Federal Aviation

Administration

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

Handout 1: Part-Task Exercise

Lesson 9: Alerts and Airspace Status View

Version: 1.0 2022.08

INSTRUCTOR HANDOUT

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PART-TASK EXERCISE: ALERTS AND AIRSPACE STATUS VIEW

Purpose   Perform Alert and Airspace Status View tasks.

Materials

 Handout: *HO01_L09*

⊙ TTL part-task exercise: Alerts and Airspace Status View

 TTL scenario: *55054003_L09_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.

PART-TASK EXERCISE: ALERTS AND AIRSPACE STATUS VIEW CHECKLIST

STUDENT_____ INSTRUCTOR_____

DATE_____

	Task Description
	Instructor Notes
✔	This is a scenario designed to exercise capabilities of the ACL, Plans Display, GPD, Plan Options Menu, and Airspace Configuration Menu. Scenario runs 45 minutes.
RA	**Aircraft List (ACL)**
	Identify a red alert - less than 5 miles separation
	Identify a muted red alert - less than 5 miles lateral separation where altitude transition is planned but not issued
	Identify a yellow alert - between 5 miles and 12 miles lateral separation
	Identify a muted yellow alert - between 5 miles and 12 miles lateral separation where an altitude transition is planned but not issued
	Identify an orange alert - aircraft to airspace violation is predicted within 3 miles of active or scheduled activity airspace
	Identify a brown X alert that shows an aircraft is not being probed by the system. (VFR, OTP, ABV, untracked aircraft) **Discuss Automated Problem Detection (APD).**
	Enter a hold message at present position to create a brown H alert on the ACL
	Enter a hold message at a future fix to create a brown H alert on the ACL. **Discuss the difference between hold at present position and hold at a future fix.**
	Enter a freeze message to create a brown F alert on the ACL. **Discuss frozen flights.** `QH F FLID`
	Plans Display
	Have student trial plan an aircraft at its current altitude. Discuss plan colors and their meaning. (Green, Red, Yellow, White, Orange, Brown [ineligible])

PART-TASK EXERCISE: ALERTS AND AIRSPACE STATUS VIEW CHECKLIST *(CONT'D)*

Graphic Plans Display (GPD)	
	Open the Graphic Plan Display (GPD)
	Display a green route of flight for an aircraft that is not predicted to have any violations
	Display a red alert for two aircraft that are predicted to have less than 5 miles separation. **Discuss the number of potential violations in Line 0 and the graphic display of the point of violation.**
	Display a muted red alert for two aircraft that are predicted to have less than 5 miles lateral separation where altitude transition is planned but not issued
	Display a yellow alert for two aircraft that are predicted to have between 5 miles and 12 miles lateral separation
	Display a muted yellow alert for two aircraft that are predicted to have between 5 miles and 12 miles lateral separation where an altitude transition is planned but not issued
	Display an orange alert for an aircraft to airspace violation predicted within 3 miles of active or scheduled activity airspace
	Identify the brown SSS in Line 0 of an FDB which signifies that a stop probe is in effect for an aircraft
Plan Options Menu	
	Enter a stop probe message at present position to create a brown S alert on the ACL. **(Plan Options…>Stop Probe menu)**
	Enter a stop probe message at a future fix to create a brown S alert on the ACL. **Discuss difference between stop probe at present position and at a future fix. (Plan Options…>Stop Probe menu)**
	Resume conflict probing for an aircraft
Airspace Status View	
	Open the ACL and the Tools Menu
	Open the Airspace Status View
	Filter the display to show all of the SAAs in the facility
	Filter the display between SAAs that are of operational interest to the sector and all the SAAs in the facility
	Activate SAA (ON)
	Change the altitude limits of an SAA
	Deactivate SAA (OFF)
	Display the altitude limits of an adjacent facility SAA
	Identify scheduled SAA (SCH)
	Add SAA to the Airspace Status View (REQ) **(May not be available at all facilities)**