



HEAD OF DELEGATION (HoD) REPORT

U.S. Member Body of the
International Organization for
Standardization (ISO)



U.S. National Committee of the
International Electrotechnical
Commission (IEC)

Please return this report within one month of the completion of the international meeting and submit it to the appropriate ANSI Department as follows:

ISO

USNC

ISOT@ansi.org

USNC@ansi.org

HoD reports can be used for a variety of purposes. For example:

- ❖ To report results of a TC/SC meeting to the related TAG
- ❖ To publicize the work of the TC/SC to the related US constituency via ANSI On-line, USNC News and Notes, or other media
- ❖ To suggest areas for possible development of featured articles
- ❖ To address specific challenges and concerns that the HoD may bring to the attention of related ANSI and/or USNC/IEC management

PLEASE REMEMBER: Your HoD report is NOT filed as a confidential, password protected document and, therefore, may have broad, unintended distribution. Keep this in mind when preparing the report and, if appropriate, use a more secure form of correspondence to call attention to any sensitive issues.

Completed by:

Head of Delegation: (Please print)	Dennis Oddsen
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Email:	doddsen@hubbell.com
Date:	November 29, 2016

Meeting of (Designation/Title)	SC 23B / PLUGS, SOCKET-OUTLETS AND SWITCHES
Date(s)	October 10, 2016
Location	Frankfurt, Germany

1. MEETING ATTENDANCE

Please indicate, if available, both the number of delegates and the countries represented at the Meeting:

There were 53 delegates representing 27 countries present

Meeting attendance roster and meeting resolutions attached, if available

Please comment on significant or unusual attendance issues (e.g., new member bodies, regular members not in attendance, new Chairman or Secretariat, non-accredited U.S. persons, etc.).

There were no unusual attendance issues to report

MEETING OBSERVATIONS

2. Overall, how well did the U.S. meet its objectives on policy or technical matters?

- Very Successful -- U.S. positions were accepted in whole
 Successful -- Compromises were reached which are acceptable to the U.S.
 Not Successful -- U.S. positions were not accepted

3. Please comment on any issues of significance which might have an impact upon materially affected or interested U.S. parties.

- (1) Discussion regarding IEC 60884-1 for plugs and socket-outlets for high current loads, in particular for EV charging. This work has reached the stage where CDs will be issued to NCs.
- (2) IEC 60884-1 Ambient Temperatures finalized Annex F that covers additional tests for products to be used in cold climates or at higher ambient temperatures. Annex F will be included in IEC 60884-1 and similarly in IEC 60669-1. This work is important to the US since it represents temperature parameters that potentially could be requested for products in the US.
- (3) Discussed and agreed maintenance of the IEC 60906 series of standards is to be assigned to a new MT(s) of SC 23B. In consideration of IEC 60906-2 Plugs and Socket Outlets for Household and similar Purposes –Part 2: Plugs and Socket Outlets 15 and 20 Amp 125 V a.c. and 20 A 125 V a.c. electrical accessories, the US requested that the prior committee leadership of 23C MT-2 be considered for the new MT of 23B. This is to ensure continuity of the maintenance of IEC 60906-2 standard going forward.

The maintenance of the current edition IEC 60906-2 Edition 3 2011-5 standard will be started in 2017 or 2018. A request to start maintenance of the standard and establish the new 23B MT will be made by the US at the appropriate time.
- (4) SC23B discussed and agreed a new 23B MT will be formed to maintain and continue the work for development of DC socket-outlets for data centers.

The first document to published is IEC/TS 62735-1 Ed.1: Direct current (D.C.) plugs and socket-outlets for information and communication technology (ict) equipment installed in

data centres and telecom central offices - Part 1: Plug and socket-outlet system for 2,6 kW.

A second document will be published IEC/TS 62735-2 Ed.1: Direct current (D.C.) plugs and socket-outlets for information and communication technology (ict) equipment installed in data centres and telecom central offices - Part 2: Plug and socket-outlet system for 5,2 kW.

This work is important to the US since it represents new configurations specifically designed for DC applications. The initial work for these DC products will form the basis for other new products to be used in other applications.

- (5) Reports from the various maintenance teams of SC 23 B were provided, reviews of progress of work and planned activities for 2017 were discussed. There was discussion regarding the meaning of “stability date”. There was differing interpretations within the committee so agreement that a clarification of the meaning of “stability date” should be asked of TC 23.**

4. Was there any discussion for which the United States was unprepared? (e.g., late document distribution, addition of new items, etc.)

None

5. Did the U.S. extend an offer to assume any new TC/SC Secretariat or management positions?

**Yes No
(If yes, please indicate which position and provide Officer contact information.)**

6. Did the U.S. extend an offer to host any future TC/SC meetings?

**Yes No
If yes, please identify:**

7. Were any new issues raised which require, or might involve, coordination with other U.S. bodies? (Include coordination items with other U.S. TAGs, ANSI policy-level committees (AIF, AIC, the USNC TMC and/or Council, etc.)

**Yes No
If yes, please identify:**

The TAG of 23 B will need to provide a candidate for appointment to the Chairmanship of the new MT of 23 B for IEC 60906-2. This is important to be sure we are ready with a candidate prior to the start of maintenance of the standard that will be requested by the US.

8. Did the U.S. put forth/agree to put forth any New Work Items?

<p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please identify: </p>
<p>9. Was there any evidence of irregular voting by participating countries?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please identify any significant issues or concerns: </p>
<p>10. Are work items in the TC or SC being affected by related work in regional standards bodies (e.g., CEN, CENELEC, ETSI, PASC, NAFTA, COPANT, etc.)?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No related regional activity If yes, please explain: </p>
<p>11. Were any new issues raised which require, or might involve, coordination with emerging market countries?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain: </p>
<p>12. Were any issues raised which relate to or impact existing U.S. regulatory matters?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain: </p>
<p>13. Please identify any IMMEDIATE U.S. TAG actions which will be required as a result of this international meeting.</p> <p style="text-align: center;">None at this time.</p>
<p>14. Please identify specific decisions which the U.S. delegation believes to be noteworthy for publication, publicity and/or development of a future article. If there are any, would you be willing to help develop an article for publication?</p> <p style="text-align: center;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p>
<p>15. What might be done to further promote the ANSI Federation's goal of "global standards that reflect U.S. interests?" (Consider such issues as how might the U.S. further promote acceptance of related American National Standards in international and, where applicable, regional fora?)</p> <p style="text-align: center;">As indicated in Section 3 (1) and Section 7, IEC 60906-2 is a published standard covering North American type receptacle and plugs 15 and 20 Amp 125 Volt a.c. ratings</p>

common to household applications used in many countries around the world. Continued support for SC 23 B standards related to these products is aligned to ANSI's promotion of global standards that reflect US interests.			
16.	Has this report been provided to your TAG Administrator for US TAG distribution?		
<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
17.	Do you have any questions, comments, or suggestions regarding the ISO/IEC Directives, including the IEC Supplement?		
	<u>None</u>	<hr/> <hr/> <hr/> <hr/>	
18.	Other Comments		
	None		

May 2016

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SC 23B

Attendance/Signature list for SC 23B meeting, Frankfurt am Main, DE, 2016-10-10

OFFICERS

Chair

Mr Armin SOLLBERGER *A. Sollberger*

TC 23 Chair

~~Mr Claus-Dieter ZIEBELL~~ *MADINE BRAVAIS*

TC 23 Secretary

Mr Wim DE KESEL *Wim De Kesel*

Secretary

Mr Cristiano MASINI *C. Masini*

AUSTRIA

Mr Mirko RIBIC *Mirko Ribic*

BELGIUM

Mr Rony HAENTJENS (Liaison) *Rony Haentjens*

CANADA

Mr Keith L. RODEL *Keith L. Rodel*

Mr Guy BENJAMIN

Mr Todd HAMDEN *Todd Hamden*

Mr Frank MAGISANO *Frank Magisano*

CHINA

Mr Jun CAI *Jun Cai*

Mr Yongli CHEN *Yongli Chen*

Mr Sheng HU *Sheng Hu*

DENMARK

Mr Flemming MALSKAER *Flemming Malskaer*

Mr Peter DAMGAARD *Peter Damgaard*

Mr Ole Albert NIELSEN *Ole Albert Nielsen*

FINLAND

Mr Juha VESA

FRANCE

Mr Olivier DOYEN *Olivier Doyen*

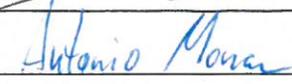
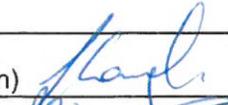
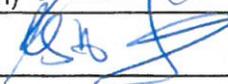
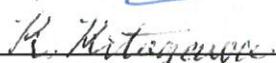
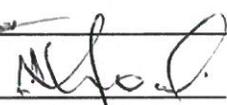
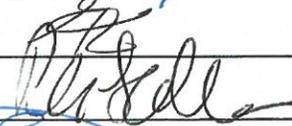
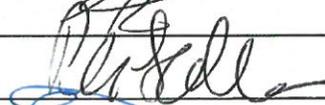
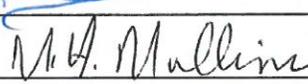
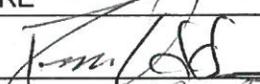
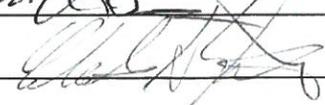
Mr Olivier HARRE *Olivier Harre*

Mr Laurent PETIT *Laurent Petit*

GERMANY

Mr Bernhard HOF *B. Hof*

Claus-Dieter Ziebell

	Mr Manfred BRAUN	
	Mr Mathieu DIEMERT	
	Mr Antonio MONACO	
INDONESIA	Mr Harry ARJADI	
	Mr Bartien SOEBARDJO	
ITALY	Mr Giacomo SCAINELLI	
	Mr Giovanni CASSINELLI (Liaison)	
	Mr Matteo GAVAZZENI	
JAPAN	Mr Katsunori KITAGAWA	
	Mr Kimio KUSAMA	
JORDAN*	Mr Eid AL-ASSAF	
NIGERIA*	Mr Achema ALEWU	
	Mr Ninma APIM	
NORWAY	Mr Nils Magnus HAGEN	
SOUTH AFRICA	Mr John MTOMBENI	
SPAIN	Ms Beatriz NOVEL	
	Ms Concepción GARCIA RUBIO	
	Mr Xavier MONTFORT	
SWEDEN	Mr Per HELLMAN	
UNITED KINGDOM	Mr Norman BIRD	
	Mr Malcolm H. MULLINS (Liaison)	
	Mr Rajeev VAGDIA	
	Mr Stephen R. WILLMORE	
UNITED STATES OF AMERICA	Mr Dennis ODDSEN	
	Mr Charles (Chuck) KURTEN	
AFFILIATE COUNTRY PROGRAMME		
CÔTE D'IVOIRE	Mr Oumar BAKAYOKO	
DEMOCRATIC REPUBLIC OF THE	Mr Jean-Jacques CHIRIBAGULA NTWALI	

CONGO

GHANA

GHANA

HONDURAS

SUDAN

SUDAN

SUDAN

URUGUAY

Mr Solomon SARPONG

Mr Alphonse Xonam VOEGBORLO

Mr Jose Jorge CANALES MARTINEZ

Mr Amin AHMED

Ms Intisar OSMAN

Mr Yousif TAHA ELAMIN

Mr Fernando GÓMEZ MARTÍNEZ

OBSERVERS

FRANCE *Guests*

Mrs Nadine BRAVAIS

KENYA *Guests*

Mr Chris OTOTO

IEC CENTRAL OFFICE

Mr Damien LEE

U.A.E

Mr. Abdelrahman ALALI

PORTUGAL

Mr Luis PACHECO

MEXICO

Ms Maria de Jesus Jimenez

BELARUS

Mr. Siarhei Kabanau

TOGO

Mr Fossou Kpondoho LAWSON-H