

## Instructional Narrative

### Preparation activities

The lecture portion of the training will be held in the Flight H conference room. The only required setup is to put the PowerPoint presentation on the computer that is hooked to the projector. For the lab portion, the IFTE testers need to be reserved and “Quiet” signs may need to be posted if the training is not on a Friday.

### Introduction

Gaining learner’s attention	
Do/Resources/Time	Say
Display title page of PowerPoint presentation on projector	Welcome to the IFTE: Basic Procedures training session. My name is [give preferred name and title]. I hope that you all find this class informative and that it really facilitates your efforts on the GPS re-host projects.
Announce appropriate times to ask questions	As your instructor for this training session, I am here to teach you basic IFTE training that will cut down your project completion times. If at any time you have a question that pertains to the class material, please do not hesitate to raise your hand to get my attention. If the question pertains to a personal matter, then please wait till a scheduled break or until the class moves to the testers for hands-on learning.
Length of Activity	3 minutes
Informing Learner of Instructional Purpose	
Do/Resources/Time	Say
Give introduction to IFTE training class and what benefits they will receive by taking this training	The reason you all are here is to learn basic tools to solve common problems that are associated with the IFTE test station. By learning these techniques and procedures, you should be able to quickly solve basic problems with the IFTE and its instruments. As a result, this will lead to faster hardware verifications and will significantly reduce downtime on the IFTE test stations. Furthermore, the faster you finish these projects, the more favorable it will look on your annual appraisals. In this training session, you will learn how to manipulate source code files located on the IFTE terminal, how to run a program on the IFTE by compiling and saving edited code, how to perform basic troubleshooting procedures, and how to prepare hardware deficiency reports (HDRs).
Stimulate Learner’s Attention/Motivation	
Do/Resources/Time	Say
Pose hypothetical question	Q: Has your re-host project ever fallen behind because of tester

to the learner audience	<p>downtime? If so, were you able to diagnose the problem and continue working? If not, how much downtime did you experience?</p> <p>By learning the troubleshooting techniques in this class, you will experience less downtime for your projects. This should lead to faster project completion times.</p>
<b>Preview Learning Activity</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Show an actual procedure that pertains to troubleshooting the IFTE test station.	For example, resetting the IFTE can clear a lot of errors from the instruments. This procedure to reset the IFTE test station is very simple, yet very effective.

## Body

<b>Recall Relevant Prior Knowledge</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Pose question to the audience	Has anyone used the IFTE station to verify good hardware. If so, did you encounter station problems along the way? How did you go about solving it?
Express you're there to help	I am here to help you learn techniques that will allow you to troubleshoot IFTE problems.
<b>Present Information and Examples</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Define terms	<p>To begin this training session, I must first inform you of all the terms associated with troubleshooting the IFTE station.</p> <p><i>IFTE terminal</i> – monitor that displays software interface to the IFTE instruments</p> <p><i>DOS commands</i> – commands that IFTE software recognizes to manipulate files and programs on the IFTE terminal</p>
<b>Focus Attention</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Explain the terms	I'm sure most of you are familiar with these terms. Just know that DOS commands are entered on the IFTE terminal to access files, compile programs, and execute programs.
<b>Employ Learning Strategies</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Show slide demonstrating	To put source code on the IFTE station terminal with a CD, you

how to put source code on the IFTE test station terminal.	must first obtain the official copy of the program from the Technical Order library, which is located in the building 640. You then must log in to the IFTE terminal using the correct login ID and password. You will then gain reading/writing access on the CD by using the display command. Finally, you enter the command to copy source codes files to the specified directory.
<b>Practice</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Allow students to practice putting source code on IFTE station terminal  *Note: This part will be included when the lab portion begins	I would like you all to split into two groups of three. Each group will now practice the procedure of putting source code on the IFTE station terminal from a CD. If you have any questions, don't hesitate to ask. I'll be walking between the two testers to observe.
<b>Provide Feedback</b>	

## Conclusion

<b>Summarize and Review</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Engage in discussion	Now that everyone has had a chance to perform troubleshooting procedures on the tester, are there any questions?
Review troubled areas (if appropriate)	Go over troubled areas and demonstrate the procedures if necessary.
<b>Transfer Learning</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Live performance evaluations for each student	Now that you all have practiced the trouble-shooting procedures, I'm going to give each of you a scenario on the IFTE tester to work through individually. If you get stuck, I will point you in the right direction so that you can do as much on your own as you can.
<b>Remotivate and Close</b>	
<b>Do/Resources/Time</b>	<b>Say</b>
Discuss further times available for help	Everyone did an excellent job with the hands-on sessions on the IFTE station. Hopefully, these hands-on sessions accompanied with the lectures reinforced the procedures. Don't forget that a reference sheet that contains all the commands and procedures that were taught today will be placed on SharePoint so that anyone can access it at any time. I am also available in person and by email Monday through Friday from 7:00-3:30 if you have any lasting

	<p>concerns or questions.</p> <p>Again, thank you for attending the IFTE: Basic Procedures training session. Hopefully this class has taught you skills that will allow you to finish your projects faster and under cost.</p>
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### Assessment

Evaluate Feedback and Seek Remediation	
Do/Resources/Time	Say
Send out surveys	The surveys for instructor evaluation are very important to ensure that the instructor is relaying all vital information for this course and teaching it in a way that everyone understands it. The results of the survey will show what topics the class had the most trouble with, if the pacing of the class was appropriate, and the overall satisfaction with the class.