SMB/2951/R

STRATEGIC POLICY STATEMENT

IEC/TC or SC	Secretariat	Date
SC17B	France	2004-12-10

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

TC17: Switchgear and controlgear
- SC17A: High-voltage switchgear and controlgear
- **SC17B: Low-voltage switchgear and controlgear**
- SC17C: High-voltage enclosed switchgear and controlgear
- SC17D: Low-voltage switchgear and controlgear assemblies

A. Background

SC17B was established in 1953 and it is one of the four SCs of TC17.

Scope:

To prepare international standards for low-voltage switchgear and controlgear equipment for industrial and commercial use rated below or equal to 1 kV a.c. and 1,5 kV d.c., except that for traction purposes the limit is 3 kV d.c.. The scope includes open and enclosed separate items of equipment as well as combinations of items of equipment into complete functional units, electromechanical as well as semiconductor (solid state) equipment.

SC 17B has a Safety Group Function:

Connecting devices, either as separate entities or as integral parts of an end product for connecting external electrical supply conductors, for use with conductor cross-sections above 35 mm^2 up to and including 300 mm^2.

Safety standard published: IEC 60999-2 (2003-05): Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units – Part 2: Particular requirements for clampling units for conductors above 35 mm^2 up to 300 mm^2 (included)

Working Groups:

WG1: Insulation coordination

WG2: Contactors, starters and similar equipment

WG3: Control switches

WG10: Constructional requirements and environmental aspects

Project Team:

PT61912: Application of the short-circuit ratings of low-voltage switchgear and controlgear

Maintenance Teams:

MT11: Maintenance of IEC 60947-1

MT12: Maintenance of IEC 60947-3

MT13: EMC aspects

MT14: Maintenance of IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3 and IEC 60999-2

MT15: Maintenance of IEC 60947-2

Number of publications issued by SC17B: 29

Number of projects in progress within SC17B: 14 (3 of which are future new publications)

There are 30 P-members: AU, AT, BE, CA, CN, DK, FI, FR, DE, HU, IN, ID, IE, IT, JP, KR, NL, NO, PT, RO, RU, SA, CS, ZA, ES, SE, CH, TR, GB and US
SC17B has liaisons with: TC2, SC17D, TC18, SC22G, SC22H, SC23E, SC32B, SC32C and TC64.

B. Environment

B.1 Business environment

IEC standards issued by SC17B are mainly used in industrial environment. However, possible handling by unskilled operators has to be taken into account. Therefore, increasing safety demands necessitate the development of new and the adaptation of existing International Standards.

B.2 Market demand

Global market expansion continue to create high demands for International Standards on switchgear and controlgear.

Common to all types of switchgear and controlgear are requirements for most reliability. This leads to high levels of testing during development and manufacture which are based on comprehensive Standards for type and routine tests.

B.3 Trends in technology and trade

The development of mechanical switching devices has been rather stable in the past, which has made it possible to describe and verify the functionality rather good for these devices. Electronic and semiconductor technology have both created new devices and semi-mechanical devices with new functionality and behaviour. Especially is this the case concerning communication. This increases the need for fast standardization especially for safety functions and EMC.

B.4 Ecological environment

The need to reduce any adverse impact on the natural environment by a product during all phases of its life is recognized. SC17B therefore decided to deal first with materials declarations and will take into account the IEC Guide 109 and other ACEA documents together with ISO Guide 64 and IEC Guide 113, and will also monitor the development of other relevant guidelines.

The environmental issue will be under permanent supervision of SC17B Advisory Group.

C. Work programme

C.1 Current work

- Maintenance and improvement of existing standards produced by IEC SC17B
- Inclusion of environmental aspects into IEC 60947-1
- Profiles for networked industrial devices for low-voltage switchgear and controlgear
- Fire pump controllers: transformation of the existing TS into an IS
- New standard IEC 60947-5-8: Low-voltage switchgear and controlgear – Part 5-8: Control circuit devices and switching elements – Enabling control devices
- New standard IEC 60947-5-9: Low-voltage switchgear and controlgear - Part 5-9: Control circuit devices and switching elements - Flow rate switches
- New publication IEC TS 61912: Application of the short-circuit ratings of low-voltage switchgear and controlgear

C.2 Resources/infrastructure needed

The frequency of SC17B plenary meetings is typically 2 years.

Each WG/PT/MT has in general two meetings in a year.

The SC17B Advisory Group regularly meets twice a year, this assures a good co-ordination between WGs/PT/MTs.

Due to the participation of experts of native English and French language in every WG/PT/MT, no formal editing committee is necessary. This editing work is achieved at the WG/PT/MT level with the participation of the Secretary.

C.3 Safety aspects (only for committees which do not have a reference to safety in their scope)

D. Future work

- The existing documents will be continuously updated
- The future work of SC17B will be governed by the evolution of technology used in switchgear and controlgear

E. Maintenance cycle

Publication no.	Date of publication			Maintenance review date	Maintenance result date	Responsibility (MT/WG)
	Current edition	Amend. 1	Amend. 2			
60715 Ed.1	1981	1995	–	2010	2013	WG2
60947-1 Ed.4	2004	–	–	MWIP	2007	MT11
60947-2 Ed.3	2003	–	–	MWIP	2004	MT15
60947-3 Ed.2	1999	2001	–	MWIP	2003	MT12
60947-4-1 Ed.2	2000	2002	–	MWIP	2005	WG2
60947-4-2 Ed.2	1999	2001	–	MWIP	2006	WG2
60947-4-3 Ed.1	1999	–	–	MWIP	2006	WG2
60947-5-1 Ed.3	2003	–	–	–	2006	WG3
60947-5-2 Ed.2	1997	1999	2003	–	2006	WG3
60947-5-3 Ed.1	1999	–	–	MWIP	2004	WG3
60947-5-4 Ed.2	2002	–	–	2007	2009	WG3
60947-5-5 Ed.1	1997	–	–	MWIP	2003	WG3
60947-5-6 Ed.1	1999	–	–	2007	2009	WG3
60947-5-7 Ed.1	2003	–	–	2006	2008	WG3
60947-6-1 Ed.1	1989	1994	1997	MWIP	2005	WG2
60947-6-2 Ed.2	2002	–	–	–	2005	WG2
60947-7-1 Ed.2	2002	–	–	–	2008	MT14
60947-7-2 Ed.2	2002	–	–	–	2008	MT14
60947-7-3 Ed.1	2002	–	–	2005	2008	MT14
60947-8 Ed.1	2003	–	–	MWIP	2006	WG2
60999-2 Ed.2	2003	–	–	–	2009	MT14
61095 Ed.1	1992	2000	–	2004	2006	WG2
61915 TS Ed.1	2003	–	–	–	2005	WG3
62026-1 Ed.1	2000	–	–	2005	2007	WG3
62026-2 Ed.1	2000	–	–	2005	2007	WG3
62026-3 Ed.1	2000	–	–	2005	2007	WG3
62026-5 Ed.1	2000	–	–	2005	2007	WG3
62026-6 Ed.1	2001	–	–	2005	2007	WG3
62091 TS Ed.1	2003	–	–	MWIP	2005	WG2

MWIP: Maintenance work in progress.

Name or signature of the secretary
Marcel DELAPLACE