

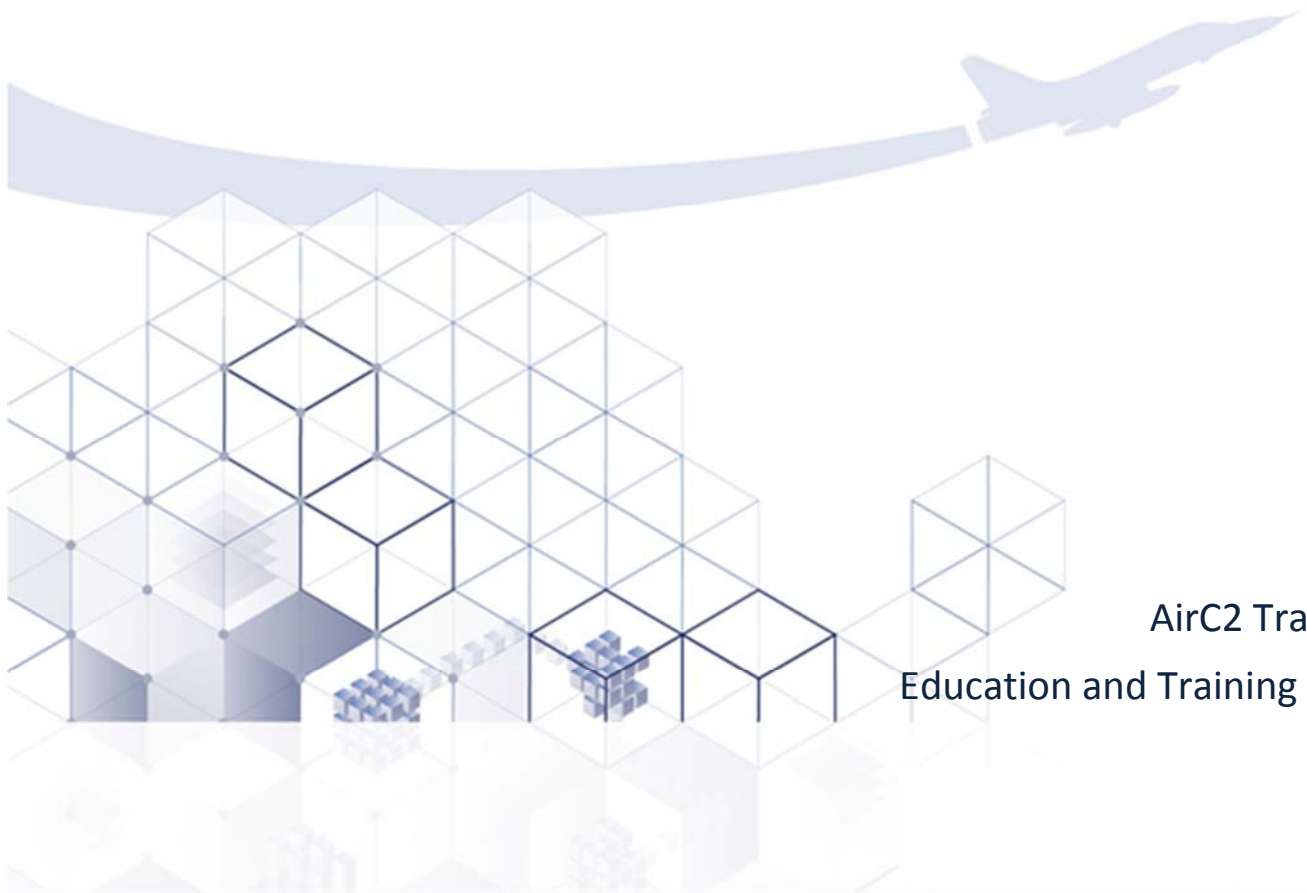
NATO UNCLASSIFIED



NATO Communications and Information Agency
Agence OTAN d'information et de communication

ACCS SYSTEM MANAGER COURSE SYLLABUS

Version 3.0



AirC2 Training Group
Education and Training Service Line

Authority Page

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Version	Reason	Pages Affected
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1.1	Added new modules	All
1.2	Added new modules	All
2.0	Major Course Update	All
3.0	Annual Review and new modules added	8-18

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1 Introduction

1.1 Aim of the Course

The aim of the course is to enable personnel with limited pre-requisite training to be able to fulfil the duties of the ACCS System Manager.

1.2 Summary of Training Requirements

The ACCS System Manager Course for the baseline LOC1 BL 5 is a single standalone course, not necessarily linked to other NCI Agency Courses.

1.3 Eligibility

Applicants for this course are required to have a basic understanding of UNIX, Solaris and Oracle. If the course is oversubscribed SHAPE will set priorities.

1.4 Duration

The course duration is 2 days.

- | | | |
|-------------------|--------|---------------------------------|
| a. Training Day : | | 09:00 - 16:00 |
| b. Breaks: | Coffee | 10:00 - 10:20 and 15:00 - 15:20 |
| | Lunch: | 12:30 - 13:30 |

1.5 Security Classification

The course is delivered within a NATO Secret environment; therefore, the students must provide a copy of their Security Clearance before entering the NCIA Glons premises. Without a Security Clearance the students will not be able to attend the course.

Course contents are the following classification:

- Slides: NATO RESTRICTED
- Network: NATO RESTRICTED
- Classroom: NATO RESTRICTED
- Media: NATO RESTRICTED
- Discussion Topics: NATO RESTRICTED

1.6 Sponsor

The overall sponsor of the ACCS FAM Course is the head of the AirC2 Training Group.

1.7 Training Executive

The person with overall responsibility for the training at NCIA Glons is the Chief Individual Training. This responsibility can be delegated when required.

1.8 Class Size

The maximum numbers of students is set to 20 due to workstation and instructor availability. Seats for observers, with no workstation, are available.

NCI Agency reserves the right to cancel any course if the number of students is less than 8.

1.9 Review Date

To ensure that the course is effective and current the AirC2 Training Group aim to do a full review of course material annually. Parts of the course can be updated before this time if needed.

1.10 Additional Information

1.10.1 Location and Timings

This course is given at NCIA Glons. On site delivery can be negotiated.
All the classes will start at **09:00 till 16:00.**

1.10.2 How to Apply

Students apply by using the NCIA Course Application System (Studaba) available on the NCIA webpage.
Link to Training Portal: <https://www.ncia.nato.int/Our-Work/Pages/Education-and-Training.aspx>

1.10.3 Certification

Students who successfully complete this course will receive a certificate for the ACCS FAM Course.

2 Course Content

Table 1 – Course Content

	Course Topics	Time Allocation	Type of lesson
	Course Schedule - Day 1 from 0900		
0	Introduction - Welcome and Administrative Briefing	15 min	Theoretical session
1	ACCS Background and History	45 min	Theoretical session
	COFFEE BREAK	30 min	
2	ACCS Concept of Operations	45 min	Theoretical session
3	ACCS Entities and Roles	70 min	Theoretical session
	LUNCH BREAK	60 min	
	Course Photograph	10 min	
4	ACCS Operational Perspective	40 min	Theoretical session
5	ACCS LOC 1 Architecture - Software	30 min	Theoretical session

6	ACCS LOCs Architecture – Hardware/ STVF Visit and if possible ACCS Demo	Up to 120 min	Theoretical/Practical session
7	Course Schedule - Day 2 from 0900 Testing and Training Schedule, Current Training Status – an Overview	Session no	Theoretical session
	COFFEE BREAK	30 min	
8	The Use of the Interactive Electronic Technical Manual (ITEM)/ALSO	60 min	Theoretical session Practical session
9	ACCS Site Experience	55 min	Presentation
	LUNCH BREAK	60 min	
10	Information and Documentation	20 min	Theoretical session
11	ACCS NPC Activities.	15 min	Theoretical session
12	ACCS Simulation	45 min	Theoretical session
13	Course Evaluation and Debrief	15 min	End of Course

Subject (a)	Training Session (b)	Objectives (c)	Remarks (d)	Syllabus Time (e)
Performance, Conditions and Standards All training sessions (lessons and <i>practical exercises</i>) will be conducted in Classroom B-50.				
Session ACCS Course Introduction	0	Welcome students to NCIAGlons and the ACCS Fam Course. Administrative Briefing.		15 min
Session ACCS and Background History	1	State what ACCS is Explain the difference between ACCS and ACCS LOC1		45 min

Subject (a)	Training Session (b)	Objectives (c)	Remarks (d)	Syllabus Time (e)
		<p>Explain why ACCS LOC1 is being introduced</p> <p>Describe the history of the ACCS LOC1 programme</p> <p>Describe the key organisations and their roles</p>		
Session ACCS Concept of Operations	2	<p>Explain the Concept of Operations</p> <p>Define the need for an Air Picture and describe the 3 main levels</p> <p>Explain how the interim and future Air C2 systems fit into the overall Air C2 process</p>		45 min
Session ACCS Entities and Roles	3	<p>Define the ACCS LOC1 Entities</p> <p>Describe ACCS LOC1 Functional Areas and Roles</p>		70 min
Session ACCS An Operational View	4	Discussion on the operational characteristics of ACCS		40 min
Session ACCS LOC1 Architecture Software	5	Summarise the purpose of each of the main Software components of ACCS LOC1		30 min
Session ACCS LOC1 Architecture Hardware/ STVF visit and if possible ACCS Demo.	6	<p>Summarise the purpose of each of the main Hardware components of ACCS LOC1,</p> <p>Identify STE, SEE, Test tools, Interfaces and comms/ADP equipment in the Server Room.</p> <p>ACCS demo on an available ACCS string</p>		Up to 120 min
Session ACCS Testing, Training and current Training status	7	Identify the major test phases of both the Testing- and the Training Plan		60 min

Subject (a)	Training Session (b)	Objectives (c)	Remarks (d)	Syllabus Time (e)
		Inform about current training status, optimized approach to training, post contractual training and how to participate on an ACCS contractual Training Course.		
Session IETM	8	Understand and be able to use the IETM/ALSO		60 min
Session ACCS Site Experience	9	Presentation from an experienced Site Test Director		55 min
Session Information and Documentation	10	Access and use ACCS Information and Documentation		20 min
Session The Role of NPC Glons and Training Activities	11	Explain the role the NPC throughout the different phases of the ACCS programme		15 min
Session ACCS Simulation	12	Provide overview of simulation using the ACCS system. Cover the difference of ISP and ACCS simulation. Cover the major components that make up the ACCS simulation package Inc. live demo.		45 min
Session Course Debrief	13	Course Evaluation and Debrief		15 min

3 Publications, Equipment and Resources

Table 2 - Publications, Equipment and Resources

Serial Nos	Type	Equipment	Qty
1	Hardware	Projector	2
2	Hardware	Windows Computer for Instructor	1
3	Course Media	Course Slides Course Handouts Course Handbook	20

4 Assessment

4.1 Prerequisites

The students should background in AIRC2 systems.

4.2 Learning Assessment

This is based on learning by doing. Assessment of whether the student has reached the training objectives is performed in an active dialog between student and instructor, mainly during the practical exercises and labs, and by the student performing a multiple choice test.

5 Administration

5.1 Dress Code

Dress code is duty uniform in accordance with national rules for military personnel. For civilians smart casual style clothing can be worn. (No sportswear).

5.2 Security Clearance

All students must provide valid Security Clearance.

5.3 Accommodation

Students must arrange their own accommodation.

5.4 Transportation

Students must arrange their own transportation. There are no resources available at the NCIA Glons to perform airport pickups etc.

5.5 Food and Drink

The cafeteria at NCIA Glons will be open for all students during their stay at NCIA Glons. They serve coffee, cakes or a hot meal during the lunch break. No breakfast or dinner is served at the cafeteria.

5.6 TAX Free Shopping

Students can use the NCI A Glons Ration Item Store during their visit providing that they provide a valid NATO Travel Order and they are at NCI A Glons for a minimum of 8 working days.

Annex A Acronyms

Acronyms used in this course include:

ACCS	Air Command and Control System
ACC	Air Control Centre
ADP	Automated Data Processing
ARS	ACC RPC SFP
ASAP	ACCS Special Application Programmes
ATC	Air Traffic Control
AWCIES	ACCS-wide Common Information Exchange Standards
BMDOC	Ballistic Missile Defence Operations Centre
CAD	Common Alert Display
CAOC	Combined Air Operations Centre
CARS	CAOC ARS RPC SFP
COTS	Commercial Off The Shelf
CSCI	Computer Software Configuration Item
CSD	Common State Display
CSE	Communication Security Equipment
DARS	Deployable ARS
DCAOC	Deployable Combined Air Operations Centre
DCS	Data Communication Equipment
DIPLAS	Mission Preparation
DSS	Data Storage and Services Server
GIS	Geographic Information System
GUI	Graphical User Interface
HMI	Human Machine Interface
HWCI	Hardware Configuration Item

HVE	High Visibility Events
IETM	Interactive Electronic Technical Manual
ILOM	Integrated Lights Out Manager
JFACC	Joint Force Air Component Command
LAN	Local Area Network
LDAP	Lightweight Directory Access Protocol
LOC1	Level of Operational Capability 1
MASE	Multi AEGIS Site Emulator
MISEXC	Mission Execution CSCI
MISSUP	Mission Execution Support Applications
MPX	Mission Execution and Planning Server (Old Terms: MXS, MPS)
NADGE	NATO Air Defence Ground Environment
NRT	Non Real Time
GEADGE	German Air Defence Ground Environment
NATO	North Atlantic Treaty Organisation
OPUS	Mission Planning Support Applications CSCI
QRP	Quick Reaction Package
RAP	Recognized Air Picture
RPC	RAP Production Centre
RT	Real Time
SAN	Storage Area Network
SCM	System Control and Management
SFP	Sensor Fusion Post
SM	System Manager
SQOC	Squadron Operations Centre
SRV	Server

SSI	Software Significant Item
TDL	Tactical Date Link
TPR	Two Person Rule
VCE	Voice Communication Equipment
VCF	Voice Communication Facilities
VM	Virtual Machine
WAN	Wide Area Network
WOC	Wing Operations Centre