

**ISO/IEC JTC 1
Information Technology**

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What is new (1)

- Work items :
 - Publications of 2 ISs (ISO/IEC 19775-1.2 Amd. 1, 19776-2.2 Amd. 2) on X3D.
 - 7 documents (2 FDIS, 1 FDAM, 4 FPDAM) progressed to ITTF.
 - 5 NWIP projects on X3D and MR in scope of WG 6.



What is new (2)

- 3 NWIPs concerning SEDRIS of WG 8 :
Amendments to
ISO/IEC 18023-1,
ISO/IEC 18023-3,
ISO/IEC 18024-4.



What is new (3)

- Participants : no new P/O members.
(10 P-nations + 23 O-nations)
- Liaisons : no new liaisons.
(5 Internal to ISO + 12 External)



User Engagement (1)

SEDRIS ISs (ISO/IEC 18023, 18024, 18025, 18026, 18041, 18042) of WG8

- Participation : SC 24/WG 8, SEDRIS Org., SISO, Open GIS Cons., DGIWG, etc.
- Requirements addressed : data representation of the total environment - terrain, ocean, atmosphere and space.
- Challenges : Publication and TR: *"Template for SEDRIS DRM"* (ISO/IEC TR 24788) to increase the use of the published ISs.



User Engagement (2)

X3D ISs (ISO/IEC 19775, 19776, 19777) of WG 6

- Participation : SC 24/WG 6, W3C, Web3D Cons., Khronos Group, etc.
- Requirements addressed : acceptable to apply widely on the visualization fields.
- Challenges : XMSF, X3D CAD, X3D Earth, Supporting for DICOM.



User Engagement (3)

Procedures of the Register of Items (ISO/IEC 9973) of WG 7

- Participation : SC 24/WG 7 and WG 8.
- Requirements addressed : registration of items relating to SC 24 standards.
- Challenges : providing the services of a RA with the aid of JTC 1 *Livelink*.



Known Implementations :

- SEDRIS ISs : computer based applications for training, testing and evaluation involving data representation of the environment.
- X3D ISs : 3D on the web, geospatial and map representations.
- Procedures of the Register of Items :
SC 24 registry of items.



Outreach (1)

■ Articles :

- Ha-Jine Kimn, "*International standardization activity of ISO/IEC JTC 1/SC 24*", Bulletin of KIISE, vol. 26, no. 6, June 2008 (in Korean).
- Ha-Jine Kimn, "*The roadmap of international standardizations in SC 24*", Workshop of Korea JTC 1/SC 24, Phoenix Park, Feb. 2009 (in Korean).
- F. Mamaghani, "*Integration of Data, Integration of Systems and the role of Standards*", Special Workshop at SISO 2009 fall Simulation Interoperability Workshop.
- J. Cogman, "*Comparing Two Approaches to the Reuse of Environmental Data*", Special Workshop at SISO 2009 Fall Simulation Interoperability Workshop.



Outreach (2)

- Citing by External Sources :
 - Ha-Jine Kimn, "*3D fitting technology in synthetic environments*", Research Report of KISTI, November 2008 (in Korean).



Challenges (1)

- Impediments to success :
 - Facilitating uses & implementations of existing SC 24 ISs,
 - Seeking our consortia & organizations with open processes as partners,
 - Maximizing contribution by seeking out new innovative work items,
 - Managing our efforts practically for market opportunities technical quality.



Challenges (2)

- Importance given to stability and maintenance of ISs to achieve interoperability and to secure investment into individual products.

■ Collaborative Work

- Works on SCIT (Steering Committee on Image Technology) in ISO: the most appropriate forum to resolve harmonization issues in image technology.



Issues or Needs (1)

- Resource Constraints :
 - Increasing P members without commitment to participate actively.
 - Register items for SC 24 being supported by ISO MA/RA web-site with a link to SC 24 Registry web site.
 - Lack of sufficient number of experts & national bodies to willingly participate in standards development related to very short ICT life cycle.



Issues or Needs (2)

- Lack of support for co-operative development because of partner's change of objectives & directions.
- Need to actively expand P-member NB in South America & Africa.



2010 (1)

■ New Directions :

- Development of ISs describing data from spectral, optical, radar, laser, polar-metric & advanced remote sensors.
- Application of standardization metadata in support of data archival, discovery & retrieval.
- Exploitation capabilities to apply to imagery & remotely sensed data.



2010 (2)

- Date/Location of next SC 24 plenary :
June 28 –July 2, 2010 : **Busan**, Korea,
Republic of.



Thank you for your attention!