CPDLC LOGON GUIDANCE

August 28, 2024

CPDLC logon guidance – U.S. domestic departures

U.S. Domestic Departures – CPDLC DCL Airports ▲

Departures from CPDLC DCL Airports within a CPDLC-ON En Route Center

- KUSA session will remain active after departure
- No need to re-logon after take-off

Departures from CPDLC DCL Airports within a CPDLC-OFF En Route Center

- KUSA session will remain active after departure
- No need to re-logon before entering a CPDLC-ON En Route Center

U.S. Domestic Departures – Non-CPDLC DCL Airports

Departures from non-CPDLC DCL Airports within a CPDLC-ON En Route Center

- Perform a logon on the ground or after departure to send and receive En Route CPDLC messages
- KUSA session will establish after departure

Departures from non-CPDLC DCL Airports within a CPDLC-OFF En Route Center

- Perform a logon on the ground or after departure to send and receive En Route CPDLC messages
- KUSA session will establish upon entry to a CPDLC-ON En Route Center

Transitioning between data authorities

INBOUND KUSA

Entering U.S. Domestic CPDLC En Route airspace with a connection from a previous data authority

- If an aircraft has a CPDLC connection established and is entering via a **CPDLC-ON** En Route Center, an automatic connection handoff will occur between the previous data authority and the CPDLC-ON En Route Center.
- If an aircraft has a CPDLC connection established and is entering via a **CPDLC-OFF** En Route Center, the CPDLC session will be terminated. Upon entry to a CPDLC-ON En Route Center, a connection request will be initiated automatically.
- In both scenarios:
    - No manual termination or manual logon action required, but the flight crew must accept the CDA confirmation message for the ground system to confirm the KUSA connection is recognized by the aircraft as its CDA
    - If the flight crew does not acknowledge the CDA confirmation after three attempts, the flight crew will have to manually logon to KUSA

Entering U.S. Domestic CPDLC En Route airspace without a connection from a previous data authority

- If the flight crew has not previously logged on during the flight, the flight crew needs to perform a manual logon to KUSA.
    - KUSA session will be established upon reaching a CPDLC-ON En Route Center and accepting the CDA confirmation message

OUTBOUND KUSA

Exiting U.S. Domestic CPDLC En Route airspace with a connection established

- If an aircraft is exiting U.S. domestic airspace from a **CPDLC-ON** En Route Center, an automatic connection handoff will occur between the CPDLC-ON En Route Center and the next data authority, and the CPDLC connection will be transferred.
    - No manual termination or manual logon action required by the flight crew

Exiting U.S. Domestic CPDLC En Route airspace without a connection established

- If an aircraft is exiting U.S. domestic airspace from a **CPDLC-OFF** En Route Center, the CPDLC connection will be terminated automatically, and the aircraft will exit without a connection.
    - No manual termination required by the flight crew
    - The flight crew may need to perform a logon to the next ATC facility per SOP after connection termination

Inbound/Outbound KUSA – ATOP, CAATS, non-CPDLC airspace

*Reference the US Domestic En Route CPDLC Site Activation Map for the most updated map view

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