Role of the Aviation DWG Metadata and GML profiles

Toulouse / 21-Sept-2010
Hubert LEPORI - Eurocontrol
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 ?