



THALES

Digital NOTAM Workshop Industry Experience

19-20 May 2014 - Brussels Hervé Puget – TopSky-AIM Product Manager









Modelise environment & Aeronautical Rules

- Using Static Data (AIXM5) with
 - ◆ Digital NOTAM (AIXM5)
 - ◆ Terrain & Obstacle (eAIP)
 - Meteo (WXXM)
 - Flight plan (FIXM)

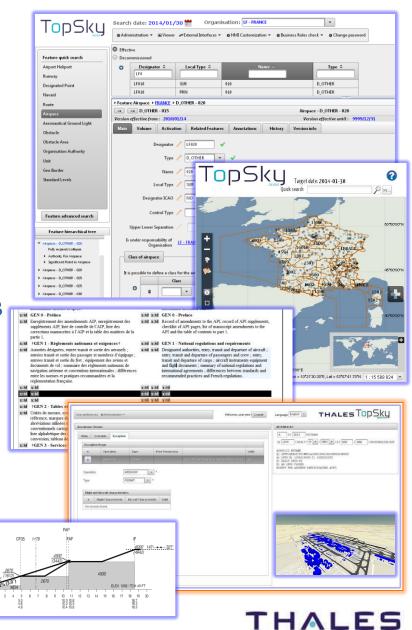




TopSky-AIM product

TopSky-AIM

- ◆ TopSky-AIXM (AIXM5 aeronautical database)
 - Web client interface (textual and graphical)
 - Operation oriented input forms
 - Eurocontrol Business Rules Engine check
 - Web Services interface
- ◆ TopSky-eAIP (Publication component)
 - Latest Technologies & Direct connection to DB
 - Automatization of AIP Generation
- TopSky-AIS & TopSky-Internet Briefing
 - NOF, ARO and MET operation
 - now integrating Digital NOTAM
- Integrated with third party components
 - GéoTitan Procedure design
 - AGC Charting





- AIXM CCB
 - Lead by Eurocontrol/FAA
- Feedback to Digital NOTAM focus group
 - Digital NOTAM Event specification document
- ◆ SESAR Digital NOTAM prototype (WP 13.2.2)
 - Digital NOTAM in SESAR validation exercises
 - Digital NOTAM in SESAR SWIM Demo



Based on the Digital NOTAM Event specification document **VERSION 1.1**

Implement Specific Interface PER EVENT (except for « OTHER » event)



AIXM5 Database RETRIEVAL

◆ SWIM

Aeronautical Information Feature Service - 1st AIM service defined by Thales

Digital NOTAM **DISTRIBUTION**

- SWIM (WS-Notification Broker)
 Aeronautical Information Notification Service
- Email

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HMI Definition & Validation

- HMI Usability of the "Per Event Interface"
 using SESAR Digital NOTAM prototype (WP 13.2.2)
- 3D AIXM5 Viewer integration
 dedicated for Digital NOTAM illustration



- AIXM5 Aeronautical Information Feature Service using TopSky-AIXM
- PIB Production with DNOTAM converted in Current ICAO NOTAM using TopSky-AIS (also interfaced for ICAO NOTAM Numbering)



Digital NOTAM **INTEROPERABILITY** with AIXM 5

ADQ (Metadata, CRC), Timesheet interpretation

Digital NOTAM requires AIXM static **DATA SHARING**

- Database synchronization, AMHS distribution, SWIM services,
- Digital NOTAM Checklist

Digital NOTAM **DISTRIBUTION** not yet defined

AMHS distribution, SWIM services (Filtering capabilities)

Digital NOTAM on **AMDB**

- Publish AMDB in AIXM 5 format
- and/or Convert Digital NOTAM to AMDB

Interoperability, Data sharing, Distribution and Link with AMDB still requires recommendations & additional specifications



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YOU are WELCOME to visit THALES exhibition in the hall.

Contacts:

Herve.Puget@thalesgroup.com Yves.Ernotte@thalesgroup.com