**ISO/IEC JTC 1/SC 24/WG 8 N 0640**

**29-Aug-2018**

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

to

SC 24 Plenary Meeting, 30 August 2019

**Sunport Hall, Takamatsu-shi, Kagawa-ken 760-0019, Japan
26 30 August 2019**

Resulting from the WG 8 Plenary Meeting on 29 August 2019

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/CDAM/PDTR | DIS (FCD)/FCDAM | 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 Work 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 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 the planned 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
* Guidelines and Techniques for using X3D to portray SEDRIS data
* C++ Language bindings for EDCS, SRM and SEDRIS part 1

# Request ISO/IEC 18041-4:2016 to be corrected and made Publicly Available

ISO/IEC JTC 1/SC 24/WG 8 requests the SC 24 Committee Manager to verify with ISO the validity of the published version of ISO/IEC 18041-4:2016 that was provided to him, since the top line of the index page describes the document as “the draft DIS text….”.

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to approve the corrected version of ISO/IEC 18041-4:2016 and to inform ISO/IEC that the corrected 18041-4:2016 may be made publicly available, since the older version is already freely available and the current version is freely available elsewhere.

# Request Clarification on the UN Sustainable Development Goals (SDGs) required for NWIPs

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to seek clarification of the UN specified Sustainable Development Goals that are required to be declared when submitting a New Work Item Proposal (NWIP), in particular:

* The level of justification expected for each SDG
* Whether it applies only to new and future NWIPs

# Request Cat A Liaison to JTC 1/WG 11 Smart Cities

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to establish a Category A liaison with JTC 1/WG 11 Smart Cities, with whom both WG 8 and AG SIV plan to work on co-operative future developments.

# Evaluation of Scope and Work of SC 24/WG 8 and SC 24/AG Systems Integration Visualization

Whereas:

1. There appears to be some commonality between SC 24/WG 8 and SC 24/AG SIV; and:
2. SG SIV plans to submit one or more NWIPs;

Therefore:

ISO/IEC JTC 1/SC 24/WG 8 requests SC 24 to investigate the relative scopes, aims and programmes of work of SC 24/WG 8 and SC 24/AG SIV, with a view to determine whether the AG should be moved to a Working Group or whether the two should be combined into a single Working Group.

# 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

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; and
3. 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.

# 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 |
| Kevin Trott  | OGC | SEDRIS technology |
| Rob Cox | Digital Geographic Information Working Group (DGIWG) | SEDRIS technology |
| Louis Hembree | International Hydrographic Organization (IHO) | SEDRIS technology |
| Craig RollinsPaul BernerKevin 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 GiffordRoy Scrudder | Simulation Interoperability Standards Organization (SISO) | SEDRIS technology |
| Jack Cogman | NATO Modelling and Simulation Group (NMSG) | SEDRIS technology |
| Craig RollinsPaul BernerFarid 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 | 2020 | Melbourne, Fl, USA |
| WG 8 Working Session and Plenary | 2021 | Europe |
| WG 8 Working Session and Plenary | 2022 | Asia/ Australasia |
| 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:

* Masaki Aono of Toyohashi University of Technology, Takeshi Kurata of the National Institute of Advanced Industrial Science and Technology (AIST),
* ITSCJ and JISC for organising the meeting;
* Support from the City of Takamatsu;
* Support from the Prefecture of Kagawa.
* Dr. Charles Whitlock, BSI, for the smooth operation of the Secretariat.