Federal Aviation

Administration

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

Handout 1: Part-Task Exercise

Lesson 12: Radar Handoff and Point Out

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INSTRUCTOR HANDOUT

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PART-TASK EXERCISE: RADAR HANDOFF AND POINT OUT

Purpose

Perform Radar Handoff and Point Out tasks as follows:

⊙ Managing FDB Fourth Line Data

⊙ Handoff Procedures

⊙ Handoff and Point Out Command Entries

Materials

Handout: *HO01_L12*

⊙ TTL part-task exercise: Radar Handoff and Point Out

TTL scenario*: 55054003_L12_S##*

Directions

This exercise takes approximately 30 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.

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PART-TASK EXERCISE: RADAR HANDOFF AND POINT OUT CHECKLIST

STUDENT _____ INSTRUCTOR_____

DATE_____

	Task Description
	Instructor Notes
✓	This scenario is intended to introduce Radar Handoff and Point out procedures and ERAM entries. Most aircraft are CPDLC equipped. At least 1 aircraft has /A equipment suffix. Scenario runs 1 hour.
RA	**Managing FDB Fourth Line Data**
	Enter a heading into the fourth line of a data block via EDST
	Enter a heading into the fourth line of a data block via QS message
	Enter a "PH" (present heading) into the fourth line of a data block
	Enter a deviation direction heading (e.g., DNE)
	Enter an Assigned Airspeed into the fourth line of a data block via EDST
	Enter an Assigned Airspeed into the fourth line of a data block via QS message
	Enter an Assigned Mach number (e.g., M75) into the fourth line of a data block
	Enter a Free Form Text of celestial navigation (e.g., CELNAV) into the fourth line of a data block
	Enter a Free Form Text of a pilot requested altitude (e.g., RQ350) into the fourth line of a data block
	Enter a speed and a heading in a data block with one command
	Remove speed and heading in one command
	Remove Free Form Text from fourth line of a data block
	Remove heading from fourth line of data block via EDST
	Remove heading from fourth line of data block via QS message
	Remove speed from fourth line of data block via EDST
	Remove speed from fourth line of data block via QS message

PART-TASK EXERCISE: RADAR HANDOFF AND POINT OUT CHECKLIST *(CONT'D)*

	Handoff Command Entries
	Initiate a handoff to an internal sector using a keyboard command
	Initiate a handoff to an external facility using a keyboard command
	Initiate more than one handoff to adjacent sector or facility using a keyboard command
	Initiate a side stream handoff to an adjacent facility using a keyboard command
	Accept a flashing handoff using a keyboard command
	Accept a flashing handoff and assign an altitude using a single keyboard command
	Accept a flashing handoff and offset the data block to a different position using a single keyboard command
	Accept a flashing handoff, assign an altitude, and offset the data block to a different position using a single keyboard command
	Initiate a handoff to an adjacent sector or facility and then retract the handoff using a keyboard command
	Assume control of a track not currently under your control using a keyboard command
	Inhibit automatic handoff for a flight plan and observe the accent symbol in the FDB
	Enable automatic handoff for the flight plan and observe the resulting FDB
	Inhibit automatic handoff for a sector
	Inhibit automatic handoff for an ARTS facility
	Inhibit automatic handoff for an ARTCC
	Inhibit multiple sectors and/or facilities using a single command
	Enable automatic handoff for one or more facilities and observe results on the Auto Handoff Inhibit View

	Point Out Command Entries
	Set ACL Point Out Column to 2
	Initiate a point out to an adjacent sector or facilty address and observe the FDB and ACL results (i.e., yellow "P")
	Initiate pointouts to 3 sectors for one flight and observe the asterisk in the Point Out Column of the ACL entry
	Increase the Point Out Column setting to 3 and observe the Point Out Column of the ACL entry (i.e., all 3 entries displayed)
	Change the Point Out Column setting to automatic and observe the "PA" Point Out Column header
	Using the ACL acknowledge an Automated Point Out Indicator for a flight plan
	Remove the Automated Point Out indicator from the flight plan entry in the ACL
	Use a keyboard command entry to acknowledge an Automated Point Out Indicator for a flight plan `QP A FLID`
	Use a keyboard command entry to acknowledge a single sector Automated Point Out Indicator for a flight plan entry which has been pointed out by more than one sector `QP A <sector ID> <sector ID> <FLID>`
	Describe to your instructor what steps you would take if an automated point out you initiated is not acknowledged