

NATO PROGRAMMING CENTRE

Server Platform for ICC Compact Edition (SPICE)



SYLLABUS WICC – 12 – X (2.8.2.X)

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COPY 1 of 1

Authority – Head Training Branch (H-TRB)

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PART I - Introduction

1. Aim of the course.

The aim of the course is to enable system administrators to install, maintain and troubleshoot a Windows Server with the ICC for Windows application, including the external elements JChat, JTS/FAST and nICCLink.

2. Summary of Training Requirements.

The course is a standalone course which has no specific requirements. However, some experience with Windows Server is highly desirable.

3. Eligibility

All personnel using the above named applications.

4. Duration.

The duration of the course is 30 hours, of which 24 hours are effective training time.

a. Effective Training Time

The lessons will go from 09:00am till 16:00pm every day, except for Friday and the last day of the course, when the class will be finished at 12:00 hrs.

b. Non-effective time

Coffee breaks (if duty allows) 10:00 – 10:30am and 15:00 – 15:15 pm.
Lunch 12:30 – 13:30 pm.

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.

a. The Slides. NATO UNCLASSIFIED

b. The Network. NATO CONFIDENTIAL

c. The Classroom. NATO CONFIDENTIAL

d. Discussion Topics. NATO UNCLASSIFIED

6. Sponsor

The overall Sponsor of the Server Platform for ICC Compact Edition (SPICE) Course is the Commander of NPC.

7. Training Executive

The overall responsible for the conduct of these courses is the Chief Individual Training Section (C-ITS). The responsibility can be delegated to another person if required.

8. Course size

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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 and Instructional Specification Review Date.

This document is Version 1 of Syllabus for SPICE Course and is valid from 01 Apr 2012. This Syllabus is to be reviewed two times a year, by H-TRB and C-ITS.

10. Additional Information.

a. Location

The SPICE Courses will run at the NPC in the classroom B12.

b. Nomination for Course.

Students apply by using the Application Form available at the NPC website.

c. Trade Qualification Annotation.

The students on the SPICE Courses will receive a certificate indicating that they have participated in the SPICE Course.

d. List of Abbreviations.

NPC – NATO Programming Centre

ITS – Individual Training Section

ICC – NATO-wide Integrated Command & Control Software for Air Operations.

NATO – North Atlantic Treat Organization

NADGE – NATO Air Defence Ground Environment

ISP – Interactive Simulation Package

SYNTAX – Synthetic Air Exercises

ACCS – Air Command & Control System

ASE/MASE – Aegis Site Emulator, Multi Aegis Site Emulator

COSI – Common Object Request Broker (CORBA) for ICC

NIRIS – **N**etworked **I**nteroperable **R**eal-Time **I**nformation **S**ervices

PART II - ALLOCATION OF HOURS

Day		Theory	Lab	Total
Day 1				
	Introduction Training Management Section	0.5		0.5
	Introduction of Server Platform for ICC Compact Edition (SPICE)	0.5		0.5
	Coffee Break			0.5
	Installing the Server Platform for ICC Environment (SPICE)		2.0	2.0
	Lunch Break			1.0
	DBAdmin Tool and DemoDatabase		1.5	1.5
	Coffee Break			0.25
	Features of the DBAdmin Tool		0.75	0.75
Day 2				
	COSI License Installation and Troubleshooting		1.0	1.0
	Coffee Break			0.5
	File Locations of the OracleXE, ICC Databases		2.0	2.0
	Lunch Break			1.0
	Backing up and Restoring of ICC Databases		1.5	1.5
	Coffee Break			0.25
	Troubleshooting corrupt ICC databases		0.75	0.75
Day 3				
	ICC Site Wide Configuration Editor, including File locations of the ICC Site Wide Configuration and modifying the configuration files		1	1
	Coffee Break			0.5
	Tomcat Server Installation, Installation of nICCLink, setting up replication links, troubleshooting the system		2	2
	Lunch Break			1.0
	ICC Operational Briefing		1.5	1.5
	Coffee Break			0.25
	Installation of Openfire Webserver, Installation of JChat, JTS/FAST		0.75	0.75
Day4				
	Troubleshooting JChat and JTS/Fast, reading logfiles and identifying problems and error messages		1	1

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	Coffee Break			0.5
	Work with Chat rooms and Components within the JTS/FAST		2	2
	Lunch Break			1.0
	Setting up the Openfire server with different database environments		1.5	1.5
	Coffee Break			0.25
	Resolve open Issues		0.75	0.75
Day 5				
	Presentation of the Customer Service Desk	1		1
	Coffee Break			0.5
	Conducting SPICE-Test		1	1
	Certificates and Wash-Up		1	1

PART III - SUMMARY OF COURSE CONTENT

Subject (a)	Training Objective Number (b)	Objective (c)	Remarks (d)	Syllabus Hours		
				Classroom	Practical	Total
<u>Conditions and Standards.</u>						
All training, both lessons and practical exercises are to be conducted in the classroom B12.						
Introduction TMS	1	Students know about the locations, regulations and safety at the NPC		0.5		0.5
Introduction SPICE	2	Students learn about the structure, elements and prerequisites of SPICE		0.5		0.5
Installation of SPICE	3	Students perform the installation of a SPICE on a Windows 2003 platform			2.0	2.0
DB Admin Tool and Demo Database Management	3.1	Students perform the installation of the Demo Database and familiarize themselves with the DB Admin Tool			1.5	1.5
Features of the DB Admin Tool	3.2	Students learn to create, copy, modify, delete Databases with the DB Admin Tool			0.75	0.75

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COSI License Installation and Troubleshooting	3.3	Students are able to create the necessary files for the COSI license and are knowledgeable about the obtaining of the license			1.0	1.0
File Locations of Oracle XE, ICC Databases	3.4	Students familiarize themselves with the file locations and editing features of the SPICE application.			2.0	2.0
Backing up and Restoring of ICC Databases	3.5	Students apply the respective techniques to backup and restore databases within SPICE			1.5	1.5
Troubleshooting ICC Databases	3.6	Students learn to troubleshoot ICC Databases and get to know the different levels of error messages.			0.75	0.75
ICC Site Wide Configuration Editor and Configuration File Locations	3.7	Students are enabled to set up ICC site wide configuration, locate the configuration files and edit those files.			1.0	1.0
Tomcat Server Installation, nICCLink installation, Replication and Troubleshooting	4	Students configure the preinstalled Tomcat Server, create the administrator accounts for nICCLink and start a replication. They identify trouble areas and learn how to troubleshoot the installation.			2.0	2.0
ICC Operational Briefing	5	The students are briefed about ICC in operational environments and aspects of the ICC users.			1.5	1.5
Installation of Openfire Webserver and JChat, JTS/FAST	6	Students learn to configure the preinstalled Openfire Webserver and install the external applications JChat and JTS/Fast			0.75	0.75
Troubleshooting JChat and JTS Fast	6.1	Students learn to troubleshoot the installations and identify errors and problems. The students learn to			1.0	1.0

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		work with the log files.				
Working with Chat Tools and Components	6.2	Students will be able to set up chat rooms with different prerequisites and components with different operational purposes			2.0	2.0
Openfire Server in different Database environments	6.3	Students modify the Openfire server for different databases and familiarize themselves with the different setups.			1.5	1.5
Resolve Open Issues	7	Students are able to ask questions and work on unresolved issues.			0.75	0.75
Presentation of the Customer Service Desk	8	Students learn how to request help, how the customer service desk is organized and where to find information		1.0		1.0
Testing the Knowledge of Students	9	Students perform the written SPICE Test			1.0	1.0
Certificates and Wash-Up	10	Students receive their certificates and are able to give feedback and raise issues.			1.0	1.0

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PART IV - SERVICE DIVERSIONS

Subject (a)	Detail (b)	Remarks (c)	Syllabus Hours		
			Classroom	Practical	Total
<u>Conditions and Standards.</u>					
Dress code is duty uniform or civilian clothes in according 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	The students must arrange the hotel by means of own arrangements. A list of hotels in the vicinity of the NPC will be provided.				
Arrival NPC	The students are to arrange the transport from their hotel to the NPC by own arrangement and sign in at the reception on their arrival.				
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.	There are no resources available at NPC to perform transport services from the hotel to the NPC or vice versa.				
Total			2 hours	22 hours	24 hours

PART V - PUBLICATIONS, EQUIPMENT AND RECOURCES

Serial number (a)	Subject (b)	Equipment (c)	Maximum Overall Quantity (d)
	Hardware	Projector	1
	Hardware	Work Stations	14
	Hardware	Monitors	14
	Hardware	Servers	1
	Hardware	HUB	1
	Hardware	Router	1
	Paper copies	Student Manual	14 *

* plus copies for guests

PART VI - ASSESMENT STRATEGY

Pre-Requisites:

The students are required to have Windows experience and be able to follow a course held entirely in English language. Their supervisor in the joining notice must confirm these prerequisites otherwise the applicant will not be accepted for the course. If this prerequisite cannot be met H-TRB will generally not allow the applicant to participate in the course.

Learning assessment:

The NPC SPICE Course is based on learning by doing. 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. An End-of-Course Test will evaluate the key factors of the course.

PART VII - CLASS SIZE

Maximum Class size: 14

Minimum Class size: 6

Syllabus Authority	Head Training Branch
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