

**ISO/IEC JTC 1/SC 24/WG 8 "Environmental representation"**

Convenorship: BSI

Convenor: Mamaghani Farid Mr

**Status Update on 18024-5**

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

**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

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# 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

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- **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

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**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

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## 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

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

# Conclusions

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