OLDI Experience Sharing - UAE

AIDC/OLDI Seminar

03-05 March 2014

UAE GCAA Strategy

- Integrate ATM systems to the maximum extent possible
- Introduce integrated OLDI where FDPS to FDPS communication is possible
- Introduce standalone OLDI terminals where FDPS to FDPS communication is not possible
- Centralise SSR Code allocation

OLDI Technology

- Communication Protocol
  - TCP/IP
- Message Exchange Protocol
  - EUROCONTROL FMTP 2.0
- OLDI Version
  - OLDI 4.2 (INFPL Compliant)

UAE Message Types

- PAC – Preliminary Activation
- ABI – Advance Boundary Information
- ACT – Activation Message
- COD – SSR Code request
- LAM – Logical Acknowledge Message

Current Implementations

1. Internal
   - Abu Dhabi Airport – April 2009 (standalone – serves Abu Dhabi, Al Bateen and Al Dhafrah)
   - Al Ain Airport – October 2010 (integrated)
   - Sharjah Airport – February 2011 (integrated)
   - Ras Al Khaima Airport – March 2011 (integrated)
   - Dubai Airport – June 2012 (standalone – serves Dubai International, Dubai World Central and Minhad)
2. International
   - Doha Airport – January 2010 (standalone – serves Doha and Al Udeid)

UAE Gains

1. No manual intervention for flights between OLDI partners
2. Reduction in coordination failures
3. Elimination of human errors
4. Better management of SSR codes by automatic allocation of SSR code from a centralised SSR pool
5. Up to 90% reduction in telephone calls
6. Efficient work prioritisation for Flight Data Operators

UAE Future Plans

1. Internal
   - Integrated OLDI with Dubai AT3 system
   - Integrated OLDI with Abu Dhabi THALES system
   - Integrated OLDI with Fujairah ALES system
2. International
   - Integrated OLDI with Doha SELEX system
   - Integrated OLDI with Bahrain THALES system
3. Several round of tests have been completed with certain partners in both categories

Thank you