



IEC/TC OR SC:	SECRETARIAT:	DATE:
1	Russian Federation	

Please ensure this form is annexed to the Report to the Standardization Management Board if it has been prepared during a meeting, or sent to the Central Office promptly after its contents have been agreed by the committee.

### A TC 1, TERMINOLOGY

#### *Scope of TC 1:*

To oversee the development and permanent maintenance of the IEC 60050 series, i.e., the International Electrotechnical Vocabulary (IEV, also known as Electropedia, the "IEV Online", in reference to the website <http://www.electropedia.org/>) in accordance with its scope as defined below.

To develop and maintain the "General concepts" parts of the IEV.

To work with the other IEC committees (i.e. technical committees, subcommittees and systems committees )

- to provide methodological advice and assistance on all matters relating to IEC terminology, and
- to integrate their terms and definitions that fall within the scope in the IEV, and in so doing to ensure to the greatest extent possible the correctness of the result (e.g., that the IEV **terminological** entries are consistent with each other, that each concept is identified by a single preferred term and different concepts are identified by distinct terms, and that the structural principles on which the IEV is based and other rules specified in the IEC Supplement to the ISO/IEC Directives, Annex SK, are respected).

To work with the IEC Terminology Coordinator to support and coordinate IEC's activities relating to terminology and to ensuring that the IEV meets its goal.

#### *Scope of the IEV:*

The goal of the IEV is the standardization of the terms and definitions, in English and French, of internationally accepted concepts in all fields of activity of the IEC (as defined on <http://www.iec.ch/>). Owing to the fact that the fields of activity of the IEC evolve over time, the content of the IEV is reviewed and extended on an ongoing basis, e.g., to incorporate new fields of activity.

The IEV is "standardization-oriented", and its primary goal is to help the standards' writers to prepare standards, and the standards' users to understand and implement them. Secondly it is intended to be of use to the translators of technical texts, in technical literature, in teaching, in technical specifications and in commercial exchanges.

It is not intended to cover all the concepts used in the various IEC standards, and is not meant to be a treatise on electrical engineering, but is rather a general purpose vocabulary, giving

- the terms and definitions for the basic and reference concepts, and
- for each domain covered by other committees, the terms and definitions that give the general (or system) engineer an overview of the techniques used by these committees and to allow interoperability with other technologies and standards.

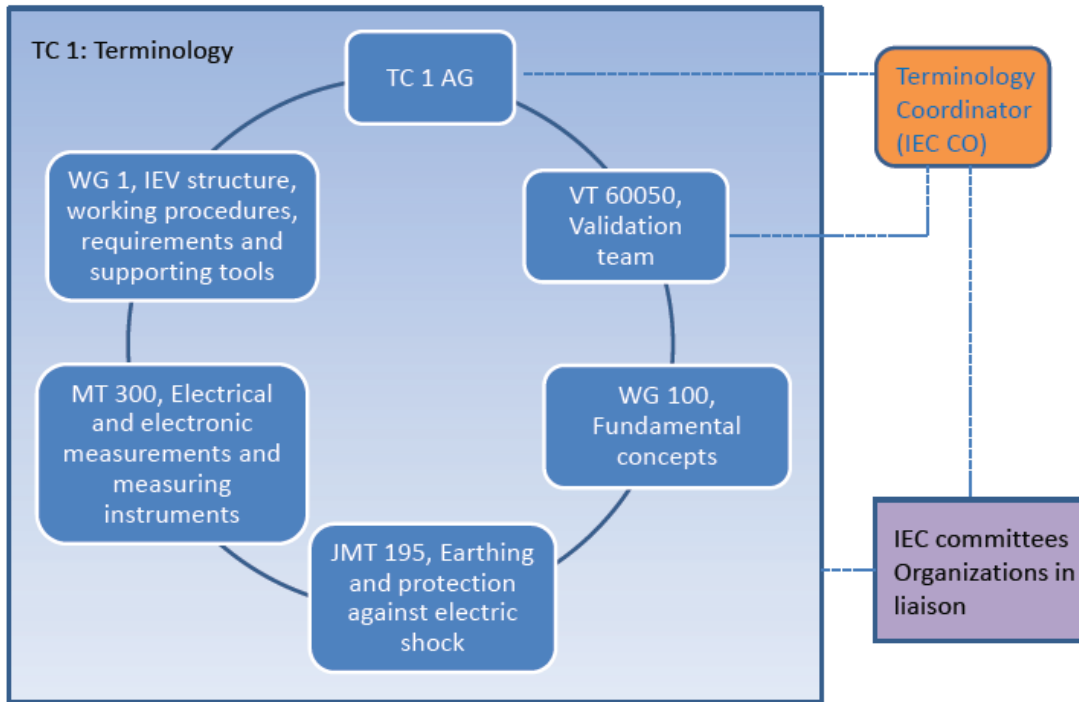
A number of IEC National Committees provide terms in their own languages for all or some of the definitions in the IEV. This is managed through the IEC Central Office.

#### *Evolution:*

TC 1 through its WG 1 investigated the needs of both the IEC community and the outside users. The results of the online *Survey on Electropedia (the "IEV Online") — How do you use it today? How would you like to use it tomorrow?* show that the great majority of respondents are generally satisfied with the current state of Electropedia, do not identify specific use-related or user-related criticalities, and only suggest incremental improvements in terms of a better and richer content together with a suggestion to include textbook writers and teachers in the target group of the primary goal of the IEV. There was also a proposal to add definitions in languages other than English and French; this topic goes beyond the scope of TC 1 and requires investigation with the IEC Central Office.

This should have no impact on the scope of other committees but could have a positive impact on their work activities.

**B MANAGEMENT STRUCTURE**



**C BUSINESS ENVIRONMENT**

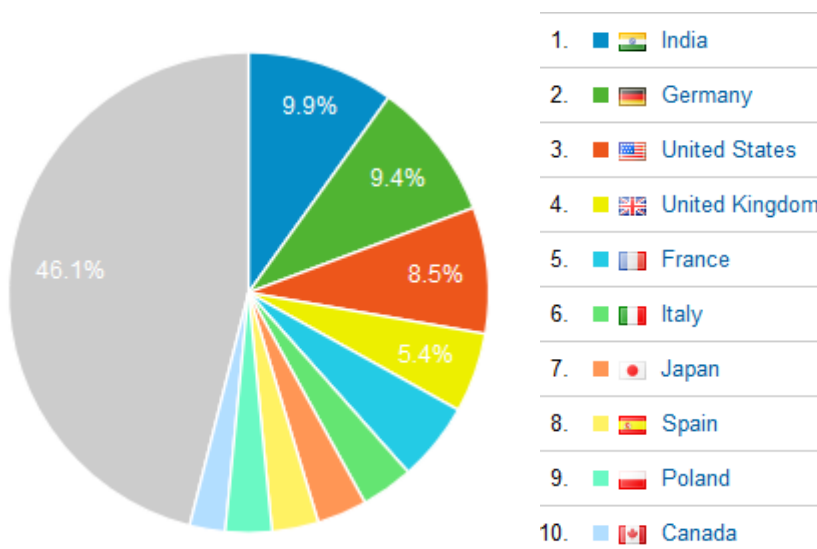
Effective communication is more important than ever before in today's IEC in which we are increasingly moving towards a multiplicity and convergence of technologies, and ever increasing needs for inter-operability.

Standards communicate provisions, and the communication of these provisions is primarily through the use of natural language (in our case English and French). Definitions are communication tools, and terms are the representations by which that communication is effected.

To ensure within the IEC community that the message understood is identical to that being communicated, the IEV needs to be comprehensive (i.e., to cover all IEC technical domains), and to provide a central resource which, to the greatest extent possible, permits precise, concise and unambiguous communication.

Note regarding the effectiveness of standards to the assessment of regulatory compliance: The IEV standards are not related directly to this topic.

The content of the IEC 60050 series is available free of charge through the Electropedia web site. The Electropedia web site has approximately 29500 sessions per month, with an average of 6,8 pages per session, a bounce rate of 49% and a percentage of total sessions vs location of user as shown below [usage data averaged for the previous 12 months, extracted 2018-10-11]:



**D MARKET DEMAND**

The likely customers of the IEC 60050 standards and Electropedia web site are the IEC committees (and in particular experts responsible for the drafting of standards), the IEC National Committees, legal and regulatory authorities, trade and customs organizations, industry and other standards' users, translators, textbook writers and teachers, and the general public.

**E TRENDS IN TECHNOLOGY AND IN THE MARKET**

The current trends in the field of knowledge management include the increasing use of ontologies and automatically searchable and processable information structures, requirements for cross-domain and cross-organization harmonization of terminology and sharing of resources, open data, etc.

**F SYSTEMS APPROACH ASPECTS (REFERENCE - AC/33/2013)**

By its nature, the IEV is relevant to the systems approach. It is an enabler for inter- and intra-domain communication, and impacts all IEC committees.

In some technical domains, there is also a strong connection with ISO, as well as with other organizations (e.g., the CIE, the IAEA, etc.).

In addition to the need for common terminology, some standards experts have requested that the IEC and other organization terminology resources be accessible through a common point of entry.

Coordination with the Systems Resource Group will be assured through the Terminology Coordinator.

**G CONFORMITY ASSESSMENT**

For any IEV terminological entry that is judged to need validation with respect to conformity assessment aspects, advice from the CAB secretary is sought through the Terminology Coordinator.

**H 3-5 YEAR PROJECTED STRATEGIC OBJECTIVES, ACTIONS, TARGET DATES**

STRATEGIC OBJECTIVES 3-5 YEARS	ACTIONS TO SUPPORT THE STRATEGIC OBJECTIVES	TARGET DATE(S) TO COMPLETE THE ACTIONS
Ensure the relevance (vs the scope) of all IEV content	Review and make current all cross-references Update as necessary and harmonize the IEV content, remove duplications, etc.	Ongoing
Complete the domains covered by the IEV vs those covered by the committees	Collaboration with the committees to add their terms and definitions Provision of support to the committees through the establishment and proactive actions of liaison officers	Ongoing
Review the IEV structure, working procedures, requirements and supporting tools to respond to market needs	As per the results of the online survey: a) WG 1 to seek how to improve the content through the addition of more examples, more references to external resources, etc., to revise Annex SK accordingly and to draw up a proposal for implementation. b) TC 1 officers and Terminology Coordinator to seek the approval of the SMB to include textbook writers and teachers in the target group of the primary goal of the IEV, to revise Annex SK accordingly and to draw up a proposal for implementation. c) TC 1 officers and Terminology Coordinator to investigate with the IEC Central Office the proposal to add definitions in languages other	Report to be provided at the TC 1 Plenary 2019 for discussion regardobjectiveing further actions

	than English and French.	
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Note: The progress on the actions should be reported in the RSMB.
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