ICAO | UNITING AVIATION

IWXXM Bilateral Testing

Belgocontrol – Austrocontrol example

Wim Demol
Belgocontrol - Brussels RODB & NOC

ROC/IWXXM Implementation
Workshop, Cairo/12-13 Nov 2017

MET switch → COM switch
COM switch → COM switch

Proposed tests can be found in EUR AMHS Manual App H

End-to-End Test

- NOC Functionalities:
    - Send IWXXM messages/bulletins of each type in both directions and verify correct reception/validation/processing

    e.g. Belgian bulletins LABX31, LCBX31, LTBX31, LSBX31, LWBX31

    - Route IWXXM data received from test partner to another AMHS address
    - Build a collection of a mixture of reports from both testing partners
    - Continuity test: keep sending/receiving routine traffic to/from other partner for a period of e.g. 7 days

End-to-End Test

- RODB functionalities:
    - Send a number of simple and correct requests both ways and check replies

    RQX/LAEBBR=

    RQX/LAEBBR,LOWW,EGGG/LTLOWI/LOVV/LSLOVV,EBBU=
    - Send requests to wrong address and verify error reply

    RQM to EBBRYZYA

    RQX to EBBRYZYX
    - Send RQX-request from terminal that does not have extended AMHS capabilities; verify Non-delivery report handling