



TDLS-AOC Interface

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- **Protocol**

- Simple Message Handling Protocol (SMHP) via TCP/IP

- **Messages**

- DCL Courtesy Copy – DCC
- Surface Location Request – GREQ
- Pre-Departure Clearance – PDC
- Digital Automatic Terminal Information Service (D-ATIS) – TIS

Two Options

- 1) Through CSPs (same as today)
- 2) Direct Connection to TDLS via FAA NESG

Gate Request Message (GREQ)



Upon successful receipt GREQ message, the CSP_CLIENT will respond with GREQ acknowledgement from the Airline automation subsystem

- **The following will be in the GREQ message to CSP (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- System MSG ID
- Flight ID, Beacon Code, Depart Point
- Aircraft Type/Heavy_Indicator, Depart Time
- Computer ID

- **The following will be in the GREQ ACK from AOC (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- Flight ID, MSG ID, Depart Time, **Gate***
- <ETX>

Upon successful receipt PDC message, the CSP_CLIENT will respond with PDC acknowledgement from the Airline automation subsystem

- **The following will be in the PDC message to CSP (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- System MSG ID
- Flight ID, Beacon Code, Depart Point
- Aircraft Type/Heavy_Indicator, Depart Time
- Computer ID, Altitude
- Route Information/Remarks
- Altitude Restriction Data
- Departure Frequency Data
- Remarks

- **The following will be in the PDC ACK from AOC (IATA Type B)**

- MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- Flight ID, MSG ID, Participating, C . , Depart Time, Gate

Upon successful receipt DCC message, the CSP_CLIENT will respond with DCC acknowledgement from the Airline automation subsystem

- **The following will be in the DCC message to CSP (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- Disclaimer*
- SMI
- System MSG ID
- Flight ID, Beacon Code, Depart Point
- Aircraft Type/Heavy_Indicator, Depart Time
- Computer ID, Altitude
- Route Information/Remarks
- Altitude Restriction Data
- Departure Frequency Data
- Remarks

- **The following will be in the DCC ACK from AOC (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- Flight ID, MSG ID, Participating, C . , Depart Time, Gate

Upon successful receipt TIS message, the CSP_CLIENT will respond with TIS acknowledgement from the Airline automation subsystem

- **The following will be in the GREQ message to CSP (IATA Type B)**

- ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- Body

- **The following will be in the GREQ ACK from AOC (IATA Type B)**

- <SOH>ADNS MSG Priority, Destination ADDR
- ADNS Source ADDR, Timestamp
- SMI
- Body

Request for Comments



- Distribution of Package to Airlines via DCIT & Direct Email
- Send comments/questions/concerns to Arnol Ketros
(arnol.ketros@harris.com)
- Comments will be addressed at working group session at DCIT 27 & 28

- FAA Data Comm program targeting May 2014 for testing with airline dispatch systems
- Harris, through DCIT, will coordinate the testing activities with the operators