



**Federal Aviation  
Administration**

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

**Handout 1: Part-Task Exercise**

**Lesson 13: Radar Separation and Safety  
Alerts**

**Version: 1.0. 2022.08**

***INSTRUCTOR HANDOUT***

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# PART-TASK EXERCISE: RADAR SEPARATION AND SAFETY ALERTS

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## Part-Task Exercise

**Purpose:**


- The student will perform tasks related to radar separation and safety alerts

**Materials:**

- TTL part-task exercise: Radar Separation and Safety Alerts

**Directions**

- This exercise takes approximately 30 minutes to complete. Each student must complete the checklist tasks. No headsets are required.

 Lesson 13: Radar Separation and Safety Alerts 20

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## Purpose

The student will perform tasks related to radar separation and safety alerts.

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## Materials



Handout: *HO01\_L13*

⦿ TTL part-task exercise: Radar Separation and Safety Alerts



TTL Scenario: *55054003\_L13\_S##*

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## 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 SEPARATION AND SAFETY ALERTS

Student \_\_\_\_\_ Instructor \_\_\_\_\_

Date \_\_\_\_\_

	Task Description
	Instructor Notes
✓	This scenario is intended to familiarize the student with certain aspects of the radar data display and the use of alert suppression commands. Scenario runs 45 minutes.
RA	<b>3 mile area</b> <b>(Skip if the training sector has no reduced separation areas adapted)</b>
	Locate an aircraft inside the 3 mile area and identify the beacon target
	Identify an aircraft inside the 3 mile area and place a 3 mile halo on the aircraft
	Identify an aircraft leaving the 3 mile area and note the beacon target change
	Identify the aircraft with the 3 mile halo leave the 3 mile area and note the change in the halo
	Identify an aircraft outside the 3 mile area and attempt to place a 3 mile halo on it
	Place a halo on an aircraft not inside the 3 mile area that is flying into the 3 mile area and identify any change
	Alert Suppression
	Identify an aircraft flashing an E-MSAW alert and suppress it using the specific suppression command <b>CO *S &lt;FLID&gt;</b>
	Unsuppress the alert on the above aircraft
	Identify an aircraft flashing an E-MSAW alert and suppress it using the indefinite suppression command <b>CO *I &lt;FLID&gt;</b>
	Unsuppress the alert on the above aircraft
	Identify two aircraft flashing conflict alert and suppress the alert <b>CO &lt;FLID&gt;/&lt;FLID&gt;</b>
	Identify two military aircraft flashing conflict alert and use the suppress group command
	Add another military aircraft to the above suppress group
	Identify four military aircraft flashing conflict alert and use the suppress group command to add all four at once
	Delete one of the aircraft from the above suppress group
	Delete the above suppressed group
	Identify a VFR aircraft experiencing an emergency and enable E-MSAW

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# PART-TASK EXERCISE: RADAR SEPARATION AND SAFETY ALERTS

	General
	Identify a runway depicted on the display eligible for using 1 mile from the end of the runway separation <b>(If adapted)</b>
	Place a five mile halo on an aircraft
	Identify any depicted obstacles on the display <b>(If adapted)</b>

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