Global Harmonization Through Collaboration

AIXM – CCB Report

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EUROCONTROL

Federal Aviation Administration

AIR TRANSPORTATION INFORMATION EXCHANGE CONFERENCE - (FEATURING AIXM, WXXM AND FIXM)

August 28, 2012 - August 31, 2012
NOAA Auditorium and Science Center
Silver Spring, Maryland

CCB kick-off meeting

- ATIEC, 29 August 2012
- Agenda
  - Organisational aspects
    - AIXM CCB Charter
    - Registration process
  - AIXM 5.1.1
    - Potential changes
    - Planning
  - AIXM 5.2
    - Potential changes
    - planning

CCB Charter - approval

AIXM Change Management Charter

Article 1 – Objective

1.1. The further evolution of the Aeronautical Information Exchange Model (AIXM) shall be managed in the interest of the largest number of AIXM stakeholders ("Stakeholders").

1.2. A Change Control Board ("CCB") with international participation is therefore established, in relation with a Change Control Advisory Board ("CCAB"), both acting under the provision of this Change Management Charter ("Charter").

1.3. The objective of this Charter is to support the aeronautical information needs of the AIXM user community and of the larger aviation community through a disciplined, inclusive, and transparent approach to developing and approving new AIXM versions.

1.4. The AIXM evolution will be aligned with the evolution of other ATM information domain models (MET, Flight, etc) and with a potential global ATM information reference model, when established/deployed.

Article 2 – The Change Control Board ("CCB")

2.1. Tasks

2.1.1. The CCB is the primary body that decides on the further evolution of the AIXM. The CCB schedules the publication of new versions and gives a final approval to the set of changes to be included in new versions.

2.1.2. The CCB ensures the transparency of the change management process for all Stakeholders.

2.1.3. The CCB ensures the possibility to contribute in the change management process for all Stakeholders.

2.1.4. The CCB is responsible for the AIXM maintenance and evolution, which includes both the model and the associated documentation (e.g. Temporality Concept, UML to XSD Conversion, Business Rules, etc)

2.1.5. The CCB may also issue and/or endorse implementation guidelines for new AIXM versions, such as:

a) a list of new operational (data encoding) capabilities that are supported by a new AIXM version, thus enabling stakeholders to take informed decisions on their need to migrate an existing system to the new version;

b) a proposed implementation timeline, thus facilitating the synchronization between the different system upgrades, which is necessary for preserving the interoperability of these systems;

c) mapping guidelines between previous versions and the new version, in particular when changes in the model result in a complete restructuring of a concept;

d) sample data sets.

Version 0.8 | 23-AUG-2012

AIXM 5.1.1

- Minor Release
  - UML model - no changes to classes, attributes, associations
    - Migration from RationalRose (IBM) to EA (Sparx)
    - Possibly, improvements of definitions
  - XML Schema improvements/corrections
    - e.g. gml:identifier for <<objects>>
  - Associated documentation corrections/improvements?

AIXM 5.1.1

- Planning:
  - All candidate issues identified by end October 2012
  - Change Proposals defined by end November 2012
  - Review period until end 2012
  - Report to CCAB beginning of January 2013
    - INLCUDING A CANDIDATE RELEASE
  - Publication FEB 2013
    - UML model
    - XML Schema
    - Other documentation updates
    - Mapping guidelines and XSLT scripts AIXM 5.1.1 <-> AIXM 5.1

AIXM 5.2

- Regular update
  - backwards compatible with AIXM 5.1 (deprecation instead of simple removal)
  - allow new classes, properties, associations where **operationally** required
  - Including mapping rules to AIXM 5.1
  - eventually mapping code (XSLT) provided as part of the release

AIXM 5.2

- Planning:
  - All Change Proposals defined by end September 2013
  - Publication of Candidate Release by end 2013
  - Review period until end February 2014
  - Report to CCAB beginning of March 2014
  - Publication April 2014
    - UML model
    - XML Schema
    - Other documentation updates
    - Mapping guidelines and XSLT scripts AIXM 5.1 <-> AIXM 5.2
    - List of new capabilities and implementation timeline recommendation

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