

European ATCO Common Core Content : from topics to competencies

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ATM Training and Competence

CCC Specifications - Developments



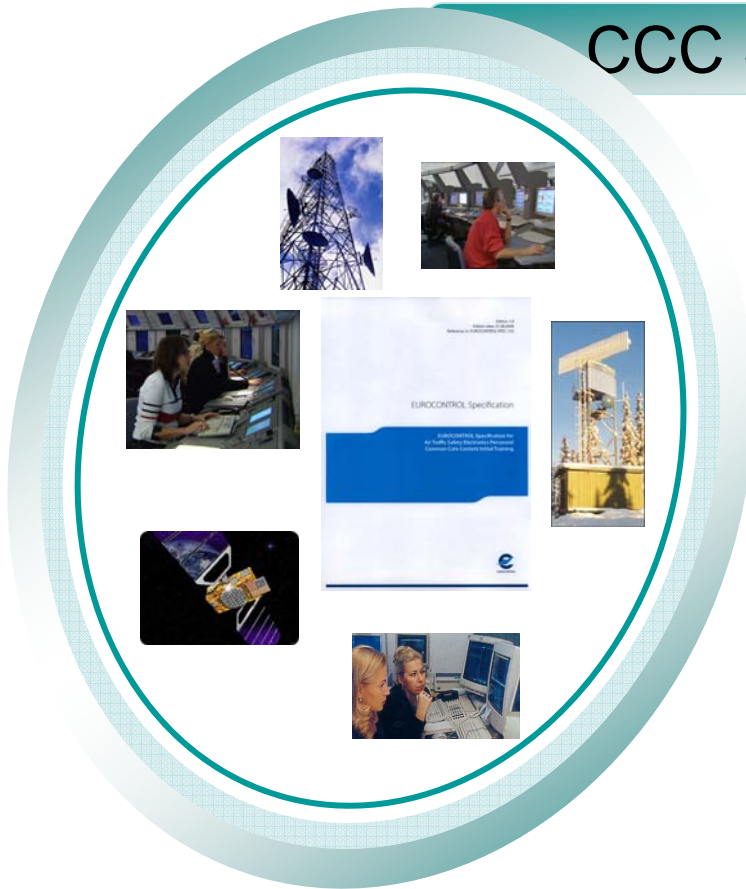
CCC Concepts

Competence

Training Plans

ATM Training and Competence

CCC Specifications - Developments





ATSEP Training Specifications Development Participation

ANSP/Training Providers

Belgocontrol/ Belgium	LVNL/The Netherlands
Crocontrol/Croatia	AENA/Spain
ENAC + DSNA/ France	Skyguide/Switzerland
DFS/Germany	UkSATSE/Ukraine
HCAA/Greece	NATS/United
NavPortugal/Portugal	

Social Partners/Associations

ETF

IFATSEA

Regulators

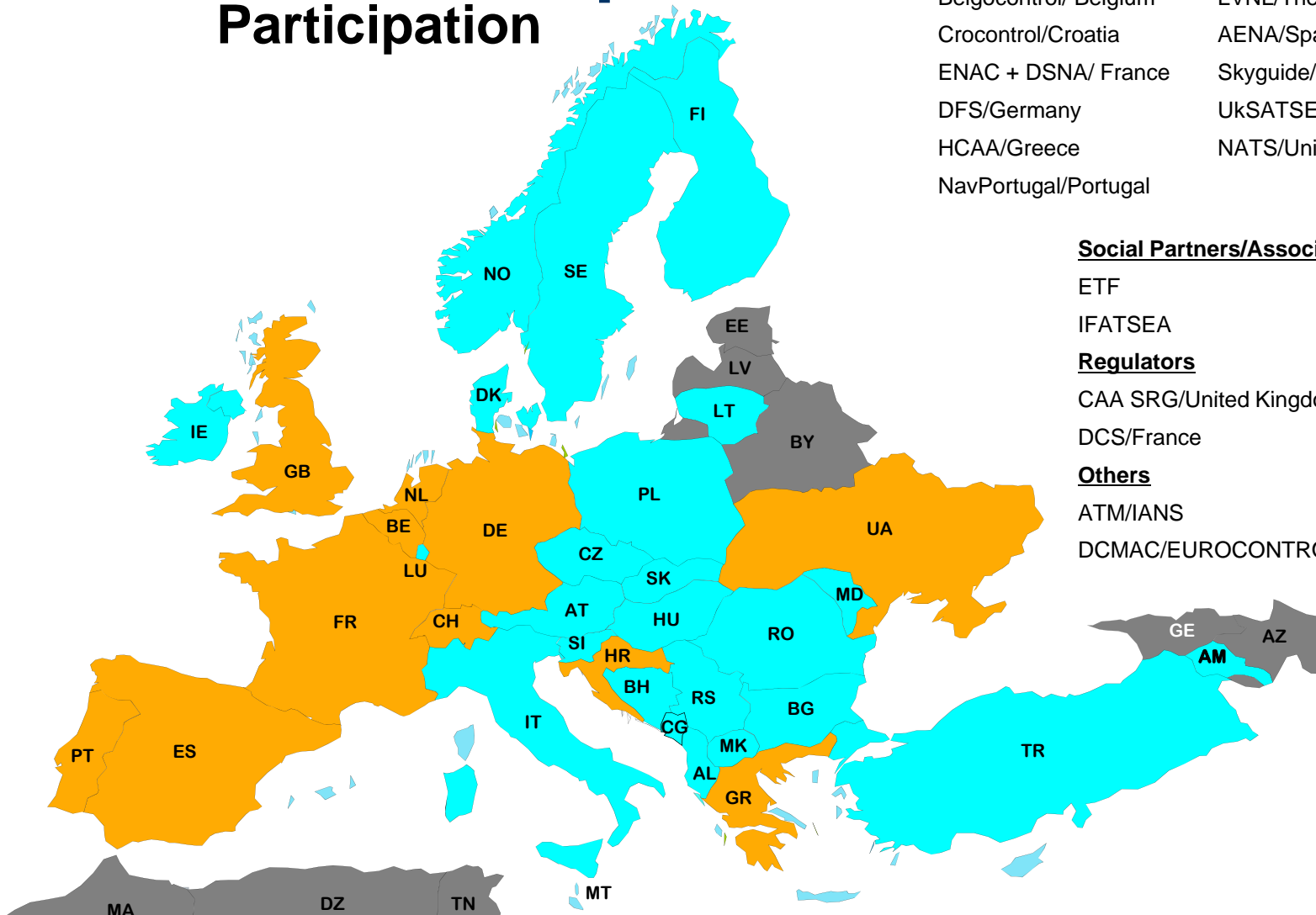
CAA SRG/United Kingdom

DCS/France

Others

ATM/IANs

DCMAC/EUROCONTROL



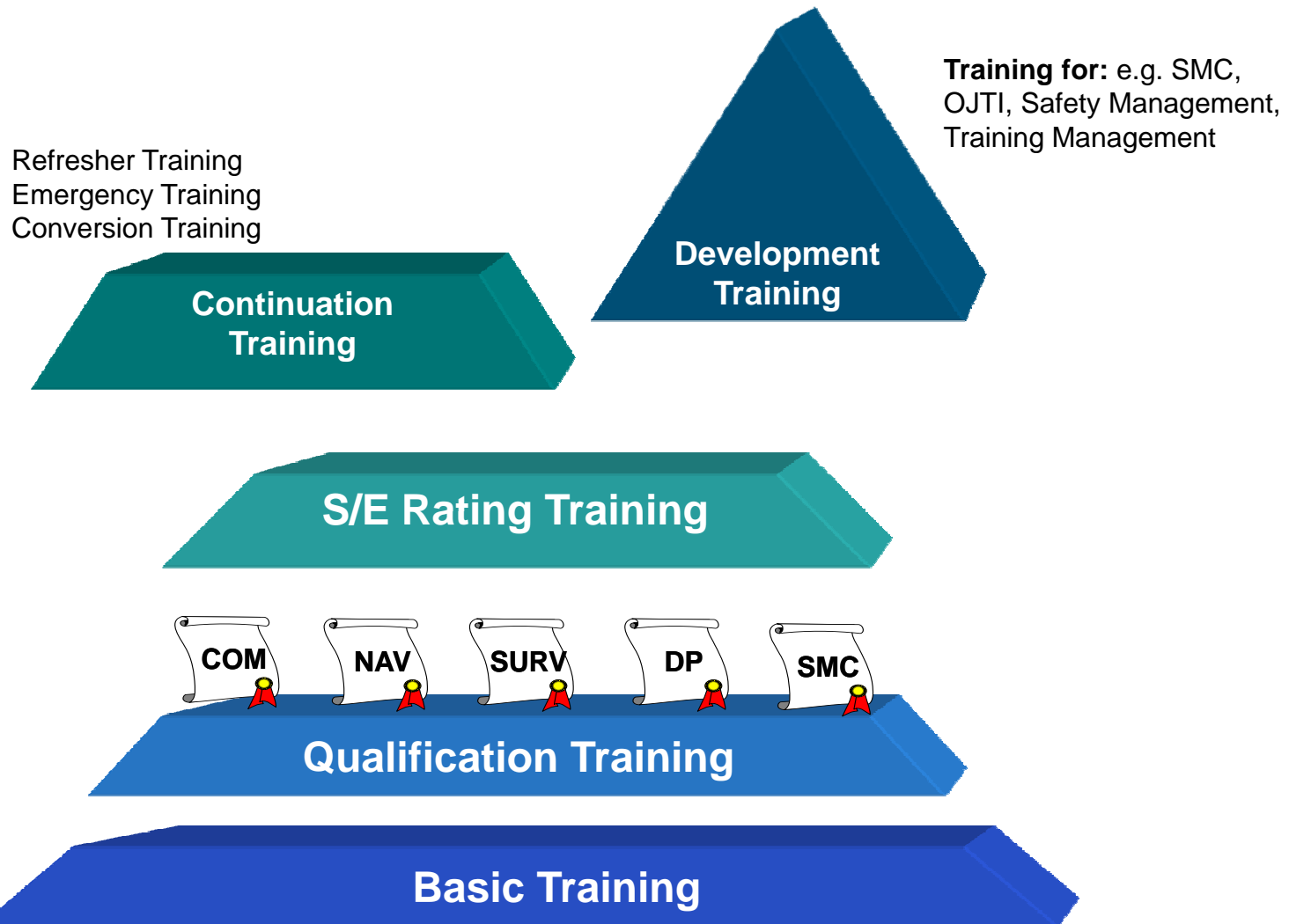
ATC0 Training Specifications Development

13 Member States
Participated to the
TF (providers and
regulators)

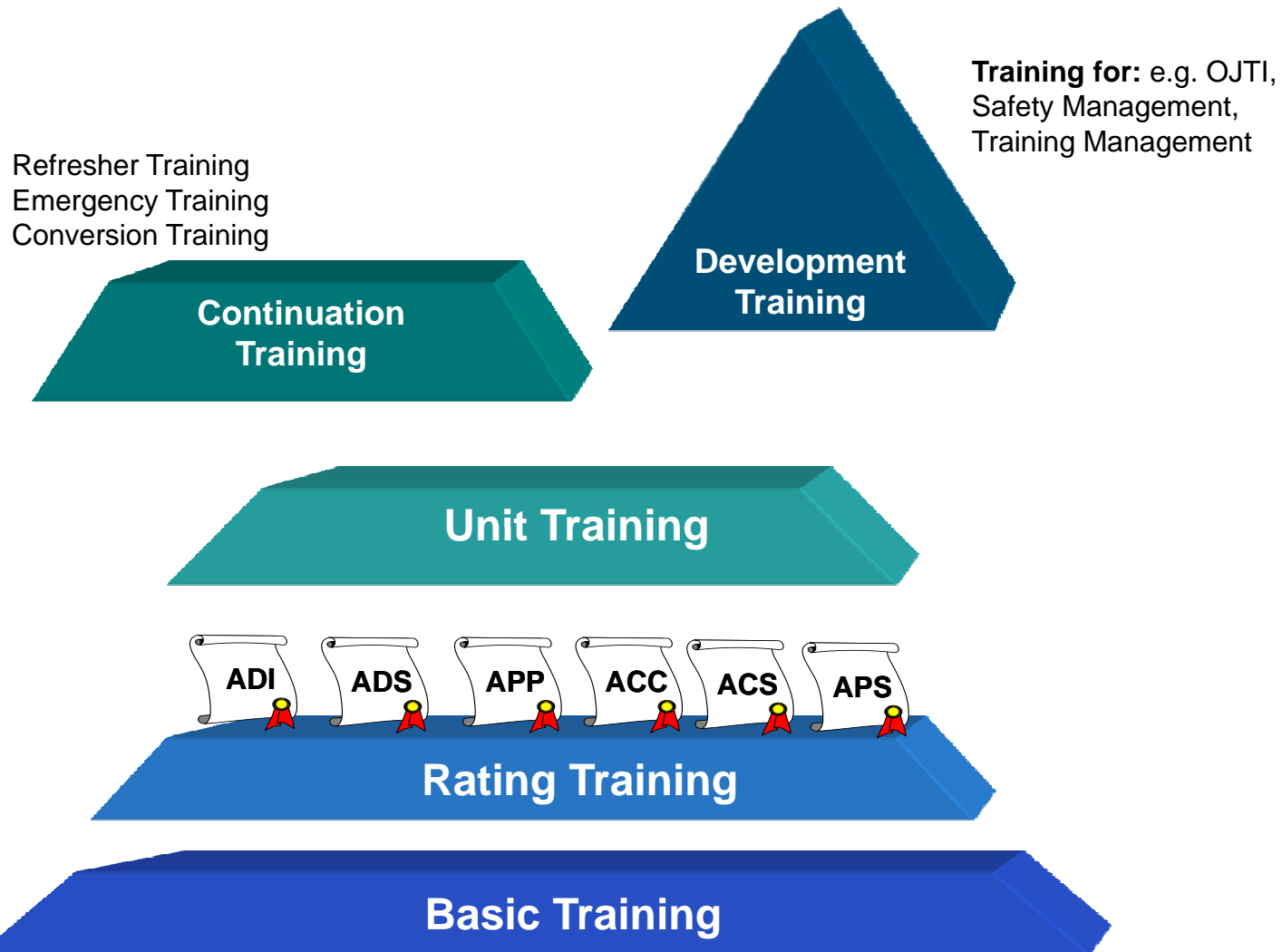
18 Member States
Responded to
formal consultation

60 delegates attended a
consultation workshop at
Luxembourg on
September 2008

ATSEP Training Phases



ATCO Training Phases



EUROCONTROL Common Core



Principles and structure

3.5.3 Syllabus

Subject 1: Voice

TOPIC SUBTOPIC	Objectives Students shall....	L	CONTENT	TASK No.
1 Air Ground				
1.1 Transmission/ Reception	1.1.1 Perform typical measurements on a transmitter	3	Frequency (single carrier, offset carrier), modulation, channel spacing, output power, SWR	
	1.1.2 Analyse and troubleshoot a generic radio transmitter	5	Noise, intermodulation, harmonics	
	1.1.3 Design and interpret the block diagram of a transmitter	5	Characteristics (modulation, single carrier, channel spacing) functionalities	

Topic



Objective

Content

Level

ATM Training and Competence



Competence

- competence is linked to action;
- competence is valid in a context;
- competence combines knowledge, skills and attitudes;
- competence cannot be reduced to its simple components but “integrates“ the components to a whole task-related measurement;
- competence is defined relative to some standards (standards on the task definition or on the competence evidence).

How to acquire and maintain competence

- Acquiring competence involves :
 - technical training
 - Acquisition of attitude and behaviour
 - Experience and knowledge of the application domain
 - Communication skills (Human factors, language if required)
- Maintaining and consolidating competence involves :
 - Recency and experience
 - Change management
 - Refresher training
 - Preparation for emergencies or unusual situations

EUROCONTROL CCC Training



Training Plans

Subject 5 : NAVIGATION

Subject

The general objective is:

Learners shall analyse all navigational aspects in order to organise the traffic. Subject objective

1 MAPS AND AERONAUTICAL CHARTS

Topic

1.1 Maps and Charts

Subtopic

1.1.1 Decode symbols and information displayed on aeronautical maps and charts.

3

Visual approach charts, Instrument approach charts, Aerodrome charts

e.g. *Military maps and charts*

Objective

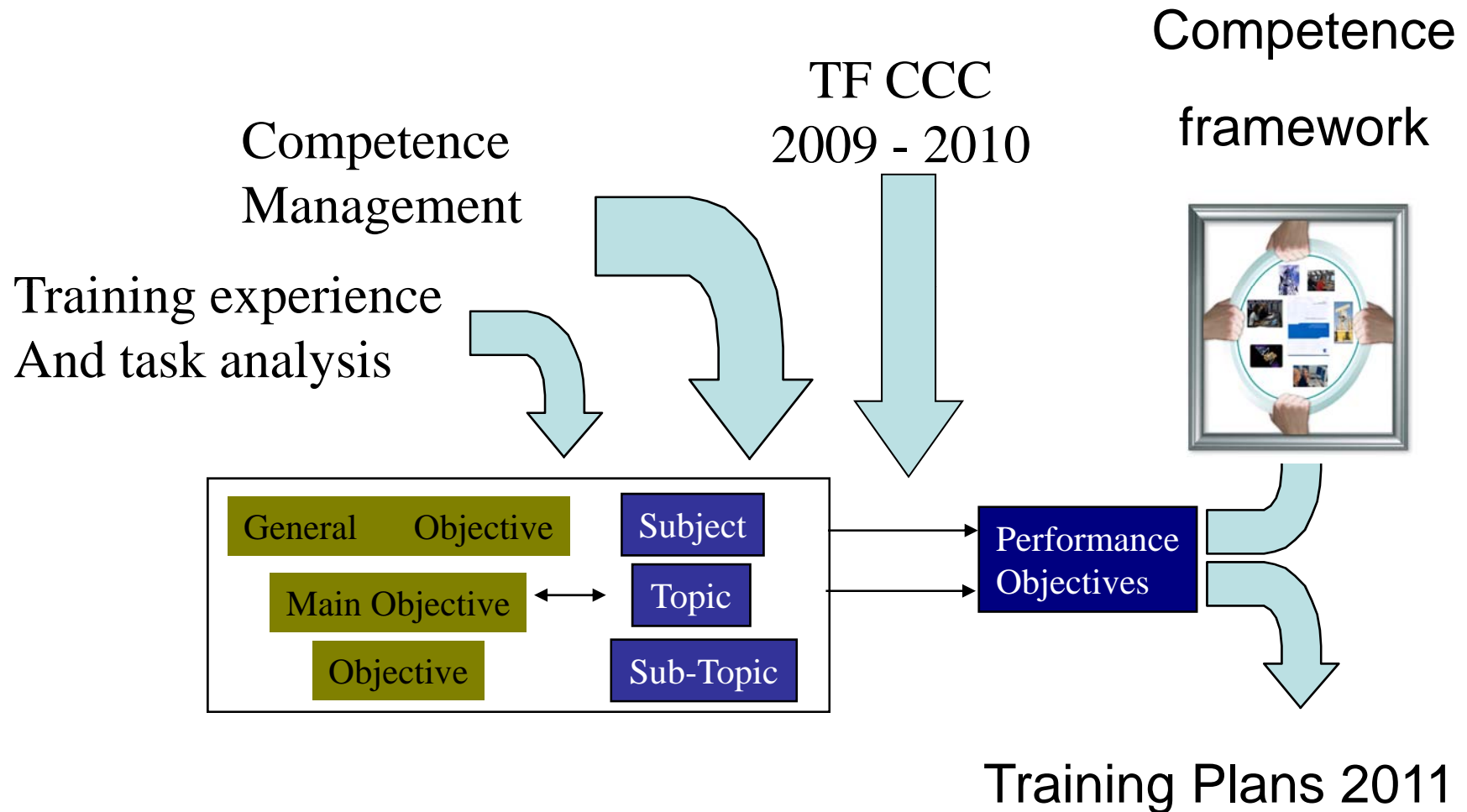
ADV
ADI

- + **training requirements**
 - + type of training event
 - + educational material needed
 - + method and mode of delivery
- + **time scale**
- + **performance objectives**

Performance objective

*A clear and unambiguous statement of what a student is expected to do (behaviour or **Performance**) with the minimum level of acceptable performance (**Standard** in terms of quality, quantity and time allowed for completion) and **conditions** under which the performance is to be carried out (**PSC**)*

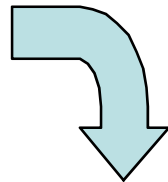
From topics to competence



Conclusion

Competence Based Training

Consultation
and
consensus



EUROCONTROL
Training Specifications

Cooperative
Training
design

