



IEC/TC or SC SC 17D	Secretariat Germany	Date 2003-01
------------------------	------------------------	-----------------

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.

Title of TC Low-voltage switchgear and controlgear assemblies
--

A. Background**Scope:**

To prepare international standards covering assemblies which are combinations of one or more pieces of low-voltage switchgear and controlgear equipment, not exceeding 1 kV a.c. or 1,5 kV d.c. together with associated control and/or power equipment, measuring, signalling, protective, regulating equipment, etc.

Separate SPS:

In view of the fact that SC 17D is addressing a market different from those of the other sub-committees of TC 17, a separate SPS has been developed, based upon the existing SPS of TC 17.

Liaisons:

There is liaison with SC 17B, since equipment covered by that sub-committee are used within low-voltage switchgear and controlgear assemblies.

Other liaisons are established when appropriate (e.g. with SC 23B and TC 44).

Close cooperation with CENELEC TC 17D is maintained.

Maintenance teams:

MT 11: Responsible for IEC 60439-1, IEC 60890, IEC 61117, IEC 61641, Restructuring and coordination.

MT 12: Responsible for IEC 60439-2.

MT 13: Responsible for IEC 60439-3.

MT 14: Responsible for IEC 60439-4.

MT 15: Responsible for IEC 62208

MT 16: Responsible for IEC 60439-5

In addition MT11 has the responsibility to advise SC17D on general problems.

Membership:

P-members (31)

AU, AT, BE, CA, CN, CZ, DK, EG, FI, FR, DE, IN, ID, IT, JP, KR, NL, NO, PL, PT, RO, RU, SG, ZA, ES, SE, CH, TR, GB, US, YU

O-members (11)

BG, HR, GR, HU, IE, MY, MX, NZ, SK, TH, UA

B. Environment**B.1 Business environment**

IEC standardization for switchgear and controlgear assemblies has reached a high level of application worldwide, but does not cover all assemblies.

Low-voltage switchgear and controlgear assemblies built to IEC standards are used primarily in industrial environments. However, possible handling by unskilled persons has to be taken into account. Therefore, increasing safety demands necessitate the development of new and the adoption of existing assemblies standards.

The importance of low-voltage switchgear assemblies is increasing due to a higher degree of automation and control in buildings, construction sites, factories, offices, etc.

Requirements for utmost reliability lead to high levels of performance verification during development and routine testing during manufacture, both based on the provisions of the relevant assemblies standards.

B.2 Market demand

The evolution of switchgear and controlgear technologies, the trends towards higher degrees of automation, dependability and the growth of international trade require the maintenance of existing as well as the development of additional IEC standards on low-voltage switchgear and controlgear assemblies.

The harmonization of regional and national standards for assemblies through their integration into readily accessible, easy to understand IEC standards continues to be of major importance. Demand for assemblies with verified performance is increasing and requires standards that address the wider and diverse assembly market.

B.3 Trends in technology and trade

No extraordinary changes are foreseen for the medium term future in the principal technology of switchgear and controlgear assemblies.

Nevertheless, there is an ongoing evolution towards power electronic switchgear and towards electronic control equipment. Also the complexity of the assemblies is expected to grow continuously.

Due to these trends the environmental and electromagnetic aspects may need to be considered.

B.4 Ecological environment

The nature of the primary technologies used for low-voltage switchgear and controlgear assemblies imply that constructional elements can in general be recycled. During operation detrimental emissions are considered not to occur.

C. Work programme

Current work

The current status of the programme of work of SC 17D can be found on the IEC website.

The meetings of SC 17D are regularly held in conjunction with those of SC 17B every two years (on average).

Besides the normal maintenance of the existing standards for assemblies covered by the respective maintenance teams, the radical re-structuring and revision of the IEC 60439 series of standards is the most important activity of SC 17D. This work will probably lead to a new series of assemblies standards.

The maintenance teams of SC 17D meet as appropriate, in general at least twice a year.

C.2 Resources/infrastructure needed

Currently there is sufficient support from industry, since obviously the relevance of assemblies standards developed by SC 17D is considered important, and the quality of the standardization activities is appreciated.

Invitations for meeting venues of the maintenance teams are always welcome.

D. Future work

Close co-operation with SC 17B is mandatory for successful development of assemblies standards.

The activities leading to the re-structuring and revision of the series of basic assemblies standards are of top priority for SC 17D. The re-structuring and revision is also intended to address assemblies not covered by the present standards, but which are sometimes subject to individual national standards.

All existing publications are being reviewed continuously. In particular, insulation coordination and EMC requirements/tests are being included as appropriate during standards maintenance.

E. Maintenance cycle				
Publication no.	Date of publication	Review date	Maintenance result date	Responsibility (Maintenance Team)
IEC 60439-1 Ed.4	1999-09	MWIP	2002	MT 11
IEC 60439-2 Ed.3	2000-03	2003	2003	MT 12
IEC 60439-3 Ed.1.2	2001-05	2003	2004	MT 13
IEC 60439-4 Ed.1.2	1999-07	MWIP	2004	MT 14
IEC 60439-5 Ed.1.1	1998-10	2003	2004	MT 16
IEC 60890 TR Ed.1	1987-07	2004	2007	MT 11
IEC 61117 TR Ed. 1	1992-02	2004	2007	MT 11
IEC 61641 TR Ed. 1	1996-01	2005	2008	MT 11
IEC 62208 Ed.1	2002-11	2003	2005	MT 15

Note : "MWIP" means that there is maintenance work in progress

Name or signature of the secretary Guido von Trentini

ANNEX B

P-Members' participation within SC 17D

IEC CO has been requested to send letters to those P-members indicated in the shaded rows.

Country		Attendance at SC 17D plenary meetings			Representation in WG/MT/PT (total: 6 teams) *)	Voting on CDV/FDIS (since 2001-01) %	Comments on CD/CDV/DC (total: 7 documents) **)
		Frankfurt 1998	Stockholm 2000	Beijing 2002			
Australia	1	X	X	X	4	50	3
Austria	1	X	X	X	4	75	1
Belgium	1					100	
Canada	1					100	1
China	1	X	X	X		100	
Czech Republic	1					75	
Denmark	1	X	X	X	1	100	5
Egypt	1		X				
Finland	1	X	X	X	1	100	5
France	1	X	X	X	5	100	5
Germany	1	X	X	X	6	100	5
India	1	X	X	X		25	
Indonesia	1		X	X		25	
Italy	1	X	X	X	6	100	6
Japan	1					100	
Korea	1			X		100	
Netherlands	1	X	X		2	100	4
Norway	1	X	X	X	2	50	3
Poland	1					100	4
Portugal	1					75	4
Romania	1					50	
Russia	1					100	
Singapore	1			X	2	100	2
South Africa	1	X	X	X	1	100	
Spain	1	X	X	X	4	100	5
Sweden	1	X	X		3	100	4
Switzerland	1		X		1	100	2
Turkey	1					100	
United Kingdom	1	X	X	X	5	100	5
United States	1	X	X	X	5	100	6
Yugoslavia	1						
Total	31						

*) Number of teams in which the respective country is represented by at least one expert.

***) Number of documents against which the respective country has submitted comments since 2001-01.