Status Update on 18024-5

<table>
<thead>
<tr>
<th>Document type</th>
<th>Related content</th>
<th>Document date</th>
<th>Expected action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meeting / Working documents for discussion</td>
<td>Meeting: <a href="#">VIRTUAL 19 Jul 2021</a></td>
<td>2022-01-24</td>
<td>INFO by 2021-07-19</td>
</tr>
</tbody>
</table>

Description

Updates on 18024-5 SEDRIS C++ language bindings by Prof. M W Lee
Updates on 18024-5 SEDRIS C++ language bindings

ISO/IEC JTC 1/SC 24 Plenary & WG Meetings (Online Meeting)

July 12 – August 4, 2021 UTC

Myeong Won Lee (U. of Suwon)
Summary

1. Scope
2. Normative references
3. Concepts
4. Tables
5. Definitions of fundamental data types
   - 5.2.7 Set data types
   - 5.4 Record data types
   - 5.6 Function data types
6. Function definitions
   A. Data types in compilation order and external functions
Updates on 1 Scope – 4 Tables

• Similar to ISO/IEC 18024-4 SEDRIS language bindings – Part 4: C
• Adapted to C++
• Include C++ in references
Updates on 5 Definition of fundamental data types

5.2 Mapping of basic fundamental data types → partially updated
5.3 Structured fundamental data types → no updates
5.4 Record data types → partially updated
5.5 Private data types → no updates
5.6 Function data types → no updates
5.7 Data types from ISO 19115 → no updates
Updates on 6 Function definitions

6.2 API functions

- Total number of functions: 85
- Number of updated functions: 48
- Undefined in SDK: 37

Updates considering the following

- Class and struct definition
- Function overloading
- Return object type and class
- SDK implementation
- API definition in SEDRIS 18023-1
Updates on Annex A

• Updated corresponding to clause 5 data types and clause 6 functions
• To be re-examined with SEDRIS API
Conclusions

- NWIP submission with the updated WD
- Implementation of examples using SEDRIS SDK