ISO/IEC JTC 1/SC 24 N3507
ISO/IEC JTC 1/SC 24/WG 8 N0581

29 August 2013

SEDRIS Organization Report
To
ISO/IEC JTC 1/SC 24 and WG 8
SC 24 and WG 8 Plenary Meetings
Sydney, Australia
26 - 30 August 2013

Since the 2012 meetings in Brussels, the SEDRIS Organization, working closely with ISO/IEC JTC 1/SC 24 / WG 8, has advanced and/or completed the work on several SC 24 and SEDRIS standards, either to their next stage or to publication. This includes the finalization of the work on Edition 3 of ISO/IEC 9973, the completion of the work on the Edition 2 of ISO/IEC 18025 (EDCS) and its advancement to FDIS stage in July 2013, and the progression of the work on Edition 3 of the of ISO/IEC 18041-4 (EDCS LB) through its CD stage.

Significant work was done during the last year to prepare the text for the EDCS, SRM, and 9973 standards, and to enhance the EDCS Registry interface with new functionality to support the new content and capabilities in the EDCS standard. Edition 3 of ISO/IEC 9973 was published in July. The FDIS text for Edition 2 of ISO/IEC 18025 (EDCS) is currently in ballot, with the ballot closing in October 2013. New changes and an improved interface have been implemented for the EDCS Registry to support the new capabilities introduced in Edition 2 of EDCS. Once the Edition 2 of EDCS has been published, the new EDCS Registry will replace the existing one. For the Edition 3 of ISO/IEC 18026 (SRM), the preparation of the FDIS text has only been partially completed, due to resource limitations. Much effort has been expended to incorporate the required changes from the resolutions of the SRM DIS comments. These have included the consistent use of terminology throughout the standard and the significant improvements to concepts and figures of Clause 6 (Rotation and Orientation). However, the scope of these changes and their interdependencies with other existing concepts in the standard is broad and complex, and additional work remains before the final document can be completed. Unfortunately, the unanticipated impacts from the US government sequestration and budget issues have temporarily halted the progression of the SRM FDIS text. This is a significant issue, because based on current ISO schedule the FDIS text for Edition 3 of ISO/IEC 18026 has a final submission date of 2013-10-20, yet more than several months of work remains before this can be accomplished. We are hopeful that the austerity measures of the US budget process, which have impacted this and several other work efforts, will be resolved in the next few months, and the work on the SRM can resume quickly. However, since this will not meet the ISO schedule timelines, and an immediate end to these strenuous circumstances, which are beyond our control, cannot be guaranteed, we request that a twelve month extension be added to the SRM schedule to provide sufficient time for preparation of the final parts of the SRM FDIS text and to avoid any unnecessary automatic cancellation.

As a result of changes to both the EDCS and the SRM standards, updates to their corresponding Language Bindings, as well as to the other SEDRIS standards, are necessary. For the EDCS Language Binding (ISO/IEC 18041-4), the CD text and a New Work Item Proposal were prepared during the last year, and the CD ballot has been successfully completed. Since its DIS text is not expected to be very complicated, the anticipated release

of EDCS LB DIS is projected for spring or early summer of 2014. The following four new work item proposals will still need to be generated:

- Edition 2 of SRM Language binding (ISO/IEC 18042-4)
- Edition 2 of SEDRIS Part 1 (ISO/IEC 18023-1)
- Edition 2 of SEDRIS Part 3 (ISO/IEC 18023-3)
- Edition 2 of SEDRIS Language binding (ISO/IEC 18024-4)

However, given the US government budget uncertainties, we have had to withhold the release of their respective NWIPs to avoid the start of the ISO clock until such time that we can be reasonably certain that continuity of work will not be severely interrupted by additional budget issues, once the work has started.

During the last year, the resource priorities were focused on completing the 18025 and 9973 standards and on progressing the 18026 document. As a result, with limited resources, the preparation of ballot packages for previously submitted EDCS Registry items had to be delayed.

The implementation of all changes to the standards has culminated in the completion of the pre-release beta version of the new 4.5 SEDRIS SDK (software development kit), and its associated array of numerous tools and utilities. The final testing of these tools and the SDK implementations has also been on hold because of the US budget issues. These tools and SDKs would allow the user community to take early advantage of the capabilities being added to the standards for use in their applications and software development activities. Their final testing and release will resume, once the funding deficiencies have been resolved.

The SEDRIS Organization has also actively continued its effort and support for the WG 9 work on Augmented Reality and associated reference models, by participating in numerous WG 9 meetings and providing comments and feedback. The AR/MAR is an area that is highly relevant to modeling and simulation activities that mix live and virtual environments. Therefore, the standards developed and maintained in WG 8 are also relevant to the work of WG 9 and the underlying data models and architectures. There are several areas of concern with respect to the work in this area, although none of these concerns are technical. One key issue is the up front assurance that, similar to all SC 24 standards, the standards being developed in WG 9 will be free of IPR issues and royalty requirements. This is the intent of WG 9 efforts, but there seems to be hesitations from some other organizations for openly declaring that there will not be any IPR or royalty issues. A clear declaration is critical to successful adoption and use of standards and to the open and cooperative development of standards. The second area of concern is the lack of clarity with regards to which organization (if not WG 9) will be responsible for the future maintenance of the standards that WG 9 will be developing. This needs to be made clear. Finally, the relationships between the various parts of ISOIEC 18521 must be crisply defined and revisited to ensure that subsequent parts are either being built on the core standard or are produced as separate (but related) standards. We look forward to continued work with, and the success of, ISO/IEC SC 24 / WG 9.

The 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,

Farid Mamaghani
SEDRIS Organization
29 August 2013