

ISO/IEC JTC 1
Information technology
Secretariat: ANSI

Document type: Meeting Report

Title: Conclusions of the Joint ITU-T | JTC 1 leadership meeting, 4-5 February 2010 in Geneva

Status: This document is circulated to JTC 1 National Bodies for information.

Date of document: 2010-04-26

Source: JTC 1/ ITU-T Liaison Officers

Expected action: INFO

No. of pages: 22

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Committee URL: <http://isotc.iso.org/livelink/livelink/open/jtc1>

Conclusions of the Joint ITU-T / JTC 1 leadership meeting

ITU, Geneva
4-5 Feb 2010

Block 1

Regulatory and Policy Issues

ITU-T SG 2: Operational aspects
ITU-T SG 3: Economic and policy
issues

Conclusions for block 1

- Regarding the activities of ITU-T SG 2
 - JTC 1/SC 7/WG 25, IT Service management (of interest to Q.5/2)
 - JTC 1/SC 27/WG 1, Information security management systems (of interest to Q.11/2)
 - Importance of collaboration activities on Human Factors
 - Possible future collaboration on naming and addressing issues for Future networks with JTC 1/SC 6 and ITU-T SG 13
- Regarding the activities of ITU-T SG 3
 - Possible future collaboration on tariff and charging issues relating to Future networks with JTC 1/SC 6 and ITU-T SG 13

Block 2

Networks and their Future

- ITU-T SG 13: Future networks
- ITU-T SG 11: Protocol and test specifications
- ITU-T SG 12: Performance, QoS and QoE
- ITU-T SG 15: Transport and access
- JTC 1/SC 6: Telecommunications and information exchange between systems

Conclusions for block 2

- Infrastructure need continuous improvements not only for providing more bandwidth but also impacts other aspects like QoS and Security
 - Closer collaboration needed on Home Networks between ITU-T SG 15 and JTC 1/SC 25, especially on the Centralized Management Protocol (CMP)
 - Initiate collaboration on Power Line Transport (PLT, PLC) between ITU-T SG15 and JTC 1/SC 6
 - Initiate collaboration on QoS between ITU-T SG12 and JTC 1/SC 6
- Future Networks are a very important subject for both organizations
 - Need to enhance the collaboration: more than exchange of LSs
 - Set up a "collaboration team" between ITU-T SG 13 and JTC 1/SC 6
- Energy saving aspects of networks also need close collaboration between both organizations
- Future collaboration expected on test specification between ITU-T SG 11 and JTC 1/SC 6
 - Beyond Liaisons, joint work and meetings are encouraged

Block 3

Multimedia, broadband cable and TV

- ITU-T SG 16: Multimedia
- ITU-T SG 9: Broadband cable and TV
- ITU-T Joint Coordination Activity on IPTV
- JTC 1/SC 29: Coding of audio, picture, multimedia and hypermedia information
- JTC 1/SC 24: Computer graphics, image processing and environmental data representation

Conclusions for block 3

- Successful collaborations between JTC 1/SC 29 and ITU-T SG 16 on MPEG and JPEG/JBIG projects
- Further fruitful collaboration expected through the new Joint Collaborative Team on Video Coding (JCT-VC) to attain enhanced video performance
- Another collaboration currently under discussion between ITU-T Q.13/16 and JTC 1/SC 29/WG 11 on AIT development
- Exchange of LSs between JTC 1/SC 24 and ITU-T SGs on visualization technology highly envisaged
- ITU-T SG9 invites collaboration on IPTV, Video Quality assessment, and Transport/distribution of video and advanced services with JTC 1
- ITU-T Q.26/16 would like to collaborate more closely with JTC 1 on accessibility related aspects

Block 4

Green Agenda: Environment and Climate Change, Smart Grid

- ITU-T SG 5: Environment and climate change
- ITU-T Joint Coordination Activity on ICT and Climate Change
- JTC 1 Study Group on Green ICT

Ideas raised during the discussion

Agreed areas of collaboration between ITU-T & JTC 1:

- Green of ICTs: challenging Green issues within the ICT sector.
- Green by ICTs: challenging Green issues in other sectors by using ICT technologies and products.

⇒ *Participation via the Category A-Liaison*

■ **With regards these two issues:**

- ITU-T and JTC 1 agree to collaborate and to share achievements in order to avoid duplication of work
⇒ *Facilitated by participation of common members*
- ITU-T and JTC 1 agree to contribute to obtain good harmonization with other standards initiatives around the world
- Standardization of methodologies on environmental impact of ICT is already on progress within ITU-T which wants to share its deliverables as internationally recognized references (avoid development of different methodologies)
⇒ *JTC 1 is interested in this work and offers to review and - if necessary- to contribute*
- JTC 1 and ITU-T have common targets and collaboration can be made on different technologies issues (e.g. transportation sector, education sector, etc.)
- With regard to WTSA08 Resolution 73, ITU-T and JTC 1 agree to pursue the opportunity to set up common events (e.g. workshop) on ICT & climate change

Block 5 Security; Identity Management; Identification of things

- ITU-T SG 17: Security
- JTC 1/SC 27: IT security services
- JTC 1/SC 17: Cards and personal identification
- JTC 1/SC 37: Biometrics
- ITU-T Joint Coordination Activity for Identity Management
- ITU-T: Joint Coordination Activity on Network Aspects of Identification Systems

Conclusions for block 5 on security

- Establish a process for regular updating of the ITU-T-maintained ICT Security Standards Roadmap by ISO, IEC, JTC 1 and ITU-T
- Discuss the need of a JCA-Security for fostering collaboration and coordination in the field of telecom/ICT Security

Conclusions for block 5 on IdM

- Promote the Collaborative Team on entity authentication assurance (ITU-T X.eaa | ISO/IEC 29115) between ITU-T Q.10/17 and JTC 1/SC 27/WG 5
- Consider working on common texts on IdM
- Include JTC 1/SC 17 in the JCA-IdM (with its chairman as initial contact on mailing list)
- Discuss whether the IdM roadmap maintained by ITU-T Q.10/17 should be included in ITU-T's ICT Security Standards Roadmap

Conclusions for block 5 on Identification of things

- Cross-fertilization via liaison exchange is needed between ITU-T SG 16 (Q.21, 22) and JTC 1/SC 31/WG 6
- Suggested clarification to JTC 1/SC 17 of the boundary for credit cards used at the point of sale: ITU-T JCA-NID covers the mechanics of establishing a dialogue whereas ITU-T JCA-IdM then uses that dialogue to establish the cardholder's identity with the issuer
 - To be checked by ITU-T JCA-IdM and JCA-NID

Block 6

Cloud computing and web services

- JTC 1/SC 38: Distributed Application Platforms and Services

Conclusions for block 6

- JTC 1 and ITU-T to identify areas of common interest on cloud computing
- Joint work of JTC 1/SC 6 and ITU-T SG 17 on Fast Web Services is an area of potential future consideration by JTC 1/SC 38 WG on Web Services
- JTC 1/SC 38 can help ITU-T SG 16 better define the underlying transport infrastructure by providing information such as:
 - Are different traffic patterns anticipated?
 - Is it just about bandwidth?
 - Are there specific requirements concerning characteristics such as delay, packet size, etc.?
- JTC 1/SC 38 may help ITU-T SG 13 incorporate Web Services and Cloud Computing into telecommunication networks, especially for media processing

Block 7

Home Networking

- JTC 1/SC 25: Interconnection of information technology equipment
- ITU-T SG 16: Home Networking aspects
- ITU-T SG 15: Home networking aspects
- ITU-T Joint Coordination Activity on Home Networking

Conclusions for block 7

- Collaboration between committee officers with information exchange about current and future work
- ITU-T G.hnem "Home Networking Energy Management"
 - Smart Grid: ITU-T to appoint a liaison officer to IEC Standardization Management Board; initiate cooperation
 - PLT early alignment to be initiated (first move from ITU-T SG 15 done)
- Remote management: reference Broadband Forum TR-069? Action for secretariats to sort out the procedures
- Vehicle gateway: Possible application of Home Gateway/Home network technologies for vehicle gateway and car communication

Block 8

Accessibility

- JTC 1 Special Working Group on Accessibility
- ITU-T Joint Coordination Activity- Accessibility and Human Factors

Conclusions for block 8

- Excellent collaboration so far to be noted between JTC 1 & ITU-T on Accessibility matters
 - In particular ITU-T SG 16 made significant contribution to ISO/IEC TR 29138, Information technology -- Accessibility considerations for people with disabilities
 - ITU-T *The Accessibility Checklist* , ITU-T F.790 also referenced in TR part 2
 - Share common goal: produce standards enabling accessible products and services

How to improve?

- Extend collaboration on ISO/IEC TR 29138 to ITU-T SG 2 and to other SGs
- TR 29138 part 3 “User needs mapping” would potentially help ITU-T discover accessibility gaps in their standards
- TR 29138 part 2 “Inventory” could help track potential overlap between standards
- ITU-T JCA-AHF & ITU-T SG 16 (Q.16 and possibly Q.4) invited to collaborate with JTC 1/SC 37
- JTC 1 SWG-A to study “Accessibility checklist” (upon ITU-T invitation)
- What we do now: collaboration on standard development. Possibly extend to exchange information on how to run accessible standard meetings (e.g. today’s demo on captioning), how to produce and distribute accessible standards

General conclusions

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- Capture actions and proposals from this meeting, monitor progress
- If requested by ITU-T SGs or JTC 1 SCs, set-up follow-up “virtual” meetings on a focused topic (e.g., one of the block for this meeting), 2 hours duration, via telephone and web conferencing