

Enabling Information Sharing thru Common Services

AIXM – Change Management Process

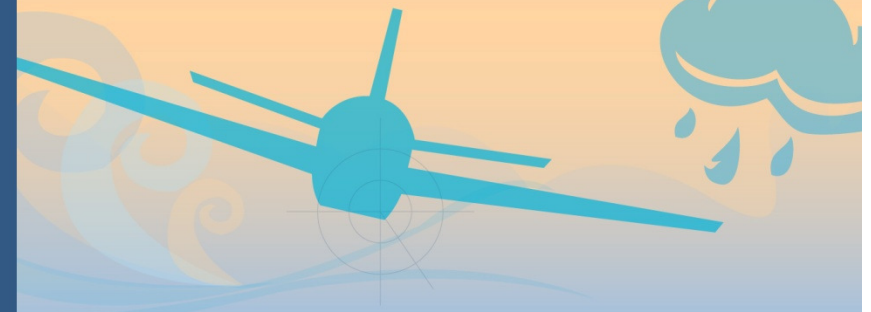
Presented To: Information Structures Theme

Presented By: Eddy Porosnicu (Eurocontrol)

Date: 30 August 2011



Federal Aviation
Administration



Air Transportation Information Exchange Conference - (featuring AIXM, WXXM and FIXM)

**August 30, 2011 - September 1, 2011
NOAA Science Center & Auditorium
Silver Spring, Maryland**



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AIXM Implementations



ICAO adoption: AIS-AIMSG



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AIXM Change Management Process

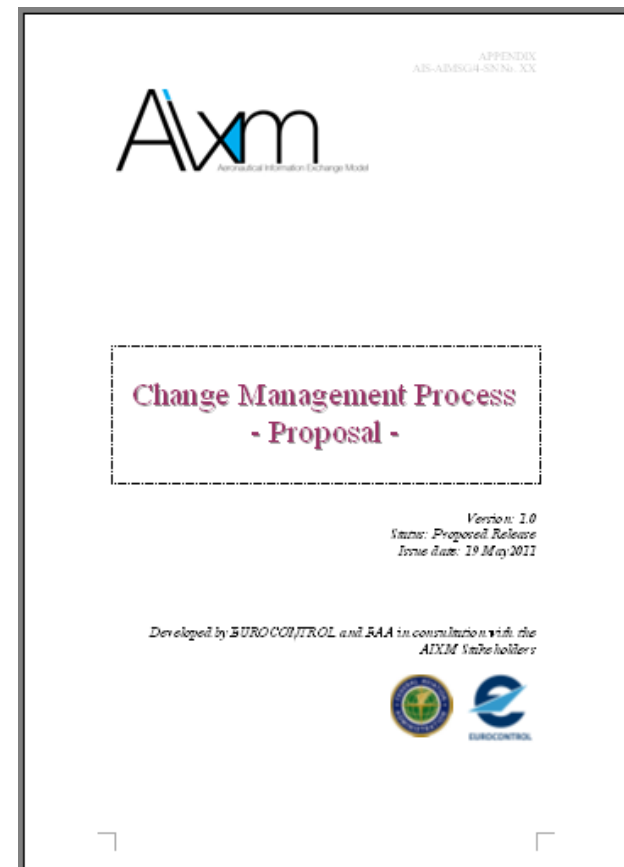
- States / ICAO
- Air Navigation Service Providers
- Manufacturing industry
- Aviation Service Providers
- Airlines
- Airports
- Military
- ...

AIXM CMP Proposal

- ICAO AIS-AIMSG
 - Initial proposal - Nov 2010
 - Discussed and adapted – June 2011



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Approach

- CCB
 - Model maintenance and evolution
 - Including associated documentation
 - Temporality
 - UML to XSD
 - Sample data sets
 - Xlink-href and UUID Guidance
 - Etc.
 - Including mapping between versions
 - In cooperation with the Aviation DWG (OGC)
 - GML Guidelines
 - Metadata Guidelines



Objective

- Fair and transparent
 - On-line tool
 - Not stringent need for face-to-face meetings
 - Voluntary participation
 - no “punishment” if you do not
 - membership does not imply any kind of certification or endorsement of the company products / services



Roles

- CCB Member
 - Any AIXM stakeholder (organisation)
 - Raise issues
 - Comment issues
 - Develop change proposals
 - Review change proposals



Roles

- CCB Secretariat
 - Eurocontrol and FAA effort
 - User registration, JIRA Hosted maintenance
 - Drives the change proposal process
 - but does not take decisions in isolation!
 - Implements the model changes
 - Configuration control
 - Version release
 - Maintains www.aixm.aero and related Web sites



Roles

- CCB Advisory Board
 - Maximum 20 members
 - Representatives of stakeholder groups
 - Maintain the “AIXM CCB Charter”
 - Objectives
 - Principles
 - Working method
 - Witness the correctness of the CCB process
 - Receive regular reports from Secretariat
 - Not requested to approve individual changes!



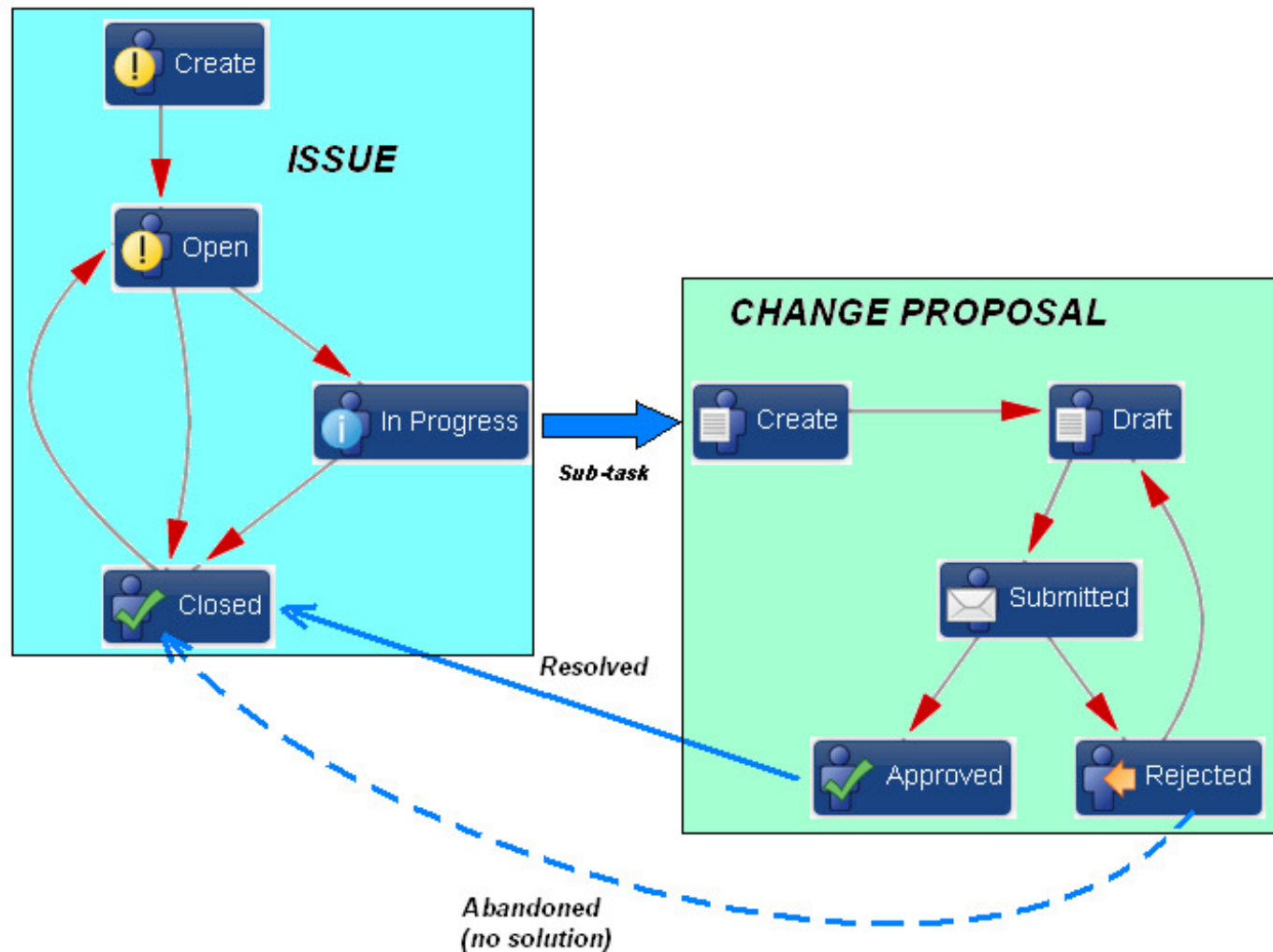
Working method

- Decisions by consensus!
 - Change proposals developed collectively
 - If no serious disagreement with a change proposal is notified (silent process) -> adopted
 - A widely acceptable solution needs to be found for any issue!
 - It depends on us to make it work!





Process



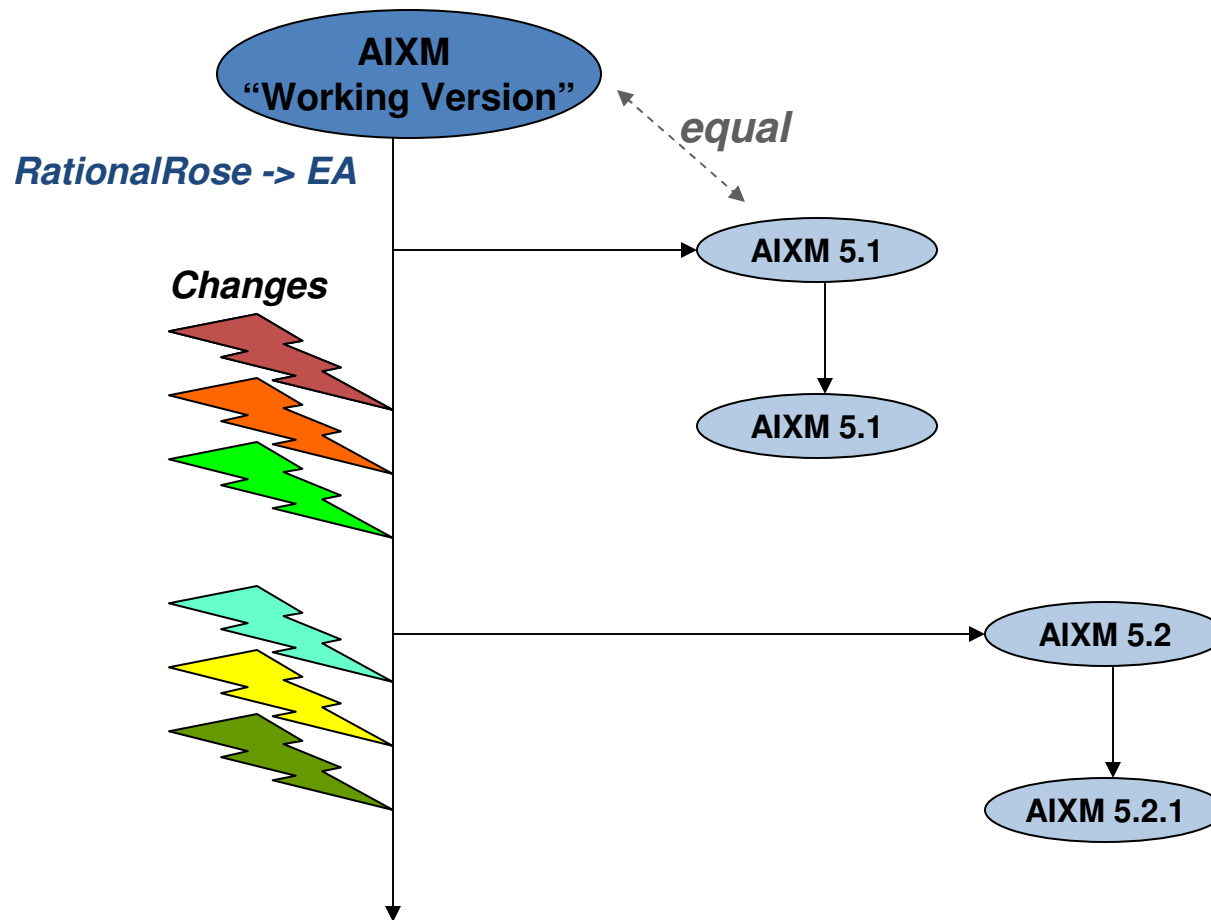


AIXM versioning policy

- Major Version (v.5, v.6, etc.)
 - includes major conceptual changes to the model, which do not permit a mechanical conversion between that version and the previous version;
- Intermediate Version (v.5.x, v.6.x, etc.)
 - only changes that allow a two-way mechanical conversion with the previous version (including by the use of an extension of the previous version); (**AIXM 5.2 not earlier than 2013**);
- Minor Version (v.5.1.x, v.5.2.x, etc.)
 - limited to bug fixing, spelling corrections, ...



AIXM configuration control



**Working Version
(read only)
accessible publicly
at all times!**



AIXM CCB Tool

- JIRA Hosted
 - Configured to support AIXM Change Management Process

AIXM Issue Workflow

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[Screen] AIXM Issue
 "Unresolved"
 Users
 Any AIXM stakeholder

[Screen] Reject Issue
 "Duplicate", "Incomplete", "Out of Scope",
 "Hand over to responsible organisation",
 "Abandoned - No solution"
 Users
 Secretariat

Issue Open / Under Evaluation
 The issue is open and under evaluation by the Secretariat.

Issue Rejected / Closed
 The issue was not confirmed by the Secretariat. It can however be reopened.

[Screen] Confirm Issue
 "Unresolved"
 Users
 Secretariat

[Screen] Reopen Issue
 "Unresolved"
 Users
 Any AIXM stakeholder

Issue In Progress / Confirmed by Secretariat
 This issue has been confirmed by the Secretariat, its resolution is now in progress.

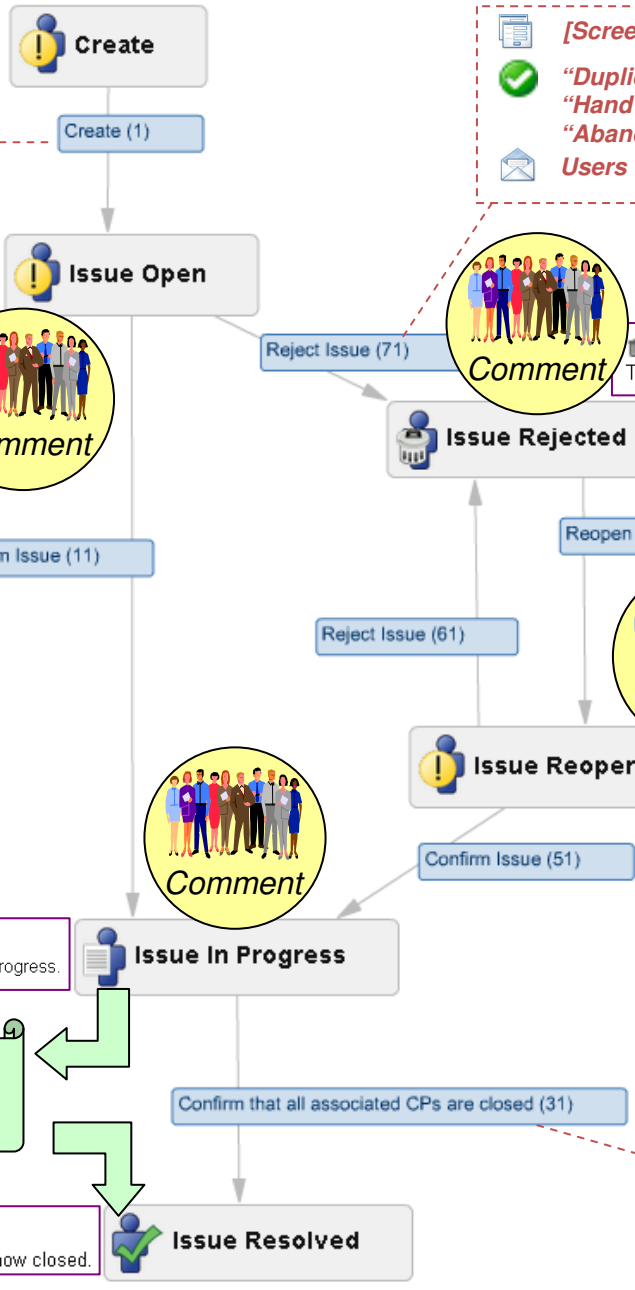
Issue Reopened / Under Evaluation
 This issue was once closed by the Secretariat, but it is now reopened and under new evaluation.

[Screen] Confirm Issue
 "Unresolved"
 Users
 Secretariat

AIXM Change Proposal Workflow

Issue Closed
 This issue is resolved and is now closed.

[Screen] Confirm that all associated CPs are closed
 "All corresponding CPs resolved", "Corresponding CPs partially resolved", "Corresponding CPs rejected", "Closed without CP"
 Users
 Secretariat

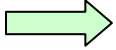


AIXM Change Proposal Workflow



Secretariat

AIXM Issue Workflow



Create

Create (1)

[Screen] AIXM Change Proposal
 "Unresolved"
 Users



Comment

CP Created

CP Created / Draft In Progress
 The Change Proposal has been created by the Secretariat.

Submit Proposal to AIXM Community (11)

[Screen] Reject Proposal
 "Out of Scope", "Abandoned - No solution", "Hand over to responsible organisation", "No consensus found"
 Users



Comment

CP Submitted for Approval
 The Change Proposal is officially submitted to the AIXM community for approval. The CP will be approved if no negative comment is received before the indicated deadline.

CP Submitted

[Screen] Submit Proposal to AIXM Community
 "Implied Consent - Only notify of a refusal"
 Users

Submit Reworked Proposal to AIXM Community (61)

[Screen] Approve Proposal
 "Accepted"
 Users

Approve Proposal (21)

Reject Proposal (31)

Rework Proposal (51)

CP Accepted / Implementation In Progress
 The AIXM Community has accepted the Change Proposal, which is now being implemented by the Secretariat.

CP Approved

CP Rejected

CP Rejected / Closed
 The AIXM community has rejected the Change Proposal.



Comment

CP Reworked

CP Reworked / Draft In Progress
 The AIXM community has decided to rework the Change Proposal.

Confirm that the CP is implemented (41)

[Screen] Confirm that the CP is implemented
 "Accepted"
 Users

CP Resolved

CP Implemented / Closed
 The Change Proposal is implemented and is now closed.

[Screen] Rework Proposal
 "Unresolved"
 Users

JIRA Hosted



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- Demo



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JIRA Hosted

- Technical issues
 - IE 8 or earlier does not automatically refresh the “gadgets”- use Firefox or try it with IE 9
 - Do not ever try
 - "Clone Issue/SubTask"
 - "Convert Issue to Sub-task"
 - ... you risk to corrupt the JIRA database ☹
- To do
 - Set-up back-up



Next steps

- Draft AIXM CCB charter
 - Based on the AIXM Change Management Process discussed by the AIS-AIMSG



Next steps

- Set-up Advisory Board
 - FAA and Eurocontrol will contact various stakeholder groups to identify representatives
 - Could also be by rotation





Next steps

- Prepare AIXM CCB Web site (SEP 2011)
 - Under www.aixm.aero

AIXM Change Management

User Account Request

To request a new JIRA account, please complete the form below. Please note that it will not be possible to create a user account for each individual, because of a limitation imposed by the JIRA licence. Consequently, the AIXM Secretariat will by default create one user account per company/organisation. You will have the possibility, when editing later on your JIRA user account, to fill in several email addresses.

Please provide also a justification of your request. The User Accounts will be granted by the AIXM Secretariat only to companies/organisations that are able to demonstrate their interest in the AIXM governance.

User details

(Please complete all the relevant fields and spell out abbreviations)

Organisation/Company*

Email*

First name

Family name

Justification*

Your data will only be used for the creation of your JIRA account and will not be divulged.



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Start the CCB activity

- Submit issues
- Comment
- Develop change proposals
- Issue new versions

– Step by step!



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Questions & Answers / Feedback



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More Information/Contacts



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- www.aixm.aero



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