IODD_V1.1.4_Checker V1.1.13 R1

Release Notes

Karlsruhe, July 22nd, 2025

Content

1. Introduction:

For information on usage, see the User Manual IODD_V1.1.4_Checker_UserManual.pdf"

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2. Change notifications

V1.1.13 R1

- The following snippets are included:

  IODD-Snippets-CP.xml   V1.2.1   Release Date: 2025-05-09

  IODD-Snippets-SSP.xml   V1.2.3   Release Date: 2025-06-30

  IODD-Snippets-IOLS.xml   V1.1.5   Release Date: 2025-05-08

  IODD-Snippets-BT-FU.xml   V1.2.1   Release Date: 2025-05-08

- IODD-StandardUnitDefinitions1.1.xml:
  - Version V1.1.7 2024-05-24 exchanged to Version V1.1.9 2025-07-03
  - Unit codes 1713 to 1719 added: (% Abs, % T, AU, FAU, EBC, FNU, nS/cm)

V1.1.13

- The following snippets are included:

  IODD-Snippets-CP_V1.2.0.xml   Release Date: 2024-09-05

  IODD-Snippets-SSP_V1.2.1.xml   Release Date: 2025-02-06

  IODD-Snippets-IOLS_V1.1.4.1.xml Release Date: 2025-01-23

  IODD-Snippets-BT-FU_V1.2.0.xml Release Date: 2024-09-10

- Some improvements with error messages for errors in sub elements
- When determining the corresponding elements, the profileContraints attribute was not always checked.
- With external language files, different translations were not recognized.
- Checker Output information: not only IODD according to V1.1.3 are checked, but also newer
- Bugfix: Error with expression #tbd n..m #" in some cases. The expression is now interpreted correctly.
- Bugfix for checking the correct order of the FS process data items. The data types must be arranged in the following transmission order: Boolean, Integer16 and then Integer32.
- The reserved ranges reservedIndexRange, reservedSystemCommands, reservedEvents of the snippets are now checked to see whether they are in the ranges intended for them.

- Transition period from Checker V1.1.11 to use the Checker V1.1.13 changed until 2025-09-30
- The checker V1.1.12 should not be used anymore because of the updated IODD-Snippets

V1.1.12

Note: The Checker V1.1.12 was discontinued because of changes in the IODD-Snippets. The most important changes compared to Checker V1.1.11

- Check the profile representation in the IODD based on the IODD-Snippets which are available for every released profile. Snippets included:

     IODD-Snippets-CP_V1.2.0.xml   Release Date: 2024-09-05
     IODD-Snippets-SSP_V1.2.0.xml   Release Date: 2024-09-11
     IODD-Snippets-BT-FU_V1.2.0.xml Release Date: 2024-09-10
     IODD-Snippets-IOLS_V1.1.4.xml Release Date: 2024-09-10

- Transition period from Checker V1.1.11 to V1.1.12
  - The Checker V1.1.11 can be used until 31.03.2025. During this time this checker will show a warning that a newer checker is available.
  - The Checker V1.1.12 can be used from being published from end of September 2024. Its use is mandatory from April 2025.
- IODDs are no longer checked with Xerces
- Readme.txt substituted with IODD_V1.1.3_Checker_UserManual.pdf and IODD_V1.1.3_Checker_ReleaseNotes.pdf
- Check if ProcessDataRefCollection exists if process data also exists
- IODD-StandardUnitDefinitions1.1.xml
  - Version 1.1.5 2023-09-28 exchanged to Version V1.1.7 2024-05-24
  - Unit codes 1710 to 1712 added: (r/s², r/s³, rad/s³)
- IODDs are no longer checked with Xerces

     Since we have not been aware of any problems with the validation results with the .NET parser in the recent past and the generation of the executable files seems disproportionately complex to us, we have removed the option to validate with Xerces.