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# Status update for AvXML

86th OGC Technical Committee

Frascati, Italy

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# Status update: AvXML-1.0

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- AvXML consists of aviation-specific GML application schema underpinned by generic weather GML application schema, XSD encoding, schematron ruleset, guidance documentation & examples
- Scope determined by ICAO Annex 3 Amd 76 (Nov 2013): TAF, METAR/SPECI and SIGMET OPMET reports
- AvXML-1.0 on schedule for release at end-September 2013: <http://wis.wmo.int/page=AvXML-1> & <http://schemas.wmo.int>
- Only minor changes since Release Candidate 2 published (May 2013)
- WMO Codes Registry now operational (<http://codes.wmo.int>) & provides authoritative vocabulary for compiling reports

# AvXML-1.0 Technical Regulation

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- AvXML will be formally specified within WMO Technical Regulation as new Annex of WMO No. 306 Manual on Codes
- Amendments to WMO Technical Regulation require approval from Technical Commission (CBS) and Executive Council
- Schedule for formal publication of amended Technical Regulation is July 2015; prior to this date AvXML-1.0 specification & guidance documentation available from <http://wis.wmo.int/page=AvXML-1>
- Efforts from WMO Expert Team (TT-AvXML) continue on development of formal Technical Regulation and supporting documentation

## - and also -



- ‘Concept of operation’ for operational transmission of XML-encoded OPMET data proposed to ICAO by European-region ICAO Data Management Group (EUR ICAO DMG)
- GTS headers for XML-encoded TAF (long & short), METAR/SPECI and SIGMET (general, volcanic ash & tropical cyclone) now approved allowing message routing of XML-encoded OPMET via existing data-exchange networks
- Planning is underway at ICAO regional level to establish test-bed facilities
- WMO and ICAO in discussion to determine maintenance and ownership regime for constituent elements of AvXML
- Next major amendment to AvXML (including new data types) expected in 2016 to support ICAO Annex 3 Amd 77.