" value="1"/>
0325	</ProtocolVersion>
0326	<BatchCount type="Integer" value="1"/>
0327	</RequestHeader>
0328	<BatchItem>
0329	<Operation type="Enumeration" value="GetAttributeList"/>
0330	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>

0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Object Group"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
	<i># TIME 9</i>
0368	<RequestMessage>
0369	<RequestHeader>
0370	<ProtocolVersion>
0371	<ProtocolVersionMajor type="Integer" value="1"/>
0372	<ProtocolVersionMinor type="Integer" value="1"/>
0373	</ProtocolVersion>
0374	<BatchCount type="Integer" value="1"/>
0375	</RequestHeader>
0376	<BatchItem>
0377	<Operation type="Enumeration" value="GetAttributes"/>
0378	<RequestPayload>
0379	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0380	<AttributeName type="TextString" value="State"/>
0381	</RequestPayload>
0382	</BatchItem>
0383	</RequestMessage>
0384	<ResponseMessage>
0385	<ResponseHeader>
0386	<ProtocolVersion>
0387	<ProtocolVersionMajor type="Integer" value="1"/>
0388	<ProtocolVersionMinor type="Integer" value="1"/>
0389	</ProtocolVersion>
0390	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>

0391	<BatchCount type="Integer" value="1"/>
0392	</ResponseHeader>
0393	<BatchItem>
0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
0396	<ResponsePayload>
0397	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0398	<Attribute>
0399	<AttributeName type="TextString" value="State"/>
0400	<AttributeValue type="Enumeration" value="Compromised"/>
0401	</Attribute>
0402	</ResponsePayload>
0403	</BatchItem>
0404	</ResponseMessage>
	# TIME 10
0405	<RequestMessage>
0406	<RequestHeader>
0407	<ProtocolVersion>
0408	<ProtocolVersionMajor type="Integer" value="1"/>
0409	<ProtocolVersionMinor type="Integer" value="1"/>
0410	</ProtocolVersion>
0411	<BatchCount type="Integer" value="2"/>
0412	</RequestHeader>
0413	<BatchItem>
0414	<Operation type="Enumeration" value="AddAttribute"/>
0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0416	<RequestPayload>
0417	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
0421	</Attribute>
0422	</RequestPayload>
0423	</BatchItem>
0424	<BatchItem>
0425	<Operation type="Enumeration" value="AddAttribute"/>
0426	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0427	<RequestPayload>
0428	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0429	<Attribute>
0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
0432	</Attribute>
0433	</RequestPayload>
0434	</BatchItem>
0435	</RequestMessage>
0436	<ResponseMessage>
0437	<ResponseHeader>
0438	<ProtocolVersion>
0439	<ProtocolVersionMajor type="Integer" value="1"/>
0440	<ProtocolVersionMinor type="Integer" value="1"/>
0441	</ProtocolVersion>
0442	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0443	<BatchCount type="Integer" value="2"/>
0444	</ResponseHeader>

```

0445 <BatchItem>
0446 <Operation type="Enumeration" value="AddAttribute"/>
0447 <UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0448 <ResultStatus type="Enumeration" value="Success"/>
0449 <ResponsePayload>
0450 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0451 <Attribute>
0452 <AttributeName type="TextString" value="x-attribute1"/>
0453 <AttributeValue type="TextString" value="Value1"/>
0454 </Attribute>
0455 </ResponsePayload>
0456 </BatchItem>
0457 <BatchItem>
0458 <Operation type="Enumeration" value="AddAttribute"/>
0459 <UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460 <ResultStatus type="Enumeration" value="Success"/>
0461 <ResponsePayload>
0462 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0463 <Attribute>
0464 <AttributeName type="TextString" value="x-attribute2"/>
0465 <AttributeValue type="TextString" value="Value2"/>
0466 </Attribute>
0467 </ResponsePayload>
0468 </BatchItem>
0469 </ResponseMessage>

# TIME 11
0470 <RequestMessage>
0471 <RequestHeader>
0472 <ProtocolVersion>
0473 <ProtocolVersionMajor type="Integer" value="1"/>
0474 <ProtocolVersionMinor type="Integer" value="1"/>
0475 </ProtocolVersion>
0476 <BatchCount type="Integer" value="2"/>
0477 </RequestHeader>
0478 <BatchItem>
0479 <Operation type="Enumeration" value="ModifyAttribute"/>
0480 <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481 <RequestPayload>
0482 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0483 <Attribute>
0484 <AttributeName type="TextString" value="x-attribute1"/>
0485 <AttributeValue type="TextString" value="ModifiedValue1"/>
0486 </Attribute>
0487 </RequestPayload>
0488 </BatchItem>
0489 <BatchItem>
0490 <Operation type="Enumeration" value="ModifyAttribute"/>
0491 <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0492 <RequestPayload>
0493 <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0494 <Attribute>
0495 <AttributeName type="TextString" value="x-attribute2"/>
0496 <AttributeValue type="TextString" value="ModifiedValue2"/>
0497 </Attribute>

```

0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
0502	<ResponseHeader>
0503	<ProtocolVersion>
0504	<ProtocolVersionMajor type="Integer" value="1"/>
0505	<ProtocolVersionMinor type="Integer" value="1"/>
0506	</ProtocolVersion>
0507	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0508	<BatchCount type="Integer" value="2"/>
0509	</ResponseHeader>
0510	<BatchItem>
0511	<Operation type="Enumeration" value="ModifyAttribute"/>
0512	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
0515	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0516	<Attribute>
0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>
0523	<Operation type="Enumeration" value="ModifyAttribute"/>
0524	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0525	<ResultStatus type="Enumeration" value="Success"/>
0526	<ResponsePayload>
0527	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
	# TIME 12
0535	<RequestMessage>
0536	<RequestHeader>
0537	<ProtocolVersion>
0538	<ProtocolVersionMajor type="Integer" value="1"/>
0539	<ProtocolVersionMinor type="Integer" value="1"/>
0540	</ProtocolVersion>
0541	<BatchCount type="Integer" value="2"/>
0542	</RequestHeader>
0543	<BatchItem>
0544	<Operation type="Enumeration" value="DeleteAttribute"/>
0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
0551	<BatchItem>

0552	<Operation type="Enumeration" value="DeleteAttribute"/>
0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0554	<RequestPayload>
0555	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
0561	<ResponseHeader>
0562	<ProtocolVersion>
0563	<ProtocolVersionMajor type="Integer" value="1"/>
0564	<ProtocolVersionMinor type="Integer" value="1"/>
0565	</ProtocolVersion>
0566	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
0569	<BatchItem>
0570	<Operation type="Enumeration" value="DeleteAttribute"/>
0571	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
0574	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>
0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
0578	</Attribute>
0579	</ResponsePayload>
0580	</BatchItem>
0581	<BatchItem>
0582	<Operation type="Enumeration" value="DeleteAttribute"/>
0583	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0587	<Attribute>
0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
0594	# TIME 13
0594	<RequestMessage>
0595	<RequestHeader>
0596	<ProtocolVersion>
0597	<ProtocolVersionMajor type="Integer" value="1"/>
0598	<ProtocolVersionMinor type="Integer" value="1"/>
0599	</ProtocolVersion>
0600	<BatchCount type="Integer" value="1"/>
0601	</RequestHeader>
0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
0605	<UniqueIdentifier type="TextString"

0606	value="\$UNIQUE_IDENTIFIER_0"/>
0607	</RequestPayload>
0608	</BatchItem>
0609	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="1"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString"
0624	value="\$UNIQUE_IDENTIFIER_0"/>
0625	<SymmetricKey>
0626	<KeyBlock>
0627	<KeyFormatType type="Enumeration" value="Raw"/>
0628	<KeyValue>
0629	<KeyMaterial type="ByteString"
0630	value="100129b96802a2152aa8d9fb54ec1f83"/>
0631	</KeyValue>
0632	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0633	<CryptographicLength type="Integer" value="112"/>
0634	</KeyBlock>
0635	</SymmetricKey>
0636	</ResponsePayload>
0637	</BatchItem>
0638	</ResponseMessage>
0637	# TIME 14
0638	<RequestMessage>
0639	<RequestHeader>
0640	<ProtocolVersion>
0641	<ProtocolVersionMajor type="Integer" value="1"/>
0642	<ProtocolVersionMinor type="Integer" value="1"/>
0643	</ProtocolVersion>
0644	<BatchCount type="Integer" value="1"/>
0645	</RequestHeader>
0646	<BatchItem>
0647	<Operation type="Enumeration" value="Destroy"/>
0648	<RequestPayload>
0649	<UniqueIdentifier type="TextString"
0650	value="\$UNIQUE_IDENTIFIER_0"/>
0651	</RequestPayload>
0652	</BatchItem>
0653	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="1"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>

```

0659     <BatchCount type="Integer" value="1"/>
0660     </ResponseHeader>
0661     <BatchItem>
0662         <Operation type="Enumeration" value="Destroy"/>
0663         <ResultStatus type="Enumeration" value="Success"/>
0664         <ResponsePayload>
0665             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0666         </ResponsePayload>
0667     </BatchItem>
0668 </ResponseMessage>

```

291  
292  
293

## 294 3.12 Optional Test Cases KMIP v1.2

### 295 3.12.1 SKFF-O-1-12

#### 296 Create, Destroy SKIPJACK-80

```

# TIME 0
0001 <RequestMessage>
0002     <RequestHeader>
0003         <ProtocolVersion>
0004             <ProtocolVersionMajor type="Integer" value="1"/>
0005             <ProtocolVersionMinor type="Integer" value="2"/>
0006         </ProtocolVersion>
0007         <BatchCount type="Integer" value="1"/>
0008     </RequestHeader>
0009     <BatchItem>
0010         <Operation type="Enumeration" value="Create"/>
0011         <RequestPayload>
0012             <ObjectType type="Enumeration" value="SymmetricKey"/>
0013             <TemplateAttribute>
0014                 <Attribute>
0015                     <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016                     <AttributeValue type="Enumeration" value="SKIPJACK"/>
0017                 </Attribute>
0018                 <Attribute>
0019                     <AttributeName type="TextString" value="Cryptographic
Length"/>
0020                     <AttributeValue type="Integer" value="80"/>
0021                 </Attribute>
0022                 <Attribute>
0023                     <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0024                     <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025                 </Attribute>
0026             </TemplateAttribute>
0027         </RequestPayload>
0028     </BatchItem>
0029 </RequestMessage>
0030 <ResponseMessage>
0031     <ResponseHeader>
0032         <ProtocolVersion>

```



0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
0045	value="\$UNIQUE_IDENTIFIER_0"/>
0046	</ResponsePayload>
0047	</BatchItem>
0048	</ResponseMessage>
0048	# TIME 1
0049	<RequestMessage>
0050	<RequestHeader>
0051	<ProtocolVersion>
0052	<ProtocolVersionMajor type="Integer" value="1"/>
0053	<ProtocolVersionMinor type="Integer" value="2"/>
0054	</ProtocolVersion>
0055	<BatchCount type="Integer" value="1"/>
0056	</RequestHeader>
0057	<BatchItem>
0058	<Operation type="Enumeration" value="Destroy"/>
0059	<RequestPayload>
0060	<UniqueIdentifier type="TextString"
0061	value="\$UNIQUE_IDENTIFIER_0"/>
0062	</RequestPayload>
0063	</BatchItem>
0064	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
0078	</ResponsePayload>
0079	</BatchItem>
0079	</ResponseMessage>

297

### 298 3.12.2 SKFF-O-2-12

299 Create, Locate, Get, Destroy, Locate SKIPJACK-80

	# TIME 0
--	----------

```

0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-O-2-12"/>
0018             <NameType type="Enumeration"
0019 value="UninterpretedTextString"/>
0020           </AttributeValue>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0024           <AttributeValue type="Enumeration" value="SKIPJACK"/>
0025         </Attribute>
0026         <Attribute>
0027           <AttributeName type="TextString" value="Cryptographic
Length"/>
0028           <AttributeValue type="Integer" value="80"/>
0029         </Attribute>
0030         <Attribute>
0031           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0032           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0033         </Attribute>
0034         <Attribute>
0035           <AttributeName type="TextString" value="Contact
Information"/>
0036           <AttributeValue type="TextString" value="Joe"/>
0037         </Attribute>
0038       </TemplateAttribute>
0039     </RequestPayload>
0040   </BatchItem>
0041 </RequestMessage>
0042 <ResponseMessage>
0043   <ResponseHeader>
0044     <ProtocolVersion>
0045       <ProtocolVersionMajor type="Integer" value="1"/>
0046       <ProtocolVersionMinor type="Integer" value="2"/>
0047     </ProtocolVersion>
0048     <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0049     <BatchCount type="Integer" value="1"/>
0050   </ResponseHeader>
0051   <BatchItem>
0052     <Operation type="Enumeration" value="Create"/>
0053     <ResultStatus type="Enumeration" value="Success"/>
0054   </BatchItem>
0055 </ResponseMessage>

```

0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
0056	value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>
	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-2-12"/>
0078	<NameType type="Enumeration"
0079	value="UninterpretedTextString"/>
0080	</AttributeValue>
0081	</Attribute>
0082	</RequestPayload>
0083	</BatchItem>
	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>

0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString" value="1778963e51b52027aaa0"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0138	<CryptographicLength type="Integer" value="80"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
0144	# TIME 3 <RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>

```

0159 <ResponseMessage>
0160   <ResponseHeader>
0161     <ProtocolVersion>
0162       <ProtocolVersionMajor type="Integer" value="1"/>
0163       <ProtocolVersionMinor type="Integer" value="2"/>
0164     </ProtocolVersion>
0165     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166     <BatchCount type="Integer" value="1"/>
0167   </ResponseHeader>
0168   <BatchItem>
0169     <Operation type="Enumeration" value="Destroy"/>
0170     <ResultStatus type="Enumeration" value="Success"/>
0171     <ResponsePayload>
0172       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0173     </ResponsePayload>
0174   </BatchItem>
0175 </ResponseMessage>

```

```

# TIME 4
0176 <RequestMessage>
0177   <RequestHeader>
0178     <ProtocolVersion>
0179       <ProtocolVersionMajor type="Integer" value="1"/>
0180       <ProtocolVersionMinor type="Integer" value="2"/>
0181     </ProtocolVersion>
0182     <BatchCount type="Integer" value="1"/>
0183   </RequestHeader>
0184   <BatchItem>
0185     <Operation type="Enumeration" value="Locate"/>
0186     <RequestPayload>
0187       <Attribute>
0188         <AttributeName type="TextString" value="Unique Identifier"/>
0189         <AttributeValue type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0190       </Attribute>
0191     </RequestPayload>
0192   </BatchItem>
0193 </RequestMessage>

```

```

0194 <ResponseMessage>
0195   <ResponseHeader>
0196     <ProtocolVersion>
0197       <ProtocolVersionMajor type="Integer" value="1"/>
0198       <ProtocolVersionMinor type="Integer" value="2"/>
0199     </ProtocolVersion>
0200     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201     <BatchCount type="Integer" value="1"/>
0202   </ResponseHeader>
0203   <BatchItem>
0204     <Operation type="Enumeration" value="Locate"/>
0205     <ResultStatus type="Enumeration" value="Success"/>
0206     <ResponsePayload>
0207     </ResponsePayload>
0208   </BatchItem>
0209 </ResponseMessage>

```

## 301 3.12.3 SKFF-O-3-12

302 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

```

0001 # TIME 0
0002 <RequestMessage>
0003   <RequestHeader>
0004     <ProtocolVersion>
0005       <ProtocolVersionMajor type="Integer" value="1"/>
0006       <ProtocolVersionMinor type="Integer" value="2"/>
0007     </ProtocolVersion>
0008     <BatchCount type="Integer" value="1"/>
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0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
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0596	<ProtocolVersion>
0597	<ProtocolVersionMajor type="Integer" value="1"/>
0598	<ProtocolVersionMinor type="Integer" value="2"/>
0599	</ProtocolVersion>
0600	<BatchCount type="Integer" value="1"/>
0601	</RequestHeader>
0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
0605	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="2"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString" value="1778963e51b52027aaa0"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0631	<CryptographicLength type="Integer" value="80"/>

0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
# TIME 14	
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
0641	<ProtocolVersionMinor type="Integer" value="2"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

303

### 304 3.12.4 SKFF-O-4-12

305 Create, Destroy DES3-112

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>

0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="112"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>

```

0064 <ResponseHeader>
0065   <ProtocolVersion>
0066     <ProtocolVersionMajor type="Integer" value="1"/>
0067     <ProtocolVersionMinor type="Integer" value="2"/>
0068   </ProtocolVersion>
0069   <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070   <BatchCount type="Integer" value="1"/>
0071 </ResponseHeader>
0072 <BatchItem>
0073   <Operation type="Enumeration" value="Destroy"/>
0074   <ResultStatus type="Enumeration" value="Success"/>
0075   <ResponsePayload>
0076     <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0077   </ResponsePayload>
0078 </BatchItem>
0079 </ResponseMessage>

```

306

### 307 3.12.5 SKFF-O-5-12

308 Create, Locate, Get, Destroy, Locate DES3-112

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Name"/>
0016           <AttributeValue>
0017             <NameValue type="TextString" value="SKFF-O-5-12"/>
0018             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0019           </AttributeValue>
0020         </Attribute>
0021         <Attribute>
0022           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0023           <AttributeValue type="Enumeration" value="DES3"/>
0024         </Attribute>
0025         <Attribute>
0026           <AttributeName type="TextString" value="Cryptographic
Length"/>
0027           <AttributeValue type="Integer" value="112"/>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>

```

0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-5-12"/>
0078	<NameType type="Enumeration" value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>

```

0085 <ResponseHeader>
0086   <ProtocolVersion>
0087     <ProtocolVersionMajor type="Integer" value="1"/>
0088     <ProtocolVersionMinor type="Integer" value="2"/>
0089   </ProtocolVersion>
0090   <TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091   <BatchCount type="Integer" value="1"/>
0092 </ResponseHeader>
0093 <BatchItem>
0094   <Operation type="Enumeration" value="Locate"/>
0095   <ResultStatus type="Enumeration" value="Success"/>
0096   <ResponsePayload>
0097     <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0098   </ResponsePayload>
0099 </BatchItem>
0100 </ResponseMessage>

# TIME 2
0101 <RequestMessage>
0102   <RequestHeader>
0103     <ProtocolVersion>
0104       <ProtocolVersionMajor type="Integer" value="1"/>
0105       <ProtocolVersionMinor type="Integer" value="2"/>
0106     </ProtocolVersion>
0107     <BatchCount type="Integer" value="1"/>
0108   </RequestHeader>
0109   <BatchItem>
0110     <Operation type="Enumeration" value="Get"/>
0111     <RequestPayload>
0112       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0113     </RequestPayload>
0114   </BatchItem>
0115 </RequestMessage>

0116 <ResponseMessage>
0117   <ResponseHeader>
0118     <ProtocolVersion>
0119       <ProtocolVersionMajor type="Integer" value="1"/>
0120       <ProtocolVersionMinor type="Integer" value="2"/>
0121     </ProtocolVersion>
0122     <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123     <BatchCount type="Integer" value="1"/>
0124   </ResponseHeader>
0125   <BatchItem>
0126     <Operation type="Enumeration" value="Get"/>
0127     <ResultStatus type="Enumeration" value="Success"/>
0128     <ResponsePayload>
0129       <ObjectType type="Enumeration" value="SymmetricKey"/>
0130       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0131       <SymmetricKey>
0132         <KeyBlock>
0133           <KeyFormatType type="Enumeration" value="Raw"/>
0134           <KeyValue>
0135             <KeyMaterial type="ByteString"
value="370edc5897b0e957686ebad5c140a40e"/>
0136           </KeyValue>
0137         </KeyBlock>
0137       </SymmetricKey>
0137     </ResponsePayload>
0137     <CryptographicAlgorithm type="Enumeration" value="DES3"/>

```

0138	<CryptographicLength type="Integer" value="112"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>

0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

309

### 310 3.12.6 SKFF-O-6-12

311 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="112"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-O-6-12"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	</Attribute>



0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1 <RequestMessage>
0056	<RequestHeader>
0057	<ProtocolVersion>
0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="2"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="2"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>

0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
	# TIME 2
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="2"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="2"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="2"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="2"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
0161	# TIME 4 <RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-6-12"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="2"/>

0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="2"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="100129b96802a2152aa8d9fb54ec1f83"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="112"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>

0244	</BatchItem>
0245	</ResponseMessage>
	# TIME 6
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="2"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01- 01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="2"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
	# TIME 7
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
0285	<ProtocolVersionMajor type="Integer" value="1"/>
0286	<ProtocolVersionMinor type="Integer" value="2"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>

0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="2"/>
0303	</ProtocolVersion>
0304	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
0319	# TIME 8 <RequestMessage>
0320	<RequestHeader>
0321	<ProtocolVersion>
0322	<ProtocolVersionMajor type="Integer" value="1"/>
0323	<ProtocolVersionMinor type="Integer" value="2"/>
0324	</ProtocolVersion>
0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="2"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>

0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
0351	Algorithm"/> <AttributeName type="TextString" value="Cryptographic
0352	Length"/>
0353	<AttributeName type="TextString" value="Activation Date"/>
0354	<AttributeName type="TextString" value="Compromise Date"/>
0355	<AttributeName type="TextString" value="Compromise Occurrence
0356	Date"/> <AttributeName type="TextString" value="Cryptographic Usage
0357	Mask"/>
0358	<AttributeName type="TextString" value="Digest"/>
0359	<AttributeName type="TextString" value="Fresh"/>
0360	<AttributeName type="TextString" value="Initial Date"/>
0361	<AttributeName type="TextString" value="Last Change Date"/>
0362	<AttributeName type="TextString" value="Lease Time"/>
0363	<AttributeName type="TextString" value="Name"/>
0364	<AttributeName type="TextString" value="Original Creation
0365	Date"/>
0366	<AttributeName type="TextString" value="Revocation Reason"/>
0367	<AttributeName type="TextString" value="State"/> </ResponsePayload> </BatchItem> </ResponseMessage>
0368	# TIME 9 <RequestMessage>
0369	<RequestHeader>
0370	<ProtocolVersion>
0371	<ProtocolVersionMajor type="Integer" value="1"/>
0372	<ProtocolVersionMinor type="Integer" value="2"/>
0373	</ProtocolVersion>
0374	<BatchCount type="Integer" value="1"/>
0375	</RequestHeader>
0376	<BatchItem>
0377	<Operation type="Enumeration" value="GetAttributes"/>
0378	<RequestPayload>
0379	<UniqueIdentifier type="TextString"
0380	value="\$UNIQUE_IDENTIFIER_0"/>
0381	<AttributeName type="TextString" value="State"/>
0382	</RequestPayload>
0383	</BatchItem> </RequestMessage>
0384	<ResponseMessage>
0385	<ResponseHeader>
0386	<ProtocolVersion>
0387	<ProtocolVersionMajor type="Integer" value="1"/>
0388	<ProtocolVersionMinor type="Integer" value="2"/>
0389	</ProtocolVersion>
0390	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0391	<BatchCount type="Integer" value="1"/>
0392	</ResponseHeader>
0393	<BatchItem>
0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
0396	<ResponsePayload>
0397	<UniqueIdentifier type="TextString"
0398	value="\$UNIQUE_IDENTIFIER_0"/> <Attribute>

0399	<AttributeName type="TextString" value="State"/>
0400	<AttributeValue type="Enumeration" value="Compromised"/>
0401	</Attribute>
0402	</ResponsePayload>
0403	</BatchItem>
0404	</ResponseMessage>
# TIME 10	
0405	<RequestMessage>
0406	<RequestHeader>
0407	<ProtocolVersion>
0408	<ProtocolVersionMajor type="Integer" value="1"/>
0409	<ProtocolVersionMinor type="Integer" value="2"/>
0410	</ProtocolVersion>
0411	<BatchCount type="Integer" value="2"/>
0412	</RequestHeader>
0413	<BatchItem>
0414	<Operation type="Enumeration" value="AddAttribute"/>
0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0416	<RequestPayload>
0417	<UniqueIdentifier type="TextString"
0418	value="\$UNIQUE_IDENTIFIER_0"/>
0419	<Attribute>
0420	<AttributeName type="TextString" value="x-attribute1"/>
0421	<AttributeValue type="TextString" value="Value1"/>
0422	</Attribute>
0423	</RequestPayload>
0424	</BatchItem>
0425	<BatchItem>
0426	<Operation type="Enumeration" value="AddAttribute"/>
0427	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0428	<RequestPayload>
0429	<UniqueIdentifier type="TextString"
0430	value="\$UNIQUE_IDENTIFIER_0"/>
0431	<Attribute>
0432	<AttributeName type="TextString" value="x-attribute2"/>
0433	<AttributeValue type="TextString" value="Value2"/>
0434	</Attribute>
0435	</RequestPayload>
0436	</BatchItem>
0437	</RequestMessage>
0438	<ResponseMessage>
0439	<ResponseHeader>
0440	<ProtocolVersion>
0441	<ProtocolVersionMajor type="Integer" value="1"/>
0442	<ProtocolVersionMinor type="Integer" value="2"/>
0443	</ProtocolVersion>
0444	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0445	<BatchCount type="Integer" value="2"/>
0446	</ResponseHeader>
0447	<BatchItem>
0448	<Operation type="Enumeration" value="AddAttribute"/>
0449	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0450	<ResultStatus type="Enumeration" value="Success"/>
0451	<ResponsePayload>
0452	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	<Attribute>
	<AttributeName type="TextString" value="x-attribute1"/>



0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>
0455	</ResponsePayload>
0456	</BatchItem>
0457	<BatchItem>
0458	<Operation type="Enumeration" value="AddAttribute"/>
0459	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460	<ResultStatus type="Enumeration" value="Success"/>
0461	<ResponsePayload>
0462	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0463	<Attribute>
0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
0467	</ResponsePayload>
0468	</BatchItem>
0469	</ResponseMessage>
	# TIME 11
0470	<RequestMessage>
0471	<RequestHeader>
0472	<ProtocolVersion>
0473	<ProtocolVersionMajor type="Integer" value="1"/>
0474	<ProtocolVersionMinor type="Integer" value="2"/>
0475	</ProtocolVersion>
0476	<BatchCount type="Integer" value="2"/>
0477	</RequestHeader>
0478	<BatchItem>
0479	<Operation type="Enumeration" value="ModifyAttribute"/>
0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481	<RequestPayload>
0482	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
0487	</RequestPayload>
0488	</BatchItem>
0489	<BatchItem>
0490	<Operation type="Enumeration" value="ModifyAttribute"/>
0491	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0492	<RequestPayload>
0493	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0494	<Attribute>
0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
0497	</Attribute>
0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
0502	<ResponseHeader>
0503	<ProtocolVersion>
0504	<ProtocolVersionMajor type="Integer" value="1"/>
0505	<ProtocolVersionMinor type="Integer" value="2"/>
0506	</ProtocolVersion>

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0507     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0508     <BatchCount type="Integer" value="2"/>
0509 </ResponseHeader>
0510 <BatchItem>
0511     <Operation type="Enumeration" value="ModifyAttribute"/>
0512     <UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513     <ResultStatus type="Enumeration" value="Success"/>
0514     <ResponsePayload>
0515         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0516         <Attribute>
0517             <AttributeName type="TextString" value="x-attribute1"/>
0518             <AttributeValue type="TextString" value="ModifiedValue1"/>
0519         </Attribute>
0520     </ResponsePayload>
0521 </BatchItem>
0522 <BatchItem>
0523     <Operation type="Enumeration" value="ModifyAttribute"/>
0524     <UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0525     <ResultStatus type="Enumeration" value="Success"/>
0526     <ResponsePayload>
0527         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0528         <Attribute>
0529             <AttributeName type="TextString" value="x-attribute2"/>
0530             <AttributeValue type="TextString" value="ModifiedValue2"/>
0531         </Attribute>
0532     </ResponsePayload>
0533 </BatchItem>
0534 </ResponseMessage>
# TIME 12
0535 <RequestMessage>
0536 <RequestHeader>
0537     <ProtocolVersion>
0538         <ProtocolVersionMajor type="Integer" value="1"/>
0539         <ProtocolVersionMinor type="Integer" value="2"/>
0540     </ProtocolVersion>
0541     <BatchCount type="Integer" value="2"/>
0542 </RequestHeader>
0543 <BatchItem>
0544     <Operation type="Enumeration" value="DeleteAttribute"/>
0545     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546     <RequestPayload>
0547         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0548         <AttributeName type="TextString" value="x-attribute1"/>
0549     </RequestPayload>
0550 </BatchItem>
0551 <BatchItem>
0552     <Operation type="Enumeration" value="DeleteAttribute"/>
0553     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0554     <RequestPayload>
0555         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0556         <AttributeName type="TextString" value="x-attribute2"/>
0557     </RequestPayload>
0558 </BatchItem>
0559 </RequestMessage>

```

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0560 <ResponseMessage>
0561   <ResponseHeader>
0562     <ProtocolVersion>
0563       <ProtocolVersionMajor type="Integer" value="1"/>
0564       <ProtocolVersionMinor type="Integer" value="2"/>
0565     </ProtocolVersion>
0566     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0567     <BatchCount type="Integer" value="2"/>
0568   </ResponseHeader>
0569   <BatchItem>
0570     <Operation type="Enumeration" value="DeleteAttribute"/>
0571     <UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0572     <ResultStatus type="Enumeration" value="Success"/>
0573     <ResponsePayload>
0574       <UniqueIdentifier type="TextString"
0575 value="$UNIQUE_IDENTIFIER_0"/>
0576       <Attribute>
0577         <AttributeName type="TextString" value="x-attribute1"/>
0578         <AttributeValue type="TextString" value="ModifiedValue1"/>
0579       </Attribute>
0580     </ResponsePayload>
0581   </BatchItem>
0582   <BatchItem>
0583     <Operation type="Enumeration" value="DeleteAttribute"/>
0584     <UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0585     <ResultStatus type="Enumeration" value="Success"/>
0586     <ResponsePayload>
0587       <UniqueIdentifier type="TextString"
0588 value="$UNIQUE_IDENTIFIER_0"/>
0589       <Attribute>
0590         <AttributeName type="TextString" value="x-attribute2"/>
0591         <AttributeValue type="TextString" value="ModifiedValue2"/>
0592       </Attribute>
0593     </ResponsePayload>
0594   </BatchItem>
0595 </ResponseMessage>
# TIME 13
0594 <RequestMessage>
0595   <RequestHeader>
0596     <ProtocolVersion>
0597       <ProtocolVersionMajor type="Integer" value="1"/>
0598       <ProtocolVersionMinor type="Integer" value="2"/>
0599     </ProtocolVersion>
0600     <BatchCount type="Integer" value="1"/>
0601   </RequestHeader>
0602   <BatchItem>
0603     <Operation type="Enumeration" value="Get"/>
0604     <RequestPayload>
0605       <UniqueIdentifier type="TextString"
0606 value="$UNIQUE_IDENTIFIER_0"/>
0607     </RequestPayload>
0608   </BatchItem>
0609 </RequestMessage>
0609 <ResponseMessage>
0610   <ResponseHeader>
0611     <ProtocolVersion>
0612       <ProtocolVersionMajor type="Integer" value="1"/>
0613       <ProtocolVersionMinor type="Integer" value="2"/>

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0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString" value="100129b96802a2152aa8d9fb54ec1f83"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0631	<CryptographicLength type="Integer" value="112"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
	<i># TIME 14</i>
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
0641	<ProtocolVersionMinor type="Integer" value="2"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>

0667	</BatchItem>
0668	</ResponseMessage>

312

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## 313 4 Conformance

### 314 4.1 Basic Symmetric Key Foundry Client KMIP v1.0 Profile 315 Conformance

316 KMIP client implementations conformant to this profile:

- 317 1. Shall support the Authentication Suite conditions (2.1) and;
- 318 2. Shall support the Basic Symmetric Key Foundry (FIPS140) Client Profile conditions (2.2) and;
- 319 3. Shall support at least one of the Mandatory Test Cases KMIP v1.0 - Basic (3.1).

### 320 4.2 Intermediate Symmetric Key Foundry Client KMIP v1.0 321 ProfileConformance

322 KMIP client implementations conformant to this profile:

- 323 1. Shall support the Authentication Suite conditions (2.1) and;
- 324 2. Shall support the Intermediate Symmetric Key Foundry (FIPS140) Client Profile conditions (2.3)  
325 and;
- 326 3. Shall support at least one of the Mandatory Test Cases KMIP v1.0 – Intermediate (3.2).

### 327 4.3 Advanced Symmetric Key Foundry Client KMIP v1.0 Profile 328 Conformance

329 KMIP client implementations conformant to this profile:

- 330 1. Shall support the Authentication Suite conditions (2.1) and;
- 331 2. Shall support the Advanced Symmetric Key Foundry (FIPS140) Client Profile conditions (2.4)  
332 and;
- 333 3. Shall support at least one of the Mandatory Test Cases KMIP v1.0 – Advanced (3.3).

### 334 4.4 Basic Symmetric Key Foundry Client KMIP v1.1 Profile 335 Conformance

336 KMIP client implementations conformant to this profile:

- 337 1. Shall support the Authentication Suite conditions (2.1) and;
- 338 2. Shall support the Basic Symmetric Key Foundry (FIPS140) Client Profile conditions (2.2) and;
- 339 3. Shall support at least one of the Mandatory Test Cases KMIP v1.1 - Basic (3.4)

### 340 4.5 Intermediate Symmetric Key Foundry Client KMIP v1.1 Profile 341 Conformance

342 KMIP client implementations conformant to this profile:

- 343 1. Shall support the Authentication Suite conditions (2.1) and;
- 344 2. Shall support the Intermediate Symmetric Key Foundry (FIPS140) Client Profile conditions (2.3)  
345 and;
- 346 3. Shall support at least one of the Mandatory Test Cases KMIP v1.1 - Intermediate (3.5)

347 **4.6 Advanced Symmetric Key Foundry Client KMIP v1.1 Profile**  
348 **Conformance**

349 KMIP client implementations conformant to this profile:

- 350 1. Shall support the Authentication Suite conditions (2.1) and;
- 351 2. Shall support the Advanced Symmetric Key Foundry (FIPS140) Client Profile conditions (2.4)
- 352 and;
- 353 3. Shall support at least one of the Mandatory Test Cases KMIP v1.1 - Advanced (3.6)

354 **4.7 Basic Symmetric Key Foundry Client KMIP v1.2 Profile**  
355 **Conformance**

356 KMIP client implementations conformant to this profile:

- 357 1. Shall support the Authentication Suite conditions (2.1) and;
- 358 2. Shall support the Basic Symmetric Key Foundry (FIPS140) Client Profile conditions (2.2) and;
- 359 3. Shall support at least one of the Mandatory Test Cases KMIP v1.2 - Basic (3.7)

360 **4.8 Intermediate Symmetric Key Foundry Client KMIP v1.2 Profile**  
361 **Conformance**

362 KMIP client implementations conformant to this profile:

- 363 1. Shall support the Authentication Suite conditions (2.1) and;
- 364 2. Shall support the Intermediate Symmetric Key Foundry (FIPS140) Client Profile conditions (2.3)
- 365 and;
- 366 3. Shall support at least one of the Mandatory Test Cases KMIP v1.2 - Intermediate (3.8)

367 **4.9 Advanced Symmetric Key Foundry Client KMIP v1.2 Profile**  
368 **Conformance**

369 KMIP client implementations conformant to this profile:

- 370 1. Shall support the Authentication Suite conditions (2.1) and;
- 371 2. Shall support the Advanced Symmetric Key Foundry (FIPS140) Client Profile conditions (2.4)
- 372 and;
- 373 3. Shall support at least one of the Mandatory Test Cases KMIP v1.2 - Advanced (3.9)

374 **4.10 Symmetric Key Foundry Server KMIP v1.0 Conformance**

375 KMIP server implementations conformant to this profile:

- 376 1. Shall support the Authentication Suite conditions (2.1) and;
- 377 2. Shall support the Symmetric Key Foundry (FIPS140) Server Profile conditions (2.5) and;
- 378 3. Shall support all Mandatory Test Cases KMIP v1.0 - Basic (3.1) and;
- 379 4. Shall support all Mandatory Test Cases KMIP v1.0 – Intermediate (3.2) and;
- 380 5. Shall support all Mandatory Test Cases KMIP v1.0 – Advanced (3.3).

381 **4.11 Symmetric Key Foundry Server KMIP v1.1 Conformance**

382 KMIP server implementations conformant to this profile:

- 383 1. Shall support the Authentication Suite conditions (2.1) and;
- 384 2. Shall support the Symmetric Key Foundry (FIPS140) Server Profile conditions (2.5) and;

- 385 3. Shall support all Mandatory Test Cases KMIP v1.1 - Basic (3.4) and;  
386 4. Shall support all Mandatory Test Cases KMIP v1.1 - Intermediate (3.5) and;  
387 5. Shall support all Mandatory Test Cases KMIP v1.1 - Advanced (3.6).

## 388 4.12 Symmetric Key Foundry Server KMIP v1.2 Conformance

389 KMIP server implementations conformant to this profile:

- 390 1. Shall support the Authentication Suite conditions (2.1) and;  
391 2. Shall support the Symmetric Key Foundry (FIPS140) Server Profile conditions (2.5) and;  
392 3. Shall support all Mandatory Test Cases KMIP v1.2 - Basic (3.7) and;  
393 4. Shall support all Mandatory Test Cases KMIP v1.2 - Intermediate (3.8) and;  
394 5. Shall support all Mandatory Test Cases KMIP v1.2 - Advanced (3.9).

## 395 4.13 Permitted Test Case Variations

396 Whilst the test cases provided in this Profile define the allowed request and response content, some  
397 inherent variations MAY occur and are permitted within a successfully completed test case.

398 Each test case MAY include allowed variations in the description of the test case in addition to the  
399 variations noted in this section.

400 Other variations not explicitly noted in this Profile SHALL be deemed non-conformant.

### 401 4.13.1 Variable Items

402 An implementation conformant to this Profile MAY vary the following values:

- 403 1. UniqueIdentifier  
404 2. PrivateKeyUniqueIdentifier  
405 3. PublicKeyUniqueIdentifier  
406 4. UniqueBatchItemIdentifier  
407 5. AsynchronousCorrelationValue  
408 6. TimeStamp  
409 7. KeyValue / KeyMaterial including:  
410 a. key material content returned for managed cryptographic objects which are generated by  
411 the server  
412 b. wrapped versions of keys where the wrapping key is dynamic or the wrapping contains  
413 variable output for each wrap operation  
414 8. For response containing the output of cryptographic operation in Data / SignatureData/ MACData  
415 / IVCounterNonce where:  
416 a. the managed object is generated by the server; or  
417 b. the operation inherently contains variable output  
418 9. For the following DateTime attributes where the value is not specified in the request as a fixed  
419 DateTime value:  
420 a. ActivationDate  
421 b. ArchiveDate  
422 c. CompromiseDate  
423 d. CompromiseOccurrenceDate  
424 e. DeactivationDate  
425 f. DestroyDate



- 426 g. InitialDate
- 427 h. LastChangeDate
- 428 i. ProtectStartDate
- 429 j. ProcessStopDate
- 430 k. ValidityDate
- 431 l. OriginalCreationDate
- 432 10. LinkedObjectIdentifier
- 433 11. DigestValue
  - 434 a. For those managed cryptographic objects which are dynamically generated
- 435 12. KeyFormatType
  - 436 a. The key format type selected by the server when it creates managed objects
- 437 13. Digest
  - 438 a. The HashingAlgorithm selected by the server when it calculates the digest for a managed
  - 439 object for which it has access to the key material
  - 440 b. The Digest Value
- 441 14. Extensions reported in Query for ExtensionList and ExtensionMap
- 442 15. Application Namespaces reported in Query
- 443 16. Object Types reported in Query other than those noted as required in this profile
- 444 17. Operation Types reported in Query other than those noted as required in this profile (or any
- 445 referenced profile documents)
- 446 18. For TextString attribute values containing test identifiers:
  - 447 a. Additional vendor or application prefixes
- 448 19. Additional attributes beyond those noted in the response

449  
450 An implementation conformant to this Profile MAY allow the following response variations:

- 451 20. Object Group values – May or may not return one or more Object Group values not included in
- 452 the requests
- 453 21. y-CustomAttributes – May or may not include additional server-specific associated attributes not
- 454 included in requests
- 455 22. Message Extensions – May or may not include additional (non-critical) vendor extensions
- 456 23. TemplateAttribute – May or may not be included in responses where the Template Attribute
- 457 response is noted as optional in [KMIP-SPEC]
- 458 24. AttributeIndex – May or may not include Attribute Index value where the Attribute Index value is 0
- 459 for Protocol Versions 1.1 and above.
- 460 25. ResultMessage – May or may not be included in responses and the value (if included) may vary
- 461 from the text contained within the test case.
- 462 26. The list of Protocol Versions returned in a DiscoverVersion response may include additional
- 463 protocol versions if the request has not specified a list of client supported Protocol Versions.
- 464 27. VendorIdentification - The value (if included) may vary from the text contained within the test
- 465 case.

## 466 **4.13.2 Variable behavior**

467 An implementation conformant to this Profile SHALL allow variation of the following behavior:

- 468  
469  
470
1. A test MAY omit the clean-up requests and responses (containing Revoke and/or Destroy) at the end of the test provided there is a separate mechanism to remove the created objects during testing.
- 471  
472
2. A test MAY omit the test identifiers if the client is unable to include them in requests. This includes the following attributes:
    - 473 a. Name; and
    - 474 b. x-ID
- 475  
476
3. A test MAY perform requests with multiple batch items or as multiple requests with a single batch item provided the sequence of operations are equivalent
- 477  
478
4. A request MAY contain an optional *Authentication* [KMIP\_SPEC] structure within each request

---

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## Appendix B. KMIP Specification Cross Reference

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
<b>1 Introduction</b>			
<i>Non-Normative References</i>	1.3.	1.3.	1.3.
<i>Normative References</i>	1.2.	1.2.	1.2.
<i>Terminology</i>	1.1.	1.1.	1.1.
<b>2 Objects</b>			
<i>Attribute</i>	2.1.1.	2.1.1.	2.1.1.
<i>Base Objects</i>	2.1.	2.1.	2.1.
<i>Certificate</i>	2.2.1.	2.2.1.	2.2.1.
<i>Credential</i>	2.1.2.	2.1.2.	2.1.2.
<i>Data</i>	-	-	2.1.10.
<i>Data Length</i>	-	-	2.1.11.
<i>Extension Information</i>	-	2.1.9.	2.1.9.
<i>Key Block</i>	2.1.3.	2.1.3.	2.1.3.
<i>Key Value</i>	2.1.4.	2.1.4.	2.1.4.
<i>Key Wrapping Data</i>	2.1.5.	2.1.5.	2.1.5.
<i>Key Wrapping Specification</i>	2.1.6.	2.1.6.	2.1.6.
<i>MAC Data</i>	-	-	2.1.13.
<i>Managed Objects</i>	2.2.	2.2.	2.2.
<i>Nonce</i>	-	-	2.1.14.
<i>Opaque Object</i>	2.2.8.	2.2.8.	2.2.8.
<i>PGP Key</i>	-	-	2.2.9.
<i>Private Key</i>	2.2.4.	2.2.4.	2.2.4.
<i>Public Key</i>	2.2.3.	2.2.3.	2.2.3.
<i>Secret Data</i>	2.2.7.	2.2.7.	2.2.7.
<i>Signature Data</i>	-	-	2.1.12.
<i>Split Key</i>	2.2.5.	2.2.5.	2.2.5.
<i>Symmetric Key</i>	2.2.2.	2.2.2.	2.2.2.
<i>Template</i>	2.2.6.	2.2.6.	2.2.6.
<i>Template-Attribute Structures</i>	2.1.8.	2.1.8.	2.1.8.
<i>Transparent DH Private Key</i>	2.1.7.6.	2.1.7.6.	2.1.7.6.
<i>Transparent DH Public Key</i>	2.1.7.7.	2.1.7.7.	2.1.7.7.
<i>Transparent DSA Private Key</i>	2.1.7.2.	2.1.7.2.	2.1.7.2.
<i>Transparent DSA Public Key</i>	2.1.7.3.	2.1.7.3.	2.1.7.3.
<i>Transparent ECDH Private Key</i>	2.1.7.10.	2.1.7.10.	2.1.7.10.
<i>Transparent ECDH Public Key</i>	2.1.7.11.	2.1.7.11.	2.1.7.11.
<i>Transparent ECDSA Private Key</i>	2.1.7.8.	2.1.7.8.	2.1.7.8.
<i>Transparent ECDSA Public Key</i>	2.1.7.9.	2.1.7.9.	2.1.7.9.
<i>Transparent ECMQV Private Key</i>	2.1.7.12.	2.1.7.12.	2.1.7.12.
<i>Transparent ECMQV Public Key</i>	2.1.7.13.	2.1.7.13.	2.1.7.13.
<i>Transparent Key Structures</i>	2.1.7.	2.1.7.	2.1.7.
<i>Transparent RSA Private Key</i>	2.1.7.4.	2.1.7.4.	2.1.7.4.
<i>Transparent RSA Public Key</i>	2.1.7.5.	2.1.7.5.	2.1.7.5.
<i>Transparent Symmetric Key</i>	2.1.7.1.	2.1.7.1.	2.1.7.1.
<b>3 Attributes</b>			
<i>Activation Date</i>	3.19.	3.24.	3.24.
<i>Alternative Name</i>	-	-	3.40.
<i>Application Specific Information</i>	3.30.	3.36.	3.36.
<i>Archive Date</i>	3.27.	3.32.	3.32.

<b>Reference Term</b>	<b>KMIP 1.0</b>	<b>KMIP 1.1</b>	<b>KMIP 1.2</b>
<i>Attributes</i>	3	3	3
<i>Certificate Identifier</i>	3.9.	3.13.	3.13.
<i>Certificate Issuer</i>	3.11.	3.15.	3.15.
<i>Certificate Length</i>	-	3.9.	3.9.
<i>Certificate Subject</i>	3.10.	3.14.	3.14.
<i>Certificate Type</i>	3.8.	3.8.	3.8.
<i>Compromise Date</i>	3.25.	3.30.	3.30.
<i>Compromise Occurrence Date</i>	3.24.	3.29.	3.29.
<i>Contact Information</i>	3.31.	3.37.	3.37.
<i>Cryptographic Algorithm</i>	3.4.	3.4.	3.4.
<i>Cryptographic Domain Parameters</i>	3.7.	3.7.	3.7.
<i>Cryptographic Length</i>	3.5.	3.5.	3.5.
<i>Cryptographic Parameters</i>	3.6.	3.6.	3.6.
<i>Custom Attribute</i>	3.33.	3.39.	3.39.
<i>Deactivation Date</i>	3.22.	3.27.	3.27.
<i>Default Operation Policy</i>	3.13.2.	3.18.2.	3.18.2.
<i>Default Operation Policy for Certificates and Public Key Objects</i>	3.13.2.2.	3.18.2.2.	3.18.2.2.
<i>Default Operation Policy for Secret Objects</i>	3.13.2.1.	3.18.2.1.	3.18.2.1.
<i>Default Operation Policy for Template Objects</i>	3.13.2.3.	3.18.2.3.	3.18.2.3.
<i>Destroy Date</i>	3.23.	3.28.	3.28.
<i>Digest</i>	3.12.	3.17.	3.17.
<i>Digital Signature Algorithm</i>	-	3.16.	3.16.
<i>Fresh</i>	-	3.34.	3.34.
<i>Initial Date</i>	3.18.	3.23.	3.23.
<i>Key Value Location</i>	-	-	3.42.
<i>Key Value Present</i>	-	-	3.41.
<i>Last Change Date</i>	3.32.	3.38.	3.38.
<i>Lease Time</i>	3.15.	3.20.	3.20.
<i>Link</i>	3.29.	3.35.	3.35.
<i>Name</i>	3.2.	3.2.	3.2.
<i>Object Group</i>	3.28.	3.33.	3.33.
<i>Object Type</i>	3.3.	3.3.	3.3.
<i>Operation Policy Name</i>	3.13.	3.18.	3.18.
<i>Operations outside of operation policy control</i>	3.13.1.	3.18.1.	3.18.1.
<i>Original Creation Date</i>	-	-	3.43.
<i>Process Start Date</i>	3.20.	3.25.	3.25.
<i>Protect Stop Date</i>	3.21.	3.26.	3.26.
<i>Revocation Reason</i>	3.26.	3.31.	3.31.
<i>State</i>	3.17.	3.22.	3.22.
<i>Unique Identifier</i>	3.1.	3.1.	3.1.
<i>Usage Limits</i>	3.16.	3.21.	3.21.
<i>X.509 Certificate Identifier</i>	-	3.10.	3.10.
<i>X.509 Certificate Issuer</i>	-	3.12.	3.12.
<i>X.509 Certificate Subject</i>	-	3.11.	3.11.
<b>4 Client-to-Server Operations</b>			
<i>Activate</i>	4.18.	4.19.	4.19.
<i>Add Attribute</i>	4.13.	4.14.	4.14.
<i>Archive</i>	4.21.	4.22.	4.22.
<i>Cancel</i>	4.25.	4.27.	4.27.
<i>Certify</i>	4.6.	4.7.	4.7.
<i>Check</i>	4.9.	4.10.	4.10.
<i>Create</i>	4.1.	4.1.	4.1.
<i>Create Key Pair</i>	4.2.	4.2.	4.2.

<b>Reference Term</b>	<b>KMIP 1.0</b>	<b>KMIP 1.1</b>	<b>KMIP 1.2</b>
<i>Create Split Key</i>	-	-	4.38.
<i>Decrypt</i>	-	-	4.30.
<i>Delete Attribute</i>	4.15.	4.16.	4.16.
<i>Derive Key</i>	4.5.	4.6.	4.6.
<i>Destroy</i>	4.20.	4.21.	4.21.
<i>Discover Versions</i>	-	4.26.	4.26.
<i>Encrypt</i>	-	-	4.29.
<i>Get</i>	4.10.	4.11.	4.11.
<i>Get Attribute List</i>	4.12.	4.13.	4.13.
<i>Get Attributes</i>	4.11.	4.12.	4.12.
<i>Get Usage Allocation</i>	4.17.	4.18.	4.18.
<i>Hash</i>	-	-	4.37.
<i>Join Split Key</i>	-	-	4.39.
<i>Locate</i>	4.8.	4.9.	4.9.
<i>MAC</i>	-	-	4.33.
<i>MAC Verify</i>	-	-	4.34.
<i>Modify Attribute</i>	4.14.	4.15.	4.15.
<i>Obtain Lease</i>	4.16.	4.17.	4.17.
<i>Poll</i>	4.26.	4.28.	4.28.
<i>Query</i>	4.24.	4.25.	4.25.
<i>Re-certify</i>	4.7.	4.8.	4.8.
<i>Recover</i>	4.22.	4.23.	4.23.
<i>Register</i>	4.3.	4.3.	4.3.
<i>Re-key</i>	4.4.	4.4.	4.4.
<i>Re-key Key Pair</i>	-	4.5.	4.5.
<i>Revoke</i>	4.19.	4.20.	4.20.
<i>RNG Retrieve</i>	-	-	4.35.
<i>RNG Seed</i>	-	-	4.36.
<i>Sign</i>	-	-	4.31.
<i>Signature Verify</i>	-	-	4.32.
<i>Validate</i>	4.23.	4.24.	4.24.
<b>5 Server-to-Client Operations</b>			
<i>Notify</i>	5.1.	5.1.	5.1.
<i>Put</i>	5.2.	5.2.	5.2.
<b>6 Message Contents</b>			
<i>Asynchronous Correlation Value</i>	6.8.	6.8.	6.8.
<i>Asynchronous Indicator</i>	6.7.	6.7.	6.7.
<i>Attestation Capable Indicator</i>	-	-	6.17.
<i>Batch Count</i>	6.14.	6.14.	6.14.
<i>Batch Error Continuation Option</i>	6.13.	6.13.	6.13.
<i>Batch Item</i>	6.15.	6.15.	6.15.
<i>Batch Order Option</i>	6.12.	6.12.	6.12.
<i>Maximum Response Size</i>	6.3.	6.3.	6.3.
<i>Message Extension</i>	6.16.	6.16.	6.16.
<i>Operation</i>	6.2.	6.2.	6.2.
<i>Protocol Version</i>	6.1.	6.1.	6.1.
<i>Result Message</i>	6.11.	6.11.	6.11.
<i>Result Reason</i>	6.10.	6.10.	6.10.
<i>Result Status</i>	6.9.	6.9.	6.9.
<i>Time Stamp</i>	6.5.	6.5.	6.5.
<i>Unique Batch Item ID</i>	6.4.	6.4.	6.4.
<b>7 Message Format</b>			



<b>Reference Term</b>	<b>KMIP 1.0</b>	<b>KMIP 1.1</b>	<b>KMIP 1.2</b>
<i>Message Structure</i>	7.1.	7.1.	7.1.
<i>Operations</i>	7.2.	7.2.	7.2.
<b>8 Authentication</b>			
<i>Authentication</i>	8	8	8
<b>9 Message Encoding</b>			
<i>Alternative Name Type Enumeration</i>	-	-	9.1.3.2.34.
<i>Attestation Type Enumeration</i>	-	-	9.1.3.2.36.
<i>Batch Error Continuation Option Enumeration</i>	9.1.3.2.29.	9.1.3.2.30.	9.1.3.2.30.
<i>Bit Masks</i>	9.1.3.3.	9.1.3.3.	9.1.3.3.
<i>Block Cipher Mode Enumeration</i>	9.1.3.2.13.	9.1.3.2.14.	9.1.3.2.14.
<i>Cancellation Result Enumeration</i>	9.1.3.2.24.	9.1.3.2.25.	9.1.3.2.25.
<i>Certificate Request Type Enumeration</i>	9.1.3.2.21.	9.1.3.2.22.	9.1.3.2.22.
<i>Certificate Type Enumeration</i>	9.1.3.2.6.	9.1.3.2.6.	9.1.3.2.6.
<i>Credential Type Enumeration</i>	9.1.3.2.1.	9.1.3.2.1.	9.1.3.2.1.
<i>Cryptographic Algorithm Enumeration</i>	9.1.3.2.12.	9.1.3.2.13.	9.1.3.2.13.
<i>Cryptographic Usage Mask</i>	9.1.3.3.1.	9.1.3.3.1.	9.1.3.3.1.
<i>Defined Values</i>	9.1.3.	9.1.3.	9.1.3.
<i>Derivation Method Enumeration</i>	9.1.3.2.20.	9.1.3.2.21.	9.1.3.2.21.
<i>Digital Signature Algorithm Enumeration</i>	-	9.1.3.2.7.	9.1.3.2.7.
<i>Encoding Option Enumeration</i>	-	9.1.3.2.32.	9.1.3.2.32.
<i>Enumerations</i>	9.1.3.2.	9.1.3.2.	9.1.3.2.
<i>Examples</i>	9.1.2.	9.1.2.	9.1.2.
<i>Hashing Algorithm Enumeration</i>	9.1.3.2.15.	9.1.3.2.16.	9.1.3.2.16.
<i>Item Length</i>	9.1.1.3.	9.1.1.3.	9.1.1.3.
<i>Item Tag</i>	9.1.1.1.	9.1.1.1.	9.1.1.1.
<i>Item Type</i>	9.1.1.2.	9.1.1.2.	9.1.1.2.
<i>Item Value</i>	9.1.1.4.	9.1.1.4.	9.1.1.4.
<i>Key Compression Type Enumeration</i>	9.1.3.2.2.	9.1.3.2.2.	9.1.3.2.2.
<i>Key Format Type Enumeration</i>	9.1.3.2.3.	9.1.3.2.3.	9.1.3.2.3.
<i>Key Role Type Enumeration</i>	9.1.3.2.16.	9.1.3.2.17.	9.1.3.2.17.
<i>Key Value Location Type Enumeration</i>	-	-	9.1.3.2.35.
<i>Link Type Enumeration</i>	9.1.3.2.19.	9.1.3.2.20.	9.1.3.2.20.
<i>Name Type Enumeration</i>	9.1.3.2.10.	9.1.3.2.11.	9.1.3.2.11.
<i>Object Group Member Enumeration</i>	-	9.1.3.2.33.	9.1.3.2.33.
<i>Object Type Enumeration</i>	9.1.3.2.11.	9.1.3.2.12.	9.1.3.2.12.
<i>Opaque Data Type Enumeration</i>	9.1.3.2.9.	9.1.3.2.10.	9.1.3.2.10.
<i>Operation Enumeration</i>	9.1.3.2.26.	9.1.3.2.27.	9.1.3.2.27.
<i>Padding Method Enumeration</i>	9.1.3.2.14.	9.1.3.2.15.	9.1.3.2.15.
<i>Put Function Enumeration</i>	9.1.3.2.25.	9.1.3.2.26.	9.1.3.2.26.
<i>Query Function Enumeration</i>	9.1.3.2.23.	9.1.3.2.24.	9.1.3.2.24.
<i>Recommended Curve Enumeration for ECDSA, ECDH, and ECMQV</i>	9.1.3.2.5.	9.1.3.2.5.	9.1.3.2.5.
<i>Result Reason Enumeration</i>	9.1.3.2.28.	9.1.3.2.29.	9.1.3.2.29.
<i>Result Status Enumeration</i>	9.1.3.2.27.	9.1.3.2.28.	9.1.3.2.28.
<i>Revocation Reason Code Enumeration</i>	9.1.3.2.18.	9.1.3.2.19.	9.1.3.2.19.
<i>Secret Data Type Enumeration</i>	9.1.3.2.8.	9.1.3.2.9.	9.1.3.2.9.
<i>Split Key Method Enumeration</i>	9.1.3.2.7.	9.1.3.2.8.	9.1.3.2.8.
<i>State Enumeration</i>	9.1.3.2.17.	9.1.3.2.18.	9.1.3.2.18.
<i>Storage Status Mask</i>	9.1.3.3.2.	9.1.3.3.2.	9.1.3.3.2.
<i>Tags</i>	9.1.3.1.	9.1.3.1.	9.1.3.1.
<i>TTLV Encoding</i>	9.1.	9.1.	9.1.
<i>TTLV Encoding Fields</i>	9.1.1.	9.1.1.	9.1.1.
<i>Usage Limits Unit Enumeration</i>	9.1.3.2.30.	9.1.3.2.31.	9.1.3.2.31.

<b>Reference Term</b>	<b>KMIP 1.0</b>	<b>KMIP 1.1</b>	<b>KMIP 1.2</b>
<i>Validity Indicator Enumeration</i>	9.1.3.2.22.	9.1.3.2.23.	9.1.3.2.23.
<i>Wrapping Method Enumeration</i>	9.1.3.2.4.	9.1.3.2.4.	9.1.3.2.4.
<i>XML Encoding</i>	9.2.	-	-
<b>10 Transport</b>			
<i>Transport</i>	10	10	10
<b>12 KMIP Server and Client Implementation Conformance</b>			
<i>Conformance clauses for a KMIP Server</i>	12.1.	-	-
<i>KMIP Client Implementation Conformance</i>	-	12.2.	12.2.
<i>KMIP Server Implementation Conformance</i>	-	12.1.	12.1.

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## Appendix C. Revision History

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Revision	Date	Editor	Changes Made
wd01	26-June-2013	Tim Hudson / Bob Lockhart	Updated conformance wording style. Updated test case style. Included test cases for 1.0, 1.1 and 1.2. Applied new OASIS template.
wd02	6-August-2013	Tim Hudson / Bob Lockhart	Updated to include Permitted Test Case Variations and updated Test Cases based on July 2013 Interop
wd02	10-August-2013	Tim Hudson	Updated Permitted Test Case Variations
wd03a	24-October- 2013	Tim Hudson	Editorial update to include VendorIdentification in the list of allowed variations as per TC motion.
pr01update	11-June-2015	Tim Hudson	Updated following Public Review

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