Role of the Aviation DWG Metadata and GML profiles

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Background on metadata

• ICAO requirements
• Europe: INSPIRE Directive
• Madrid University profile
• Airport GIS
• ANZLIC
• ISO 19115 - metadata for datasets
• ISO 19115 Corrigendum
• ISO 19119 - metadata for web services
• ISO 19119 - Extensions of the service metadata model
• ISO 19139
• Content Standard for Digital Geospatial Metadata, NSDI
• ISO 639-2 language codes
• ISO 8601 - dates and times
• eTOD requirements
• Metadata profile AIXM 5.1
• EAD requirements
• MMI
Need for a AIXM 5.1 Metadata profile

- So far, effort was essentially put on implementing a draft Metadata profile for AIXM 5.1

- Need to focus more on the Metadata requirements!

- Objectives of AIXM 5.1 team:
  - Document the requirements in the same way that they were documented in the Inspire IR (Part B)
  - Need at least to cover Metadata requirements from ICAO, ADQ (Europe), Airport GIS (FAA), eTOD

- Metadata requirements from the Aviation DWG would naturally feed into the AIXM 5.1 Metadata requirements.
Metadata profile for Aviation Role of the Aviation DWG?

- The Aviation DWG would be the right place to identify Metadata requirements to support Aviation purposes.

- The Aviation DWG could support the future OWS “Aviation Thread” testbed with regards to the implementation of these requirements (Draft XML schema solutions).

- The A-DWG Metadata requirements could be handed off to a SWG for formal development and adoption.
GML Profile for Aviation
Role of the Aviation DWG?

- Requirements: which sources should be considered?
  - Simple feature profile by OGC
  - EAD document for current static data
  - AMDB requirements
  - FAA - Airport GIS requirements
  - ...

- The Aviation DWG has the necessary expertise to identify the right GML requirements supporting Aviation purposes.

- The Aviation DWG could support the implementation of a GML profile that would meet the A-DWG requirements
  - Support OWS “Aviation Thread
  - ...

Way forward

• Should the A-DWG form dedicated sub-groups...
  • Metadata profile sub-group ?
  • GML profile sub-group ?
  …meeting for instance on a monthly basis (Webex) ?

• Feedback ? Recommendations ? Other proposals ?

• Eurocontrol has already offered to host an OGC A-DWG technical meeting, focused on Metadata and GML profiles
  • In Eurocontrol HQ, Brussels
  • On October 21st/22nd 2010 (after the Digital NOTAM workshop)
Questions ?