**ISO/IEC JTC 1/SC 24/WG 8 N0639**

**SC 24/WG 8 Convener’s Report**

**for the**

**WG 8 and SC 24 Plenary Meetings,**

**Takamatsu, Kagawa 760-0019, Japan**

**26 - 30 August 2019**

The progress during 2018-19 of SC 24/WG 8, in co-operation with the SEDRIS Organization, is summarized in this report.

WG 8 is responsible for standards relating to the representation and interchange of environmental data. The current versions of the WG 8 Standards are unchanged from last year and are as shown in the table below;

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| --- | --- |
| **Standard** | **Current Status** |
| ISO/IEC 9973 Procedures for registration of items | Ed. 3 published July 2013. |
| ISO/IEC 18023-1: SEDRIS Functional Specification (DRM and API) | Ed. 1 Amd.1 Published June 2012. |
| ISO/IEC 18023-2: SEDRIS Abstract Transmittal Format | Ed. 1. Published July 2006. |
| ISO/IEC 18023-3: SEDRIS Transmittal Format Binary Encoding | Ed. 1 Amd.1. Published June 2012. |
| ISO/IEC 18024-4: SEDRIS Language Binding to C | Ed. 1 Amd.1. Published June 2012 |
| ISO/IEC 18025: Environmental Data Coding Specification (EDCS) | Ed. 2. Published February 2014. |
| ISO/IEC 18041-4: EDCS Language Binding to C | Ed. 3 Published May 2016. |
| ISO/IEC 18026: Spatial Reference Model (SRM) | Ed. 2. Published July 2009. |
| ISO/IEC 18042-4: SRM Language Binding to C | Ed. 1 Amd.1. Published June 2011. |

In May of this year, the SC 24 Secretary (now referred to as Committee Manager) received an email from the Technical Programme Manager at ISO to remind us that WGs that do not have any work items in their schedule, need to be disbanded. This is the case with WG 8, so it is essential that New Work Items are proposed.

Based on the on-going web-based graphics work by the Korean National Body to visualize various SEDRIS data, the following NWIPs will be presented for approval at the 2019 Plenary in Takamatsu, Japan:

SEDRIS Language Binding for C++

EDCS Language Binding for C++

The previous high priority task of completing the upgrade of 18026 (SRM) to Ed. 3 cannot be started at present due to insufficient resources, so will have to wait.

All WG 8 documents published since May 2015 are on both the WG 8 Document Register and the LiveLink SC 24/WG 8 General Document folder.

WG 8 has been involved with two other developments, both of which are to widen the use of the SEDRIS set of standards.

The SISO project for RIEDP (Reuse and Interoperation of Environmental Data and Processes) provides two products: the RIEDP Data Model Foundations, a SISO Guidance product, and the RIEDP Detailed Features Description, a SISO Standard.

Both of these documents make use of existing WG 8 standards.

Support is being given to the SC 24 Study Group on System Integration Visualization (SIV). At the JTC 1/WG 11 Smart Cities meeting held in July at BSI London, a presentation was given to show how SC 24 standards could help to visualize Smart City data.

Further information on both RIEDP and Smart Cities will be given in the Technical Presentation session at the Takamatsu Plenary.

WG 8 members have also made contributions to the development of some of the WG 9 standards for MAR.

There have been no face-to-face WG 8 meetings since the 2018 Plenary in Toulouse, France. Work has continued, however, via web meetings and e-mail.

The current WG 8 Convenor has been in post for almost 20 years and feels it is time for a change. He therefore plans to announce at the 2019 SC 24 Plenary in Takamatsu his intention to stand down as WG 8 Convenor.

Respectfully submitted,

Jack Cogman,

Convenor ISO/IEC JTC 1/SC 24/WG 8: Environmental Data Representation

2019-08-09