**ISO/IEC JTC 1/SC 24 N 4091**

**ISO/IEC JTC 1/SC 24/WG 8 N 0631**

**9-Aug-2018**

Recommendations of ISO/IEC JTC 1 / SC 24/WG 8

to

SC 24 Plenary Meeting, 10 August 2018

**OKTAL-SE, Vigoulet-Auzil, Toulouse, France  
06 – 10 August 2018**

Resulting from the WG 8 Plenary Meeting on 9 August 2018

Part 1: Progression of Work

# 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/PDTR | 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

# 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

# Support for Enhancements to Existing WG 8 Work

ISO/IEC JTC 1/SC 24/WG 8 requests support for the following proposals for new work within WG8:

Whereas:

Completed work on ISO/IEC 18025 (EDCS) and on-going revision of ISO/IEC 18026 (SRM) require modification to other SEDRIS standards, including the respective language bindings;

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests that SC 24 support New Work Items, along with CD text, to incorporate the necessary enhancements in 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—C Revision
* ISO/IEC 18042-4 Ed. 2 SRM Language binding—C Revision

# 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, SISO (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
* Representation of Wang tiling for texture data
* Representation of Patches of procedurally generated geo-typical data
* 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
* Guidelines and Techniques for using X3D to portray SEDRIS data
* C++ and ECMAScript Language Bindings for SEDRIS Part 1

# 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. Kevin Trott

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

# 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 based on SEDRIS-based standards.

# 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.

# 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.

# Cooperation with ISO TC 184/SC 4/JWG 16

Whereas:

1. ISO/TC 184/SC 4/JWG 16 has a scope that overlaps that of ISO/IEC JTC1/SC24/WG 8;
2. there is an open invitation to ISO/IEC JTC1/SC24 for joint participation in the work of ISO/TC 184/SC 4/JWG 16;
3. a useful discussion between ISO/TC 184/SC 4/JWG 16 and ISO/IEC JTC 1/SC 24/WG 8 took place during this week; and
4. there are areas of common interest between the two groups.

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 endorses the cooperation and participation in the work of ISO/TC 184/SC 4/JWG 16 and requests SC 24 to invite ISO/TC 184/SC 4/JWG 16 to hold future joint meetings with ISO/IEC JTC 1/SC 24. Furthermore, ISO/IEC JTC 1/SC 24/WG 8 requests the active and on-going exchange of relevant documents and asks that ISO/TC 184/SC 4/JWG 16 develop procedures for the active participation of SC 24 technical experts in their work.

# Inconsistent Information relating to Liaison Organizations

To conform to the revised definition of Liaison Categories A, B, C and D given in the ISO/IEC Directives, WG 8 requests the SC 24 Secretariat to clarify the liaison categories of the current SC 24 Liaisons are correct and inform the Liaison Organizations in cases where the liaison category has changed. In addition, verify that the information given for Liaison Organizations on the ISO SC 24 web page (<https://www.iso.org/committee/45252.html>) is correct

# Part 2: Liaison

# 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 | ISO/TC 211/WG 6 | SEDRIS technology |
| Jack Cogman | ISO/IEC/TAG 14 | ISO Technical Advisory Group 14 on Image 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

# 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 |

# Appointment of Rapporteurs for Sections of the SC 24 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. Farid Mamaghani as the Rapporteur for the DRM.

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

# 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 | 26 -30 August 2019 | Takamatsu, Japan |
| WG 8 Working Session and Plenary | 2020 | North America |
| WG 8 Working Session and Plenary | 2021 | Europe |
| Editing meetings | As required | Web conference |

# 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:

* The SEDRIS Organization and OKTAL-SE, in coordination with AFNOR, for inviting ISO/IEC JTC 1/SC 24 to meet in Toulouse, France, with very effective and useful web conferencing connectivity;
* Ms. Carole Nissoux, Ms. Ingrid Gau, Mr. Thierry Cathala, and Mr. Jean Latger from OKTAL-SE along with Mr. Farid Mamaghani from the SEDRIS Organization for doing a great job as meeting organizers;
* Support from OKTAL-SE for the excellent facilities, services, and catering.
* Dr. Charles Whitlock, BSI, for the smooth operation of the Secretariat.