

NATO PROGRAMMING CENTRE

JTS FAST COURSE



SYLLABUS JTS/FAST – X (3.1.x)

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Issue No: 5

Next Review Date: 31 Mar 2013

Authority – Head Training Branch

COPY 1 of 1

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PART I – INTRODUCTION

1. Aim of the Course.

The aim of the course is to enable personnel with little or no experience to install, maintain and modify a JTS/FAST application on a Solaris and on a Windows operating system, the product being called JTS/FAST 3.1.x.

2. Summary of Training Requirements

The JTS/FAST course for the baseline JTS/FAST 3.1.x is a single standing course, not necessarily linked to other NPC Courses.

3. Eligibility

Applicants for the JTS/FAST course do not need to have extensive administration experience in Unix, Solaris and Oracle, although this knowledge would be desirable. In case of more applicants than course seats SHAPE through Chairman ASC SC-1 will set priorities.

4. Duration.

The duration of the course is 18 hours, taught over 3 days.

a. Effective Training Time

The lessons will go from 09:00am till 16:00pm every day.

b. Non-effective time

Coffee breaks (if duty allows) 10:00 – 10:30 am and 15:00 – 15:15 pm.

Lunch 12:30 – 13:30pm.

Small breaks will be at the discretion of the instructor.

5. Security Classification

Since the course is done in a NATO Secret environment, the students must provide a copy of their Security Clearance before entering the NPC premises.

Without a Security Clearance the students will not be able to attend the course.

c. The Slides. NATO UNCLASSIFIED

d. The Network. NATO CONFIDENTIAL

e. The Classroom. NATO CONFIDENTIAL

f. The CD's. NATO UNCLASSIFIED

g. Discussion Topics. NATO CONFIDENTIAL

6. Sponsor.

The overall Sponsor of the JTS/FAST course is the Commander of NPC.

7. Training Executive

The overall responsible for the conduct of these courses is the Head Training Branch. The responsibility can be delegated to another person if required.

8. Course size

The maximum numbers of students is set to 14 due to workstations and instructor availability. Seats for observers (no workstation) are available. Minimum number of students is set to 6. Head Training Branch based on directions from Chairman ASC SC1 can change these numbers.

9. Syllabus Review Date.

This document is Version 1 of Syllabus for JTS/FAST course and is valid from 01 January 2013.

This Syllabus is to be reviewed once a year, and by every new JTS/FAST software baseline release, by the JTS/FAST PL (or by discretion of) Head Training Branch.

10. Additional Information.

a. Location

The JTS/FAST course will run at the NPC in the classroom B12/B13.

b. Nominations for Course

Students apply by using the Application Form attached to the Invitation Letter and available in the NPC Homepages on both secret WAN and public internet.

c. Trade Qualification Annotation

The students on the JTS/FAST course will receive a certificate indicating that they have participated in the JTS/FAST course.

d. Gender Terminology

Where the masculine gender is used (e.g. When a student has a problem he is to ...) it is actually applicable to both genders.

e. List of Abbreviations

ACCS	– Air Command & Control System
ASE/MASE	– Aegis Site Emulator, Multi Aegis Site Emulator
CORBA	– Common Object Request Broker Architecture
COSI	– COrba Service for ICC
ITS	– Individual Training Section
GUI	– Graphical User Interface
ICC	– NATO Integrated Command & Control Software for Air Operations.
ISP	– Interactive Simulation Package
JTS	- Joint Targeting System
FAST	- NATO Joint Time Sensitive Targeting C2 Tool
LAN	– Local Area Network
LDAP	– Lightweight Directory Access Protocol
NADGE	– NATO Air Defence Ground Environment
NATO	– North Atlantic Treat Organization
NISP	– NATO Integrated Solaris Platform

NIRIS	– Networked Interoperable Real-Time Information Services
NPC	– NATO Programming Centre
SRV	– SeRVer
SYNTAX	– SYNthetic Air eXercises
TDL	– Tactical Data Link
TMS	- Training Management Section
WAN	– Wide Area Network

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PART II - ALLOCATION OF TIME

Course Topic	Section	Total	Day 1	Day 2	Day 3
(a)	(b)	(c)	(d)	(e)	(f)
<i>TMS Introduction</i>	Briefing about NPC, Security, Safety and Facilities	30 mins	30 mins		
<i>Introduction</i>	Briefing about the Product, the changes to other baselines and general information	30 mins	30 mins		
<i>Installation on Solaris</i>	Installation of all elements of JTS/FAST	120 mins	120 mins		
<i>Server Configuration</i>	Configuration of the applications	90 mins	90 mins		
<i>System Specifics</i>	Testing the applications	45 mins	45 mins		
<i>Installation on Windows</i>	Installation of all elements of JTS/FAST	120 mins		120 mins	
	Configuration of the applications	60 mins		60 mins	
<i>System Specifics</i>	Testing the applications	30 mins		30 mins	
<i>DBAdmin Tool Tasks</i>	Database Management	105 mins		105 mins	
<i>Getting to know the System</i>	Files and Directories in JTS/FAST	120 mins			120 mins
<i>Different Databases</i>	Setting up different database environments	60 mins			60 mins
<i>Securing the System</i>	Backing up Databases and Files	135 mins			135 mins
Totals		945 mins	315 mins	315 mins	315 mins

PART III - SUMMARY OF THE COURSE CONTENT

Subject (a)	Training Objective Number (b)	Objective (c)	Remarks (d)	
Conditions and Standards.				
All training, both lessons and practical exercises are to be conducted in the classrooms B12-B13.				
All practical exercises are to be completed with using the training manual and the personal notes of the student.				
TMS-Introduction		Information about NPC, Security Regulations, Fire Regulations, Support Facilities and RIS	TMS	Theory 30 mins
Module 1	1.1	Introduction of the Product, Demonstration of the finished Installation with Explanation		30 mins
Module 2	2.1	Installation of the Product on a Solaris Server including all Elements Explanation about Installation Routines and best practices	ITS	120 mins
Module 3	3.1	Installation of the Product on a Windows Server including all elements	ITS	10 mins
Module 4	4.1	Configuration of the Installation	ITS	10 mins
Module 5	5.1	Testing and Troubleshooting of the Installation including pointing out differences in operating system	ITS	10 mins
Module 6	6.1	Site wide configuration, Files and Databases	ITS	10 mins
Module 7	7.1	Setting up different database environments on Server and Clients	ITS	10 mins
Module 8	8.1	Backup of the System, backup of the Databases and system administration tasks	ITS	10 mins
Module 9	9.1	Client setup on different operating systems	ITS	10 mins
Module 10	10.1	Webserver maintenance and different options	ITS	10 mins
	10.2	Setting up an operational environment with Jchat, JTS, FAST and site-wide configuration	ITS	10 mins
		Total for Modules		270 mins

PART IV - SERVICE DIVERSIONS

Subject (a)	Detail (b)	Remarks (c)	Syllabus Time		
			C (d)	P (e)	T (f)
<u>Conditions and Standards.</u>					
Dress code is duty uniform in accordance with national rules for military personnel. For civilians casual, office style. All students need to provide valid Security Clearance, and must provide Training Section with a copy of the NATO Travel Order if they wish to get access the RIS.					
Arrival Belgium	The students must arrange to arrive at the hotel by means of own transportation. There are no resources available at NPC to perform airport pick up etc.				
Hotel	All students receive a list of hotels near the NPC from which they have to arrange their own reservations.				
Arrival NPC	The students are required to arrive 45 minutes before start of course. This to allow time to go through Security Procedures.				
Beverage	The cafeteria at NPC will be open for all students during their stay at NPC. They serve coffee, cakes or a hot meal during the lunch break.				
Shopping	The students can use the Ration Item Store during their stay, but only by providing a valid NATO Travel Order.				
Travel to and from NPC.	The students are required to travel to and from NPC by their own arrangements.				
Total					0 mins

PART V - PUBLICATIONS, EQUIPMENT AND RESOURCES

Serial number (a)	Subject (b)	Equipment (c)	Maximum Overall Quantity (d)
1	Hardware	Projector	1
2	Hardware	OWL-Computer for Instructor	1
3	Hardware	Solaris-Computer for Instructor	1
4	Hardware	Work Stations	14
5	Hardware	Monitors	14
6	Hardware	HUB	1
7	Hardware	Router	1
9	File Server	Installation Software	1
10	Paper copies	SIP - System Installation Plan	15
		SAM - System Administration Manual	15
11	Paper copies	Printout of Slides	15

PART VI - ASSESMENT STRATEGY

Pre-Requisites:

The students are required to have no formal background, however experience as a system administrator is highly desirable.

Learning assessment:

The NPC JTS/FAST COURSE is based on hands-on-learning. Assessment of whether the student has reached the training objective is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a end of course test.

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PART VII - CLASS SIZE

Maximum Class size: 14

Minimum Class size: 6

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Syllabus Authority	H-TRB
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