BASICS FOR AIR TRAFFIC CONTROL – USING THE FACILITATOR GUIDE

USING THE FACILITATOR GUIDE

Facilitator guides are designed to assist facilitators while delivering instruction for a course. They typically provide a summary of course content, instructions to conduct associated student engagement, opportunities for discussions, assessment, and instructions to support the facilitators as they lead students through the course structure, striving to improve the students' mastery.

This guide is designed to introduce the format of the facilitator guides and features developed for conducting the Federal Aviation Administration (FAA) Basics for Air Traffic Control course. Before you conduct this course, it is recommended that you familiarize yourself with the features and format of the guides as you prepare to instruct the course.

Course Delivery

The course content consists of a blended learning environment utilizing a combination of Web-Based Tutorial, facilitator-led training, facilitated discussions, video segments, and individual or group interactive engagements. The course will be linked to the FAA Electronic Learning Management System (eLMS) and will be managed in the Blackboard platform.

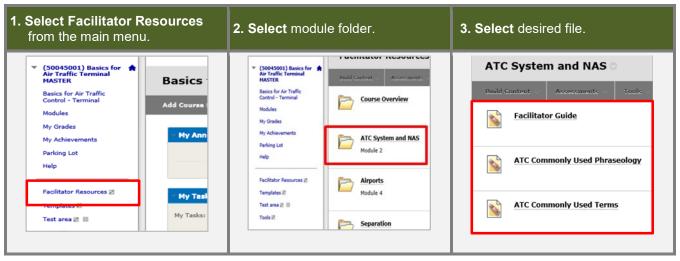
The major course components are divided into the following categories:

Web-Based Tutorial	Tutorials are presented as digital courseware designed in Articulate Storyline III. The training content is organized into modules, lessons, and topics. Interactive elements and videos are embedded within the course content.			
Exercise	Paper-based exercises typically follow tutorials and provide the students an opportunity to practice and increase retention. They are either performed individually, in small groups, or in teams.			
Activity	Web-based activities are designed in Articulate Storyline III and occur either at the end of a lesson or a module. Activities provide the students the opportunity to practice and increase retention. They typically are performed individually, and if additional practice is needed, students may repeat if time permits. Student responses are evaluated and feedback is provided.			
Game	Games occur periodically throughout the course and follow module completion. They are designed as a comprehensive module drill/practice to reinforce learning and provide a non-graded score. Initial completion is required; however, students can repeat the activity at their leisure. Students will receive Blackboard trophies based on their score, with achievements for 80%, 90%, and 100%.			
Facilitated Discussion	Facilitated discussions occur periodically throughout the course to create learning opportunities for the facilitator to discuss course content and assess student comprehension.			
Assessment	Assessments are conducted in Blackboard at the completion of each module (30), block of instruction (5), and at the end of the course. They are designed to provide an indication of mastery of course content related to the objectives. Facilitators will provide guidance, identify requirements, conduct reviews, and clarify content prior to administering and after all tests have been scored.			

Facilitator Resources

There are 30 facilitator guides organized by modules posted in Facilitator Resources folder in Blackboard. In addition to the guides and any instructor-specific resource required to complete the module are located in the same folder.

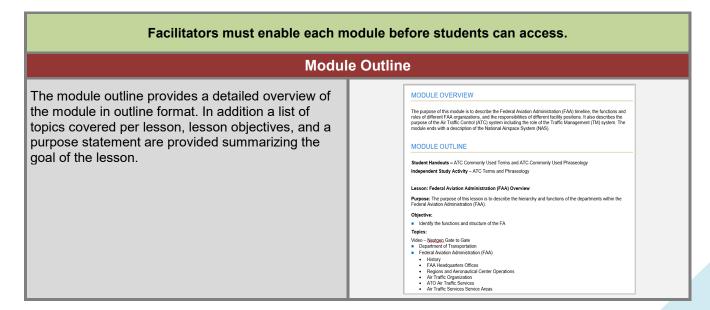
To locate Facilitator Resources folder:



Facilitator Guide Features

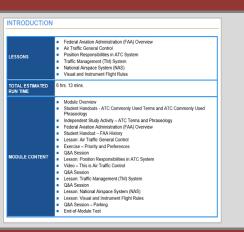
Each facilitator guide includes the same features that are placed in the following consistent format.

As part of the course preparation, the facilitator is responsible for enabling content within Blackboard before students can access training content. The information below is intended to only indicate when facilitators should enable the content. Refer to the Basics for Air Traffic Control Operations Manual for comprehensive training on how to complete these functions in Blackboard.



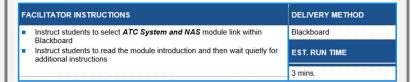
Module Overview

The module overview identifies each lesson for the module, the total estimated run time, and all module content in the order in which it occurs.



Facilitator Instruction Boxes

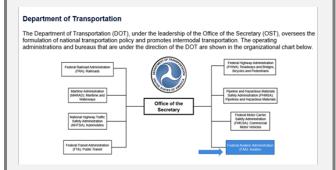
Facilitator instruction boxes occur before every component that occurs in the training. They identify the delivery method, estimated time to complete, and location of the component on Blackboard. Depending on the delivery method, additional instructions may be provided to support the facilitator with classroom management while conducting the session.



Facilitators must enable each lesson, activity, or game before students can access.

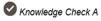
Lesson Content

The lesson content represents the content pages and graphics of the web-based lesson(s), exercises, worksheets, and study aids.



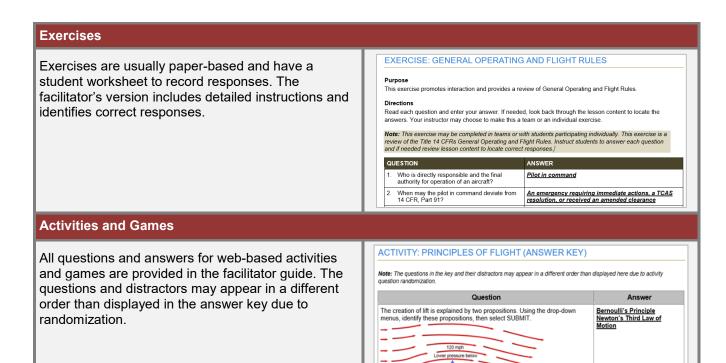
Knowledge Checks

Knowledge checks occur throughout the lesson content and are designed to give the student an opportunity to gauge how well they are grasping the material. They are not graded, but they provide feedback to submitted responses. Correct responses are indicated in the facilitator guide.



REVIEW what you have learned so far about the FAA. ANSWER the questions listed below.

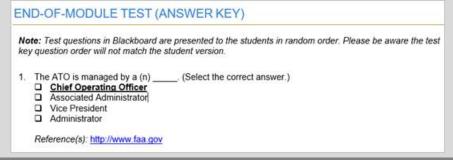
- 1. What are the ATO service areas? (Select all correct answers that apply)
 - □ <u>Eastern</u>
 □ Northern
 - □ Central
 - ☐ Central
- ☐ <u>Western</u>



Assessment

Facilitators must enable each test before students can access.

Each module includes a randomized **End-of-Module (EOM)** test in which the students receive all questions included in the test bank. Instructions for administering the test are provided in the facilitator guide. A copy of the EOM test questions with answers and references are located in the back of each facilitator guide per module to assist the facilitator when reviewing commonly missed questions. Due to randomization, the test key question order will not match the student version.



The questions in the **End-of-Block (EOB)** test are randomized to include one question from each objective in the block. Instructions for administering the test are provided in the facilitator guide, but a copy of the EOB questions are not included in the facilitator guide.

Instructions for accessing the **End-of-Course (EOC)** test are located in the back of the final facilitator guide in the course, but due to the risk of compromising the test, questions are not included in the facilitator guide.

Trivia Review Documents

Trivia Review

The trivia review is conducted prior to administering the End-of-Course test. The comprehensive review is organized by blocks of instruction. Students work in small groups or teams and compete to achieve the highest score. Instructions for setting up and hosting the review, the database of questions, and answer keys are located in the back of the final facilitator guide in the course.

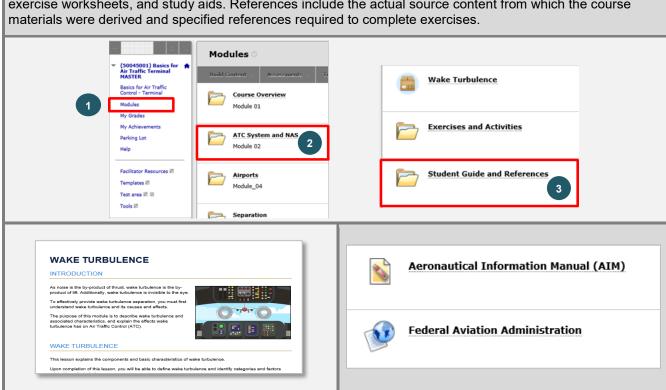


ÎRIVIA REVIEW – EOB4 ROUND 1								
	EMERGENCIES 1	SEARCH AND RESCUE	WEATHER FUNDAMENTALS	EMERGENCIES 2	BAD WEATHER	POTPOURRI		
Q1	The person who has final responsibility for the course of action to be followed in an emergency	An aircraft on an IFR flight plan, estimated over a specified reporting point at 0625, has failed to report. The aircraft is considered overdue at this time	The standard sea level pressure	The transponder code used to indicate two-way radio failure	The weather phenomenon which contains just about every hazard to an aircraft in flight	This is reported when prevailing visibility is 1 SM or less or the designated runway is 6,000 fror less		
A1	What is the Pilot in Command? (m28l1)	What is 0655? (m29l2)	What is 29.92 inches of mercury? (m29l1)	What is 7600? (m28l1)	What are thunderstorms? (m24l6)	What is Runway Visual Ran (RVR)? (m25l3)		
Q2	121.5 VHF and 243.0 UHF are referred to as this	The two organizations that are responsible for the physical search of the contiguous U.S. and the maritime region	The layer of the atmosphere where most of the world's weather found	A report threat/attack/post- event activity via the ATIS and/or controller-to-pilot transmissions until notified otherwise by the DEN	The weather phenomenon that is characterized by a change in wind speed and/or direction in a short distance	A sky cover of five-eighths coverage is reported as thi		
A2	What are the Universal Emergency Frequencies? (m28l1)	What are the Coast Guard and Air Force? (m29l1)	What is the troposphere? (m23l1)	What is a MANPADS event? (m28l2)	What is a wind shear? (m24l3)	What is BKN (Broken)? (m25l6)		

Student Guides

Student Guides and References

Student guides and links to the references are organized per module and accessed through the Modules tab on the Home Screen. The student guide contains all the content presented in the module, Knowledge Checks, exercise worksheets, and study aids. References include the actual source content from which the course materials were derived and specified references required to complete exercises.

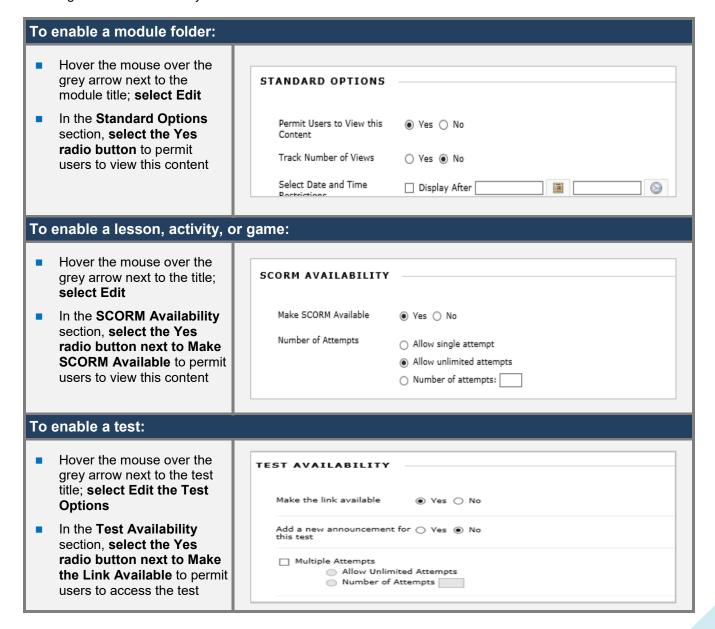


Review of Blackboard Operations

As part of the course preparation, the facilitator is responsible for performing specific operations in Blackboard. The information below is only intended as a review of some of the commonly used operations. Refer to the Basics for Air Traffic Control Operations Manual for comprehensive training on Blackboard.

Enable and Disable Course Content

Upon initial login, only the Course Overview will be available to students. Before students can access content, the following *must* be *enabled* by the facilitator.

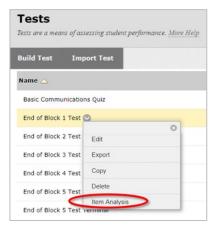


Analyzing Tests

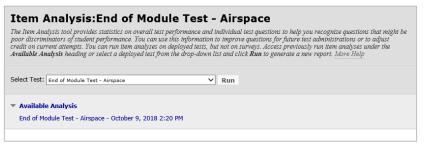
All tests may be analyzed in order to view data regarding each question's percentage of difficulty. This operation will identify commonly missed questions for test reviews. Tests may only be analyzed after attempts have been submitted.

To analyze a test:

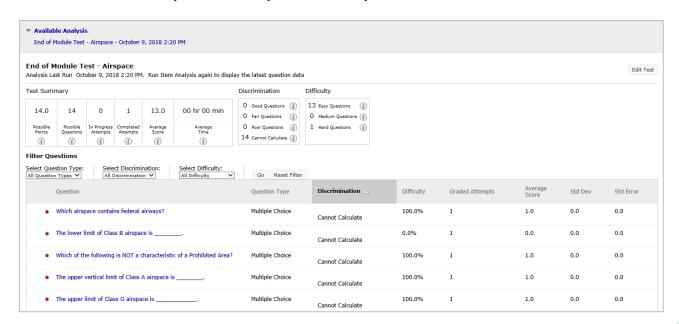
 Expand the drop-down menu next to the test's title and select Item Analysis



 Select the test you want to analyze, then select Run



Select the Available Analysis for the test you want to analyze



Note: Difficulty - Easy (>80%); Medium (30% to 80%); Hard (<30%).

Note: To view the analysis information, hover the mouse over the information icon (1).

Moderate Forum

The parking lot allows students to post questions on a discussion board as they maneuver throughout module content, which the facilitator will answer during each Parking Lot Facilitated Discussion.

Each module has its own dedicated forum on the discussion board. Before conducting a Parking Lot discussion, facilitators must first create a forum.

To view a forum:

- Select the appropriate module title
- Select Moderate Forum



- A list of all the posts will appear
- To moderate a specific post, select Moderate
- On the Moderate Post page, read the post
- Select Publish or Return
 - Published messages are immediately posted to the thread
 - Returned posts are removed from the moderation queue and marked as Returned

Note: Optionally, you can type feedback in the text box. Though feedback is optional, you can provide guidance, ask questions, redirect a student's focus, and explain why a post was returned.

Select Submit

Facilitator Checklist

- Become familiar with content and facilitator responsibilities required for conducting the course
- Ensure no issues exist with connectivity to FAA Blackboard on student computers
- Locate materials required for training
- Ensure that all student workstations are logged in and accessible, ready for students to access Internet Explorer
- Ensure headphones are in place and attached for students
- FAA IT HELP Desk: 1-844-322-6948