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| **TELECOMMUNICATIONSTANDARDIZATION SECTOR**TSB DIRECTOR'S AD HOC GROUP | **October 2012** |
| **English only****Original: English** |
|  |  | Aalborg, Denmark, 8-9 October 2012 |
| **AHG on Education about Standardization – Document 007** |
| **Source:** | **TSB** |
| **Title:**  | **Report of the first AHG-SE meeting (Aalborg, Denmark, 8-9 October 2012)** |

# 1 General

The TSB Director’s Ad hoc Group on Education about Standardization (AHG-SE) meeting took place collocated with the Joint ITU-GISFI-DS-CTIF Standards Education Workshop, in Aalborg, Denmark, 8-9 October 2012, under the kind invitation of Aalborg University, Denmark. AHG-SE met in two sessions (8 Oct 1745-1900 hours and 9 Oct 1145-1300 hours). The list of participants is found in Annex A.

The participants to the AHG-SE were welcomed by Mr Ramjee Prasad (Aalborg University, Denmark), who chaired the meeting on behalf of the TSB Director. Mr Bilel Jamoussi (TSB) also addressed the meeting and highlighted some of the objectives.

# 2 Approval of the draft agenda

The agenda in [AHG-SE-001](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/001_AHG_SE_Draft_agenda.docx) was reviewed and approved.

# 3 Documentation

The documentation for the meeting was found at <http://itu.int/go/standardseducation/docs>.

* [AHG-SE-001](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/001_AHG_SE_Draft_agenda.docx) – Draft agenda
* [AHG-SE-002](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/002_AHG_SE_Draft_ToR.docx) – ToR
* [AHG-SE-003](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/003_AHG_SE_List_leading_orgs.docx) – List of leading organizations
* [AHG-SE-004](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_AHG-SE_UNECE%20docs.docx) – UN ECE documents ([Attachment 1](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_Att.1-AHG_SE_UNECE_Rec.StdsEdu.pdf) and [Attachment 2](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_Att.2-AHG_SE_UNECE_Concept_note_for_Workshop.pdf))
* [AHG-SE-005](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/005_AHG_SE_Webpage_Docs_store.ppt) – Working method facilities
* AHG-SE-006 [[base](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/006_AHG_SE_Draft_overall_summary.docx)] / [[Rev.1](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/006r1_AHG_SE_Draft_overall_summary.docx)] – Executive summary of the Sessions 1, 2, 3 of the workshop

# 4 Review of Terms of Reference

The ToR ([AHG-SE-002](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/002_AHG_SE_Draft_ToR.docx)) were presented for information. It was felt the document was flexible enough to accommodate work in lined with the aspects identified during the workshop. It was noted that any suggestions for modification can be considered in the future.

# 5. Working methods, including document repository

The meeting agreed to the following working methods illustrated in Doc [AHG-SE-005](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/005_AHG_SE_Webpage_Docs_store.ppt):

* The webpage <http://itu.int/go/standardseducation> will be the main focal point information on the group's activities
* The mailbox tsbstdsedu@itu.int will be used to communicate with the AHG-SE secretariat
* The mailing list standardsedu@lists.itu.int will be used for exchange with other AHG-SE participants. Joining the mailing list is open; however, either a TIES account (for ITU-T members) or a Guest account (for non-ITU members) is needed. Subscriptions are managed from <http://itu.int/ITU-T/services>.

The mailing list will be used to inform AHG-SE participants of updates, upcoming meetings, document submission deadlines, etc. The website will be kept up-to-date with the latest available information on the progress of the group.

All content of the AHG-SE website will be publicly available. Any access difficulties should be communicated to the secretariat at tsbstdsedu@itu.int, for corrective action.

Concerning meetings, it is agreed that the group will work as much as possible electronically. When holding physical meetings, remote participation will be offered to facilitate participation of the widest possible public.

Improvements to the working methods can be implemented based on feedback from participants. Most information updates etc. e.g. deadlines, meeting announcements will be communicated by email through the group's mailing list.

# 6 Relevant results from the first three half-day sessions of the Joint ITU-GISFI-DS-CTIF Standards Education Workshop

The contents of [AHG-SE-006](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/006_AHG_SE_Draft_overall_summary.docx) were presented with an executive summary of the discussions of the first three half-days of the workshop. Some minor updates were requested, as found in [Rev.1](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/006r1_AHG_SE_Draft_overall_summary.docx). The document will be kept for future reference as the group's work progresses.

# 7 Next steps

# 7.1 General issues

* Need for education about standardization was confirmed by all participants, representing all regions. However, initial activities should be considered on a step-by-step basis, so as to take off on solid ground.
* A lot of discussion was held around the issue of funding. Developing lectures, courses, etc., requires substantive funding for their preparation (as they are time consuming), and sustained participation and development of curricula would require identification of sources of funding. It was felt that volunteer activity will only allow completion of a limited set of tasks. AHG-SE can be a good platform to develop a network that can help identify mechanisms to assist in this critical area.
* It was suggested that education about standardization could be seen *also* in the context of the Bridging the Standardization Gap (BSG) mandate, as many developing countries would benefit from the development of teaching materials about standardization.
* Courses / syllabuses developed by the group should not be organization-specific, but comprehensive to enable education about standardizations on a solid academic basis.
* The need for coordination and cooperation with other organizations working on similar topics was repeatedly mentioned – *inter alia* UN ECE, ISO/IEC, CEN, CENELEC, IEEE and academic groups such as ICES and EURAS. Opportunities for joint activities, e.g. within the context of WSC (composed by ITU, ISO and IEC) should be explored.

## 7.2 Promotion strategy

In order to better promote the work of the AHG-SE, it is important to leverage members of ITU and contacts of other organizations. AHG-SE participants were invited to spread the word about the group. It was also suggested that the ITU SecGen invite all academic members to participate in the work of the AHG-SE.

The group felt that workshops such as the one organized during this meeting are highly interesting and attract the right public that can contribute to this activity. More should be organized to progress the objectives of the AHG-SE. These WSs should be organized in close cooperation with standards bodies (e.g. ITU, ISO, and IEC), governments, industry and academia.

Promotion of the group can be made through papers published in magazines and other publications, as well as through the new Journal on ICT Standardization.

Suggestion was made that we use social media to promote the AHG-SE activities and results.

Information that presentations and report of the workshop held this week should be widely spread.

Additionally, ITU should produce regular press releases or newslogs promoting with results of the group.

## 7.3 List of activities to be implemented

* Pilot courses: several participants agreed with the idea of organizing pilot courses, using remote participation using ITU electronic facilities. Mrs Dina Šimunić (University of Zagreb, dina.simunic@fer.hr) agreed to coordinate the initiative.
* A strategy needs to be defined towards the development of materials for education about standardization, as well as identification of common requirements.
* Should identify additional academic organizations interested in education about standardization and invite them to join the AHG-SE.
* Potential sources of funding should be identified for the development of materials for education about standardization. For example, many countries are not members of the European Institute of Innovation and Technology (EIT), which has programmes that could be used to fund related activities.

# 8 Documents from UN ECE

The documents in [AHG-SE-004](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_AHG-SE_UNECE%20docs.docx) ([Attachment 1](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_Att.1-AHG_SE_UNECE_Rec.StdsEdu.pdf) and [Attachment 2](http://spdev2/en/ITU-T/academia/Documents/stdsedu/Meeting-20121008-Denmark/004_Att.2-AHG_SE_UNECE_Concept_note_for_Workshop.pdf)) from UN ECE were not reviewed due to lack of time. They will be revisited at the next AHG-SE meeting.

# 9 Future meetings

The following future meetings of the AHG-SE are envisioned:

* Following [2013 Kaleidoscope Academic Conference](http://itu-kaleidoscope.org/2013) (Kyoto, Japan, 22–24 April 2013); target day: 25 April (workshop plus AHG-SE).
* Geneva, during TSAG in Geneva, 4 – 7 June 2013
* During the [IWS 2013 Conference](http://www.iws-2013.org/) in New Brunswick, New Jersey, USA, 24-27 June 2013 (workshop plus AHG-SE)
* Workshop plus AHG-SE in India, 16-20 December 2013 (city and other details TBD)

Updated information will be available from the AHG-SE website.

# 9 AOB

None.

# 10 Closing

Mr Prasad thanked all participants for the constructive discussions and wished to see them at the next meeting, and intense virtual discussions in the meantime. He also thanked the secretariat for their assistance in preparing the first AHG-SE meeting.

The meeting closed on 9 October 2012 at 1300 hours.

Annex A
List of participants

| M | Family name | Name | Entity | Country |
| --- | --- | --- | --- | --- |
| Ms | Al Whaibi | Fawziya | Higher College Technology | Oman |
| Mr | Alam | Mahbubul | Cisco Systems | United States |
| Mr | Andersen | Birger | Center for Wireless Systems and Applications | Denmark |
| Mr | Andersen | Frank | Foundation Danish Standards | Denmark |
| Mrs | Andersen | Iben B. | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Andersen | Liselotte S. | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Anggorojati | Bayu | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Askehave | Inger | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Astman | Ulla | Denmark | Denmark |
| Mrs | Bergh Andersen | Katrine | Dansk Standard | Denmark |
| Mrs | Bøgh | Signe Annette | Dansk Standard | Denmark |
| Mr | Brabec | Zdenek | Czech Technical University in Prague | Czech Rep. |
| Mr | Brand | Hermann | ETSI | France |
| Mr | Campos | Simao | TSB | ‑ |
| Mr | Chowdhry | Bhawani Shankar | Mehran University of Engineering and Technology | Pakistan |
| Mr | De Vries | Henk | Rotterdam School of Management, Erasmus University | Netherlands |
| Mr | Dlodlo | Mqhele | University of Cape Town | South Africa |
| Mr | Dua | Tilak Raj | Global ICT Standardization Forum for India | India |
| Mr | Fratu | Octavian | University Politechnica of Bucharest | Romania |
| Mrs | Gavrilovska | Liljana | University of Skopje | Macedonia |
| Mr | Gholap | Sharad | Sinhgad Institute of Technology, Lonavala | India |
| Mrs | Halunga | Simona | University Politechnica of Bucharest | Romania |
| Mr | Hampson-Jones | Newell | BSI | United Kingdom |
| Mrs | Hauge | Inga | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Hesser | Wilfried | Helmut Schmidt-Universitat | Germany |
| Mr | Hjorth Nielsen | Rasmus | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Inamdar | Sandeep | International Institute for Innovation in ICT | India |
| Mr | Irvine | James | Strathclyde University | United Kingdom |
| Mr | Jamoussi | Bilel | TSB | ‑ |
| Mr | Jerlang | Jesper | Dansk Standard | Denmark |
| Mr | Jespersen | Jesper | NOVI | Denmark |
| Mr | Kamyod | Chayapol | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Kim | Young Kyun | Addis Ababa Institute of Technology | Ethiopia |
| Mr | Kjaersdam | Finn | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Kolmos | Anette | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Komaki | Shozo | University Teknologi Malaysia | Malaysia |
| Mrs | Kosaikanont | Romyen | Mae Fah Luang University | Thailand |
| Mr | Kumar | Vinod | Wireless World Research Forum | France |
| Mr | Lanng | Kjeld | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Lathia | Kiritkumar | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Lemvigh | Morten | Denmark | Denmark |
| Mr | Lindberg | Børge | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Maeda | Yoichi | Telecommunication Technology Committee | Japan |
| Ms | Magliarditi | Alessia | TSB | - |
| Mr | Mathur | Prateek | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Mcgarrah | James | Telecommunications Industry Association | United States |
| Mrs | Mihovska | Albena | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Naradisorn | Matchima | Mae Fah Luang University | Thailand |
| Mrs | Normann | Emilie | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Nørrevang | Susanne | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Pedersen | Jens Erik | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Prasad | Anand R. | NEC | Japan |
| Mrs | Prasad | Neeli R. | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Prasad | Rajeev | River Publishers | Denmark |
| Mr | Prasad | Ramjee | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Prasad | Swati | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Ryberg | Thomas | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Serrano | Arturo | Centro de Investigación Científica y de Educación Superior de Ensenada | Mexico |
| Mr | Simak | Boris | Czech Technical University in Prague | Czech Rep. |
| Mrs | Simunic | Dina | University of Zagreb (Croatia) | Croatia |
| Mr | Skouby Knud | Erik | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Sri Hanuma | Chitti | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mr | Suciu | George | POLITEHNICA of Bucharest | Romania |
| Mr | Tiwari | M.D | III-T Allahabad | India |
| Mr | Tobgay | Sonam | Aalborg University ‑ Center for Teleinfrastruktur | Denmark |
| Mrs | Vonsild | Susan | Interlink | Denmark |
| Mr | Vulpe | Alex | Politechnica of Bucharest | Romania |
| Ms | Zhu | Xianghua | Invited | China |

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