Report of the SDMX Technical Working Group (SDMX-TWG)

SDMX Global Conference

October/November 2023

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- **Scope**: toolkit for testing SDMX Rest web service implementation for compatibility with the SDMX standard

- **Status**

  - <mark>Official release: v3.4.0</mark> supporting SDMX 2.1 up to REST API v1.4

  - Under testing: structure management SDMX 3.0 ready

  - Under development: data management SDMX 3.0

  - Next: full SDMX 3.0 support

- How to learn more:

  - [GitHub - sdmx-twg/sdmx-tck: Certify the compliance and coverage of RESTful SDMX web services](#)

  - Sdmx.org (soon)

  - Sdmx.io (under construction)

- **Scope**: 'technology-neutral' standard language for defining validation and transformation rules for any kind of statistical data composed by a set of operators, their syntax and semantics.

- **Status**:

  - Official release: VTL 2.0 released in July 2018

- Under development:

  - VTL 2.1 (bug fixing, minor changes and new operators)

  - New format for documentation to improve readability, reduce inconsistencies and automatically generate VTL grammar

- **Outlook**:

  - TCK planned (four tool-implementing groups currently working)

  - Collaboration initiatives ongoing with several international organizations

- **Scope**: Holistic review of action syntax to manage data and metadata

  - Better terms ('Merge' instead of 'Append')

  - Specific new features to manage reference metadata and intentionally missing values

  - HTTP action verbs for structures and for data

  - Deprecation of features not anymore needed

- **Status**:

  - Released in May 2023

- **Scope**: new SDMX artefacts to define additional metadata (presentational, processing, …) instead of current usage of annotations, for greater flexibility and better validations

- **Status**: two options <mark>being discussed</mark>, both to support custom metadata (not just presentational).

  - One option makes use of the existing reference metadata capability

  - Second option is to support custom structure definitions

- **Outlook**: Paper discussing the merits of each option is being prepared for the next physical TWG meeting in December

- **Scope**: Global service to assure uniqueness of SDMX artefacts, allow their discovery and ease their sharing

- **Status**: <mark>Early PoC in place</mark>
  - Model to register and retrieve all SDMX endpoints (SDMX REST web services) containing the original artefact versions maintained by agencies

- **Outlook**:
  - Update the SGDS model according to the SDMX IM
  - Prepare appropriate formats for sharing the information
  - Develop an API for requesting information
  - Update the PoC