Federal Aviation

Administration

55054003
EN ROUTE
RADAR ASSOCIATE
CONTROLLER TRAINING PART C:
ADVANCED CONCEPTS

Handout 1: Part-Task Exercise

Lesson 5: Introduction to Controller Pilot Data Link Communications (CPDLC)

Version: 1.0 2022.08

INSTRUCTOR HANDOUT

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PART-TASK EXERCISE: INTRODUCTION TO CPDLC

Part-Task Exercise
- **Purpose**
  - Perform tasks as follows:
    - Identify basic CPDLC indicators
    - Release a Held TOC
    - Manually uplink an altimeter setting
- **Materials**
  - TTL part-task exercise: Introduction to CPDLC
- **Directions**
  - This exercise takes approximately 45 minutes to complete. Each student must complete the checklist tasks. No headsets are required.

Lesson 5: CPDLC Basic Operations   54

Purpose

Perform tasks as follows:

- ⊙ Identify basic CPDLC indicators

- ⊙ Release a Held TOC

- ⊙ Manually uplink an altimeter setting

Materials

📄 Handout: *H01_L05*

- ⊙ TTL part-task exercise: Introduction to CPDLC

🔧 TTL scenario: *55054003_L05_S##*

Directions

This exercise takes approximately 45 minutes to complete. Each student must complete the checklist tasks. No headsets are required.

👉 *Provide instruction as required. Check off each task after completion. No ghost pilots are required.*

PART-TASK EXERCISE: INTRODUCTION TO CPDLC CHECKLIST

STUDENT _____ INSTRUCTOR_____

DATE_____

		Task Description
		Instructor Notes
✔		This scenario is intended to introduce the basic operation of the system. Scenario runs 45 minutes.
RA		**Sessions, Eligibility, and On Frequency Indicators**
		Identify a flight with a CDA session, but no eligibility
		Identify a flight with a CDA session, and eligibility
		Identify a flight with an NDA session
		Identify a Voice Communications Indicator that has been automatically marked on
		Transfer of Communication
		Initiate hand-off. Once hand-off is accepted identify the Single Held TOC indicator
		Release a Held TOC using a TBE on the Single Held TOC indicator
		Identify the TOC In Progress indicator at the transferring sector
		DISCUSS: The TOC In progress indicator is removed when a WILCO response is received from the pilot
		Use the keyboard to release a Held TOC `UH <FLID>`
		Accept a handoff from an adjacent center that will result in a CONTACT TOC
		DISCUSS: The TOC In progress indicator at the receiving sector does not appear until the transferring sector releases the Held TOC
		Identify the TOC In progress indicator at the receiving sector
		After WILCO to the TOC manually mark the aircraft on frequency
		Accept a handoff from an internal sector that will result in a MONITOR TOC
		Identify the automatic on frequency indicator
		Identify the CAA In progress indicator at the receiving sector

PART-TASK EXERCISE: INTRODUCTION TO CPDLC CHECKLIST *(CONT'D)*

Altimeter Setting Uplinks	
	Discuss: Altimeter Setting Uplinks are automatically uplinked when required following a WILCO response to a MONITOR TOC or following an altitude clearance uplink that requires an altimeter. No FDB or ACL CHI is displayed.
	Manually uplink an Altimeter Setting for the system selected reporting station **UA <FLID>**
	Identify the Generic Uplink In Progress Indicator
	Identify when ROGER response is received
	Manually uplink an Altimeter Setting for a controller specified reporting station **UA <reporting station> <FLID>**