

1 August 2018

SEDRIS Organization Report
to
ISO/IEC JTC 1/SC 24 and WG 8
SC 24 and WG 8 Plenary Meetings
Toulouse, France
6 - 10 August 2018

During the past 12 months, SEDRIS Organization has continued its contributions to both new and on-going work of SC 24 and its working groups. This report is a summary of key parts of those contributions and SEDRIS Organization's efforts.

SEDRIS Organization, in conjunction with OKTAL-SE, coordinated the preparation, arrangement, and organization of the 2018 SC 24 meetings at the OKTAL-SE facilities near Toulouse, France. It is hoped that the venue provides a productive technical setting for the SC 24 meetings.

SEDRIS Organization continued its support of SC 24 activities in 3D Printing and Scanning, Big Data, Sensors/Smart Cities, and related areas, where SC 24 standards will play a key role and will support JTC 1 initiatives in these fields. Most specifically, contributions were made to an initial report being developed by SC 24's newly formed *Systems Integration for Visualization* Study Group.

SEDRIS Organization's contributions to the development and review of WG 9 standards on Mixed and Augmented Reality (MAR) have continued. Related efforts since last year have included review of CD and DIS texts for several standards being developed within WG 9, and participation in WG 9 meetings.

The work in Smart Cities and the on-going work in mixed and augmented reality are highly relevant to the existing capabilities and standards in networked modeling and simulation applications, in which live and virtual environments are combined and integrated. Experiences gained in the networked modeling and simulation domain, including the concepts and capabilities found in the suite of SEDRIS standards, are valuable assets to Smart City and MAR efforts, and will contribute to the underlying data models, architectures, and representation techniques.

Through participation with Simulation Interoperability Standards Organization (SISO) efforts, SEDRIS Organization continued to make significant contributions to the development of standards in SISO's RIEDP PDG (Reuse and Interoperation of Environmental Data and Processes - Product Development Group), as well as continued support to the work of SISO's EDRS PSG (Environmental Data Representation Standards - Product Support Group) on environmental data standards. The RIEDP efforts make use of the SEDRIS standards, and are highly relevant to the work of SC 24 and WG 8. The first product of the RIEDP PDG will soon become a SISO-published Guidance Product.

The close cooperation of SEDRIS Organization and key geodesy experts at the US National Geospatial-Intelligence Agency (NGA) successfully continues on various projects and efforts of mutual interest.

On the existing suite of SEDRIS standards and registries, no new SEDRIS work was commenced over the past 12 months.

SEDRIS Organization looks forward to continued productive work with SC 24 and its working groups in developing, progressing, and promoting the SC 24 standards.

Respectfully submitted,

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SEDRIS Organization
1 August 2018