HEAD OF DELEGATION (HoD) REPORT

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
ISOT@ansi.org

USNC
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:

<table>
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<tr>
<th>Head of Delegation: (Please print)</th>
<th>Dennis Oddsen</th>
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<tbody>
<tr>
<td>Telephone/Telefax:</td>
<td>475-882-4605</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:doddsen@hubbell.com">doddsen@hubbell.com</a></td>
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<td>Date:</td>
<td>November 29, 2016</td>
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Meeting of 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**

   X 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**

2. **MEETING OBSERVATIONS**

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

      X Very Successful -- U.S. positions were accepted in whole

      X 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?

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(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?

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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.)

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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?
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9. Was there any evidence of irregular voting by participating countries?

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<td>If yes, please identify any significant issues or concerns:</td>
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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.)?

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<td>No related regional activity</td>
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11. Were any new issues raised which require, or might involve, coordination with emerging market countries?

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12. Were any issues raised which relate to or impact existing U.S. regulatory matters?

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13. Please identify any IMMEDIATE U.S. TAG actions which will be required as a result of this international meeting.

None at this time.

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?

|   | Yes | X | No |

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?)

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
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.

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<th>16.</th>
<th>Has this report been provided to your TAG Administrator for US TAG distribution?</th>
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<th>Do you have any questions, comments, or suggestions regarding the ISO/IEC Directives, including the IEC Supplement?</th>
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<th>18.</th>
<th>Other Comments</th>
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May 2016
OFFICERS
Chair
Mr Armin SOLLBERGER
Mr Christian ZIEGLER
TC 23 Chair
Mr Wim DE KESEL
TC 23 Secretary
Mr Cristiano MASINI
Secretary
Mr Mirko RIBIC
AUSTRIA
Mr Rony HAENTJENS (Liaison)
BELGIUM
Mr Keith L. RODEL
CANADA
Mr Guy BENJAMIN
Mr Todd HAMDEN
Mr Frank MAGISANO
CHINA
Mr Jun CAI
Mr Yongli CHEN
Mr Sheng HU
DENMARK
Mr Flemming MALSKAER
Mr Peter DAMGAARD
FINLAND
Mr Ole Albert NIELSEN
FRANCE
Mr Olivier DOYEN
Mr Olivier HARRE
GERMANY
Mr Laurent PETIT
Mr Bernhard HOF
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

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Ms Beatriz NOVEL

Ms Concepción GARCIA RUBIO

Mr Xavier MONTFORT

SWEDEN

Mr Per HELLMAN

Mr Norman BIRD

Mr Malcolm H. MULLINS (Liaison)

Mr Rajeev VAGDIA

UNITED KINGDOM

Mr Stephen R. WILLMORE

Mr Dennis ODDSEN

Mr Charles (Chuck) KURTEN

UNITED STATES OF AMERICA

CÔTE D'IVOIRE

Mr Oumar BAKAYOKO

DEMOCRATIC REPUBLIC OF THE

Mr Jean-Jacques CHIRIBAGULA NTWALI
CONGO
GHANA
GHANA
HONDURAS
SUDAN
SUDAN
SUDAN
URUGUAY

OBSERVERS

FRANCE Guests
KENYA Guests

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Mr Solomon SARPONG
Mr Alphonse Xonam VOEBBORLO
Mr Jose Jorge CANALES MARTINEZ
Mr Amin AHMED
Ms Intisar OSMAN
Mr Yousif TAHA ELAMIN
Mr Fernando GOMEZ MARTINEZ

Mrs Nadine BRAVAIS
Mr Chris OTOTO

Mr Damien LEE
Mr Abdelrahman AI ALI
Mr Luis PACHECO
Ms Maria de Jesus Jimenez
Mr Siarbei Kabanda
Mr Fossoh Kpandohou Lawson