



**ISO/IEC JTC 1 N9321**

2008-10-14

**Replaces:**

**ISO/IEC JTC 1  
Information Technology**

**Document Type:** other (defined)

**Document Title:** Report on IEC TC100 activities

**Document Source:** JTC 1 Liaison Officer to IEC/TC 100

**Document Status:** This document is circulated to National Bodies for review and consideration at the November 2008 JTC 1 Plenary meeting in Nara.

**Action ID:** ACT

**Due Date:**

**No. of Pages:** 4

IEC TC100 met in Colmar, Alsace in 2007 (at the same time as the JTC1 plenary meeting). The meeting approved the reports of the various committees, AGM, AGS, TAs, GMT, MTs and PTs directly under IEC TC100. Other key resolutions for JTC1 to note from that meeting were:

**DECISION 23:**

TC 100 approves the establishment of Stage 0 Project on accessibility in audio, video and multimedia systems and equipment standards as described in the document 100/1292/DC and encourages NCs to nominate experts.

**DECISION 25:**

TC 100 noted that Japan NC requests IEC CO to announce TC 100 Activities related to Energy Saving.

In April 2008 IEC TC100 AGS and AGM met in Bangkok and as JTC1 liaison to IEC TC100 I gave a report on some of the activities in JTC1 and the resolutions from the plenary meeting in Australia highlighting specifically:

- *JTC1 resolution 3: Accessibility of Livelink Web Sites*
- *JTC1 resolution 16 A&B: JTC 1 Participation in ITU-T Activities*
- *JTC1 resolution 22: Promoting a Better Understanding of JTC 1*
- *JTC1 resolution 25: Management of Liaisons*
- *JTC1 resolution 25: Release of Standards That Fall Under the ISO and IEC Criteria for No Cost Availability (SWG-A TRs)*
- *JTC1 resolution 30: Meeting Schedule*
- *JTC1 resolution 33: Changes to JTC1 Directives Annex H*
- *Establishment of SGs and SWGs (resolutions 18/19/20/21 etc) \*\*\**
- *Technology Watch session*

*\*\*\* where ToR say membership is open to all ISO or IEC TCs, WGs, PTs, etc. in liaison with JTC 1 subgroups or with specific expertise in the field, it may be good for JTC1 to be proactive and send information directly to all these, or certainly to the key groups in which relevant work is being done.*

I provided information on the presentations at the first meeting of JTC1-SWGARM the resolutions from the meeting in the UK. I also spent some time reviewing the ToR of the Study Group on Sensor Networks, the documents already circulated the Draft Workshop Program on Sensor Networks (26/06/08, Shanghai, China) and the first meeting agenda and structure of AHGs. As a result TC100 nominated an expert to participate in this activity.

I gave detailed information on work of ISO/IEC JTC1 SC29 of relevance to IEC TC100 work including:

- JPEG XR and JPEG DI work
- Status of JPSearch
- Image signature
- Video signature
- RVC Reconfigurable Video Coding
- FTV Free-viewpoint TV

- JVT and SVC status
- VS-AF Video surveillance

During the IEC TC100 meetings potential new work items on the use of BIFS in “T-DMB Interactive Data service using BIFS” and the proposed New Work Item on “Portable video encoding specification for interoperability” (which may be renamed “Multimedia Interoperability Requirement for products using MP4 with AVC video and AAC audio”) were discussed and gave rise to liaison statements to SC29 WG11. At the subsequent WG11 meeting WG11 experts were nominated to relevant Project Teams thus ensuring good information flow between the different groups.

Until recently much of the IEC TC100 work relevant to JTC1 SC29 has been in TA2 Colour Management and TA4 Digital Interfaces, but the newer TAs also have work that may be of interest to SC 29 experts. This is an example of a general issue that needs to be addressed; -- making sure that both JTC1 and IEC TC100 are aware of the formation of new SCs, SGs, WGs (JTC1) and TAs and PTs (TC100) and their scopes and work programmes. I would recommend that SC29 and other JTC1 committees review the newer projects within IEC TC100 (and the scope of the newer TAs) and consider establishing additional liaisons with appropriate TAs and PTs.

For example:

TA7 with work on topics including portable AV storage application system using HDD (iVDR application layer), audio storage archive (error date and data migration criteria for audio disc archive), audio oriented file format (BWF), and the “Portable video encoding specification for interoperability”

TA 8 since the multimedia home server market is expected to expand with growth of digital contents worldwide and new functions and services for home server systems need standardization such as Conceptual model for domain management

TA 9 with work on Requirements for home multimedia gateway devices

TA10 with work on Digital Audiobook File Format and Player Requirement

TA11 with work on Multimedia systems quality issues such as Audio Loudness issues

There are clearly aspects of IEC TC100 work on areas such as colour management which are important to various TCs in JTC1 such as JTC1 SC37, SC24 and SC29 and potentially SC17 also. Some of the relevant information is shared at SCIT (Steering Committee on Image Management) meetings where representatives of all these JTC1 committees are present and IEC TC100 is an observer. However SCIT focuses on issues related to image technology and there is not a similar body collating information on work in other aspects.

JTC1 experts can find more information about current IEC TC100 work at [http://tc100.iec.ch/index\\_tc100.html](http://tc100.iec.ch/index_tc100.html)

IEC TC100 has followed the work in JTC1 SWG-A, and as a result:

- A stage 0 project for “Accessibility for audio, video and multimedia systems and equipment” was initiated at IEC TC100 plenary meeting on 12 October 2007. (See 100/1325/INF)
- Undertaken a survey of Opinions and National Body Positions in IEC TC100, and this was achieved by soliciting NC responses to an IEC Administrative Circular (**100/1398A/AC** issued May 2008 with 17 specific questions and

also a general query about whether to include issue of accessibility on NWIP form)

- Responses will be collated and reviewed at a series of meetings at the TC100 meeting in Brazil (17-21<sup>st</sup> November).
- Intended output a TR on Usability Considerations for Audio, Video, and Multimedia Systems and Equipment Standardization with proposed contents:
  - *Scope*
  - *Normative references*
  - *Definitions*
  - *Standardization: Recommendations and Options*
    - *Survey*
    - *Demographics*
  - *Regulations in the IEC TC100 Member Countries*
    - *Differences and similarities*
    - *The potential for standardization with consideration of regulations*
  - *ISO/IEC JTC1 and other liaison activities*
  - *Product Design Flexibility and Personalization*
  - *Compatibility with Assistive Technologies (AT)*
  - *Cognitive, Perceptive, and other Universal Design needs for Entertainment Products and Services*
  - *Guidance for including accessibility considerations in IEC TC100 standardisation*
  - *Predictions about how Regulations and standards will impact the future IEC TC100 projects*
  - *Recommendations for IEC TC100 New Work Item Proposals*
  - *Summary and Conclusions*

As the JTC1 Liaison Officer to IEC TC100 I would find it helpful if Convenors notified me of relevant new work in JTC1 which I should draw to the attention of IEC TC100 at their formal AGS, AGM and plenary meetings. Currently the interchange focuses on information I acquire during plenary meetings (from SC reports etc) and by my direct participation in certain JTC1 SCs and SWGs. The benefits of maintaining this active liaison would be increased if, as liaison officer, I got more input from JTC1 experts on areas of common interest to both JTC1 and IEC TC100.

The next IEC TC100 plenary meeting (and associated AGS, AGM, TA and PT meetings) will be in the week immediately following the JTC1 plenary (Brazil 17-21<sup>st</sup> November) and I will provide the JTC1 secretariat with a report on the main meetings in December so that relevant information is provided in a timely fashion and well before the next JTC1 plenary meeting.