

Business Rules Validation of IWXXM formatted OPMET Messages

We are very proud to announce that our award winning aeronautical data validator platform now fully supports the schematron business rules for validation of IWXXM formatted Operational aeronautical meteorological (OPMET) messages. At present, the IWXXM business rules we use for validation enforces compliance with lot of aspects of Annex 3 of Meteorological Service for International Air Navigation.

The screenshot displays the 'Aviation Data Validation Platform' interface. The main area shows an XML document being validated. The status bar indicates 'Well-formed' and 'No schema issues, No rules issues, No rule definition issues'. The XML content includes elements like <xml version='1.0' encoding='UTF-8'?>, <iwxxm:METAR xmlns:iwxxm='http://codes.int/iwxxm/1.1', <observation xmlns:obs='http://codes.int/obs/1.0', <timeInstant xmlns:time='http://codes.int/time/1.0', <process xmlns:proc='http://codes.int/proc/1.0', <report xmlns:rep='http://codes.int/rep/1.0', <link href='http://codes.int/49-2/observable-property/MeteorologicalAer', and </iwxxm:METAR>. The 'Validator Details' panel on the right shows 'Line: 18', 'Severity: METAR 2', 'Name: METAR 2', and 'Location: (/)*[1]'. The 'Report' table at the bottom shows a single error entry:

Line	Severity	Name	SRV	Location
18	Err	METAR 2		(/)*[1]

iWXXM Business Rules Validation

Concept proofing tests to validate IWXXM formatted OPMET messages had been successfully conducted and it is immediately available for all registered users. The real time validation of large IWXXM documents is possible thanks to the unique, optimized service architecture with fastest XML validator and schematron rule evaluation engine currently available in the aviation industry.

Aeronautical Data Validation Platform has numerous unique capabilities. Built on the results of research activities, it is aware of all modern aviation data formats and supports predefined and custom business rules. The users can perform quality assessments for any kind of aeronautical documents verifying their conformance to industry standards. Users can also create custom validations for the most diverse business cases, which now becomes true for the weather data, as well.

Don't forget, the data validation ability is one of the most essential SWIM infrastructure features! Take advantages of SWIM technical infrastructure, test the data validation platform for free and check how it helps to ensure the highest possible data quality.

See the m-click.aero Validaton Platform in action. Meet us at World ATM Congress at stand **#1163C** or request a demo at validator@m-click.aero

About m-click.aero

m-click.aero is a Berlin (Germany) based software company that provides highly innovative aeronautical information management solutions. The product & service portfolio ranges from document based aviation data repositories and web services for data quality assessment to SWIM enabled B2B integration solutions.

All our on-premise components and cloud based services are developed using open standards. Since 1999 m-click.aero is a reliable partner in virtually all aviation segments helping its customers to improve their business processes by adopting and implementing the concepts of system wide information management.

Contact

m-click.aero
Am Borsigturm 40
13507 Berlin
GERMANY

Phone +49 30 35 10 25 36
solutions@m-click.aero
www.m-click.aero