

ISO/IEC JTC 1/SC 24**Computer graphics, image processing and environmental data representation****Secretariat: BSI (United Kingdom)**

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**Recommendations of ISO/IEC JTC 1 / SC 24/WG 8 to
SC 24 Plenary Meeting, Beijing, China
22-26 August 2016**

Resulting from the WG 8 Plenary Meeting on 25 August 2016

Part 1: Progression of Work

1. Programme of Work

ISO/IEC JTC1/SC 24/WG 8 approves the programme of work and document editors described in the table below:

Short Title	Reference	WG	Editor	CD/PDAM/P DTR	DIS (FCD)/ FPDAM	FDIS/FDAM/DTR	IS*/ AMD/ TR
No active projects							

The dates shown indicate the start of the ballot for the appropriate document

- Anticipated date of IS/Amd/TR publication

2. Proposed New Item for ISO/IEC 18026 (SRM)

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to approve a New Work Item being raised, along with CD/DIS text, for the following standard that will incorporate the work already developed for the previous, but discontinued, 18026 Ed.3 project:

Document Title

ISO/IEC 18026 Ed 3 Revision

3. Proposed New Items

Whereas:

Revision work on ISO/IEC 18025 (EDCS) and ISO/IEC 18026 (SRM) requires modification to other SEDRIS standards, including the respective language bindings, when ISO/IEC 18026 (SRM) Ed 3 has been published.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 advises SC 24 that it intends to raise New Work Items, along with CD text to incorporate the necessary enhancements to the following standards:

- ISO/IEC 18023-1 Ed. 2 SEDRIS Part 1 Revision
- ISO/IEC 18023-3 Ed. 2 SEDRIS Part 3 Revision
- ISO/IEC 18024-4 Ed. 2 SEDRIS Language binding Revision
- ISO/IEC 18042-4 Ed. 2 SRM Language binding Revision
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4. Support for New WG 8 Work

ISO/IEC JTC 1/SC 24/WG 8 plans to continue its cooperative work, in conjunction with the SEDRIS Organization, with OKTAL-SE, Chungbuk National University, the Enterprise Data Services (US DoD) program, Simulation Interoperability Standards Organization, and others on the possibility of new work in the following areas:

- Reuse and Interoperation of Environmental Data and Processes (RIEDP)
- Representation of material roughness for sensor simulation
- Representation of a dynamic sea model
- Representation of procedurally generated geometry and terrain
- Handling of varied and detailed metadata information for generation and processing of environmental data
- Representation of digital holographic data content for generation and display of holographic information
- Using X3D to portray SEDRIS data

5. Promoting Joint Work with TC 211

Whereas:

Continued opportunity for joint work with ISO/TC 211 (Geographic information/Geomatics) exists.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to continue the authorization of the following individuals to act as subject matter experts:

Dr. Paul Berner
Ms. Laura Moore
Mr. Craig Rollins
Mr. Kurt Schulz
Mr. Kevin Trott

plus additional subject matter experts as may be deemed appropriate for a given task, to actively participate with TC 211 spatial experts in order to promote and facilitate joint work with TC 211.

6. Continuation of the Cooperation with the SEDRIS Organization

Whereas:

- a) cooperation during the last year between ISO/IEC JTC 1/SC 24 and the SEDRIS Organization has been productive and to the mutual benefit of both organizations;
- b) there are additional SEDRIS-related standards projects in process that emanate from the SEDRIS Organization and National Bodies, and therefore additional future work is anticipated.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests that SC 24 endorse the continued successful cooperation with the SEDRIS Organization in the development of additional ISO/IEC work items related to SEDRIS-based standards.

7. Continuation of Cooperation with the Open Geospatial Consortium (OGC)

Whereas:

ISO/IEC JTC 1/SC 24 and OGC have mutual interest in several specific projects, where each might apply base technologies developed by or in development within the other.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests that SC 24 endorse the continued cooperation with OGC.

8. Continuation of Cooperation with the Simulation Interoperability Standards Organization (SISO)

Whereas:

ISO/IEC JTC 1/SC 24 and SISO have mutual interest in several specific projects, where each might apply base technologies developed by or in development within the other.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests that SC 24 endorse the continued cooperation with SISO.

9. ISO Web Site for Maintenance Agencies and Registration Authorities (MA/RA)

It is observed that although the ISO MA/RA web site has been updated as a result of resolution 19 of the 2015 SC 24 Resolutions, the web address for 18023 and 18025 is still given as the BSI web site, rather than the SC 24 Registry page/web site and for 18026, the web site is correct but the contact (Dr. Charles Whitlock) has been removed.

ISO/IEC JTC 1/SC 24/WG 8 requests the SC 24 Secretary to contact the MA/RA administrator to report this discrepancy and to request a correction.

10. Extension of Classes in the SC 24 Registry

Whereas:

ISO/IEC JTC 1/SC 24 maintain a Register of Items based on LiveLink that is accessible via <http://www.iso.org/jtc1/sc24/register>. At present, only a limited number of registered classes have links to active sections.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests the SC 24 Secretary to support WG 8 in their joint efforts with ISO staff to enable the extension of the SC 24 Registry to one or more classes.

11. Inconsistent Information relating to Liaison Organizations

Whereas:

The information relating to Liaison Organizations that is given on the ISO web site page for SC 24 (http://www.iso.org/iso/home/standards_development/list_of_iso_technical_committees/iso_technical_committee.htm?commid=45252) is inconsistent with the liaison category definitions given in the ISO directives and with similar information given elsewhere on Livelink.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests the SC 24 Secretary to support WG 8 in their joint efforts with ISO staff to enable the correction of these inconsistencies in Liaison Organization information.

Part 2: Liaison

12. External Liaison Officers

ISO/IEC JTC1/SC 24/WG 8 recommends the appointment of the following external liaison officers:

Representative	Liaison to	Topic
Richard Puk	SEDRIS Organization	SEDRIS technology
Chris Body	TC 211	SEDRIS technology
Kevin Trott	OGC	SEDRIS technology
Rob Cox	Digital Geographic Information Working Group (DGIWG)	SEDRIS technology
Louis Hembree	International Hydrographic Organization (IHO)	SEDRIS technology
Craig Rollins Paul Berner Kevin Trott	International Astronomical Union/International Association of Geodesy (IAU/IAG) Working Group on Cartographic Coordinates and Rotational Elements of the Planets and Satellites	Spatial referencing
Tim Gifford Roy Scrudder	Simulation Interoperability Standards Organization (SISO)	SEDRIS technology
Jack Cogman	NATO Modelling and Simulation Group (NMSG)	SEDRIS technology
Craig Rollins Paul Berner Farid Mamaghani	ISO Geodetic Registry Network	Spatial referencing

Part 3: Administration

13. Appointment of Editors

ISO/IEC JTC1/SC 24/WG 8 recommends the following:

Document No.	Document Title	Editor
18023-1	SEDRIS Functional Specification	Puk, Mamaghani, Worley
18023-2	SEDRIS Transmittal Format	Puk
18023-3	SEDRIS Transmittal Format – Binary Encoding	Puk
18024-4	SEDRIS Language Binding Part 4 : C	Puk Worley
18025	Environmental Data Coding Specification (EDCS)	Cox, Hembree, Worley

18026	Spatial Reference Model (SRM)	Berner, Trott
18041-4	EDCS Language Bindings, Part 4: C	Puk Worley
18042-4	SRM Language Bindings, Part 4: C	Puk Worley
9973	Procedure for registration of items	Puk, Mamaghani

14. Appointment of Rapporteurs for Sections of the Register

ISO/IEC JTC 1/SC 24/WG 8 re-appoints Dr. Paul Berner to be the Rapporteur for the SRM.

ISO/IEC JTC 1/SC 24/WG 8 re-appoints Mr. Youngsoo Kwon as the Rapporteur for the DRM. (TBC)

ISO/IEC JTC 1/SC 24/WG 8 re-appoints Mr. Farid Mamaghani to be the Rapporteur for the EDCS.

15. Future Meetings

ISO/IEC JTC1/SC 24/WG 8 informs SC 24 it has not planned any face-to-face meetings as a Working Group before next year's SC 24 Plenary. However, communication within the Working Group will continue by means of e-mail, telephone and web-meetings.

Meeting	Date	Venue
WG 8 Working Session and Plenary	2017	USA, DC area
WG 8 Working Session and Plenary	2018	Europe, possibly France
WG 8 Working Session and Plenary	2019	Asia or Australasia
Editing meetings	As required	Web conference

16. Thanks to David Arnold and David Duce

ISO/IEC JTC1/SC 24/WG 8 wishes to thank David Arnold and David Duce, who are valued, previous members of SC 24, for their generous donation of four copies of their book "ISO Standards for Computer Graphics" for distribution to current SC 24 members.

17. Thanks to Organizers

ISO/IEC JTC1/SC 24/WG 8 wishes to thank the following people and institutions for their contribution to a smooth running, pleasurable, and efficient meeting:

- CESI for inviting ISO/IEC JTC 1/SC 24/WG 8 to meet in Beijing, China with very effective and useful WebEx connectivity;
- Ms. Cong Wang and the delegates from China for doing a great job as meeting organizers;
- Support from BIT for the excellent facilities.
- Support from NOITOM for the enjoyable social events and photos.
- Support from Crystal CG for the lunches and meeting rooms.
- Dr. Charles Whitlock, BSI, for the smooth operation of the Secretariat.