Safety Courses at IANS

ES2 WS3-2011 Bled/Slovenia - 21/22 September 2011
Software Safety Assurance & Degraded Modes of Operations

Before starting….

PC Berceur.flv

NM Training Division at IANS in Luxemburg
is an important element
to keep Pan-European ATM Network operations

safe, efficient and highly competent

For ANSPs and FABs

ensure knowledge and competence
to meet
ATM performance targets
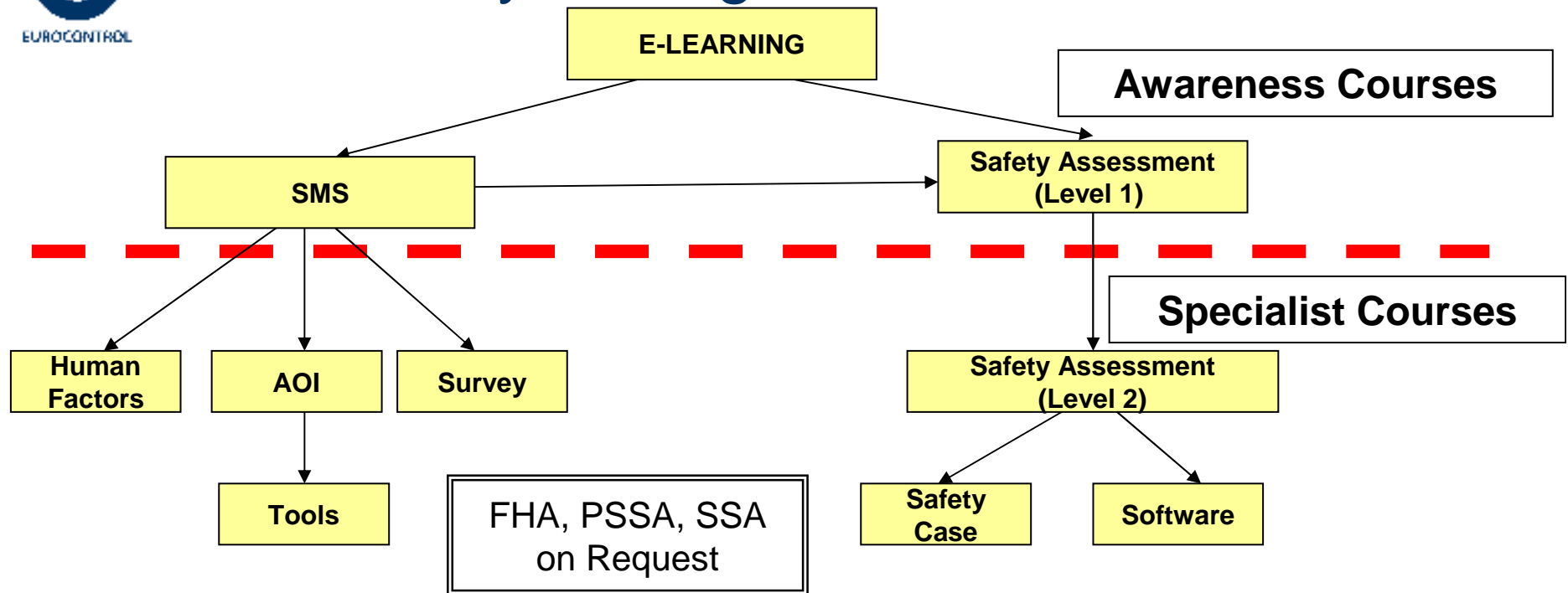through common training products

For Regulators and States

ensure knowledge and competence
to regulate and oversee
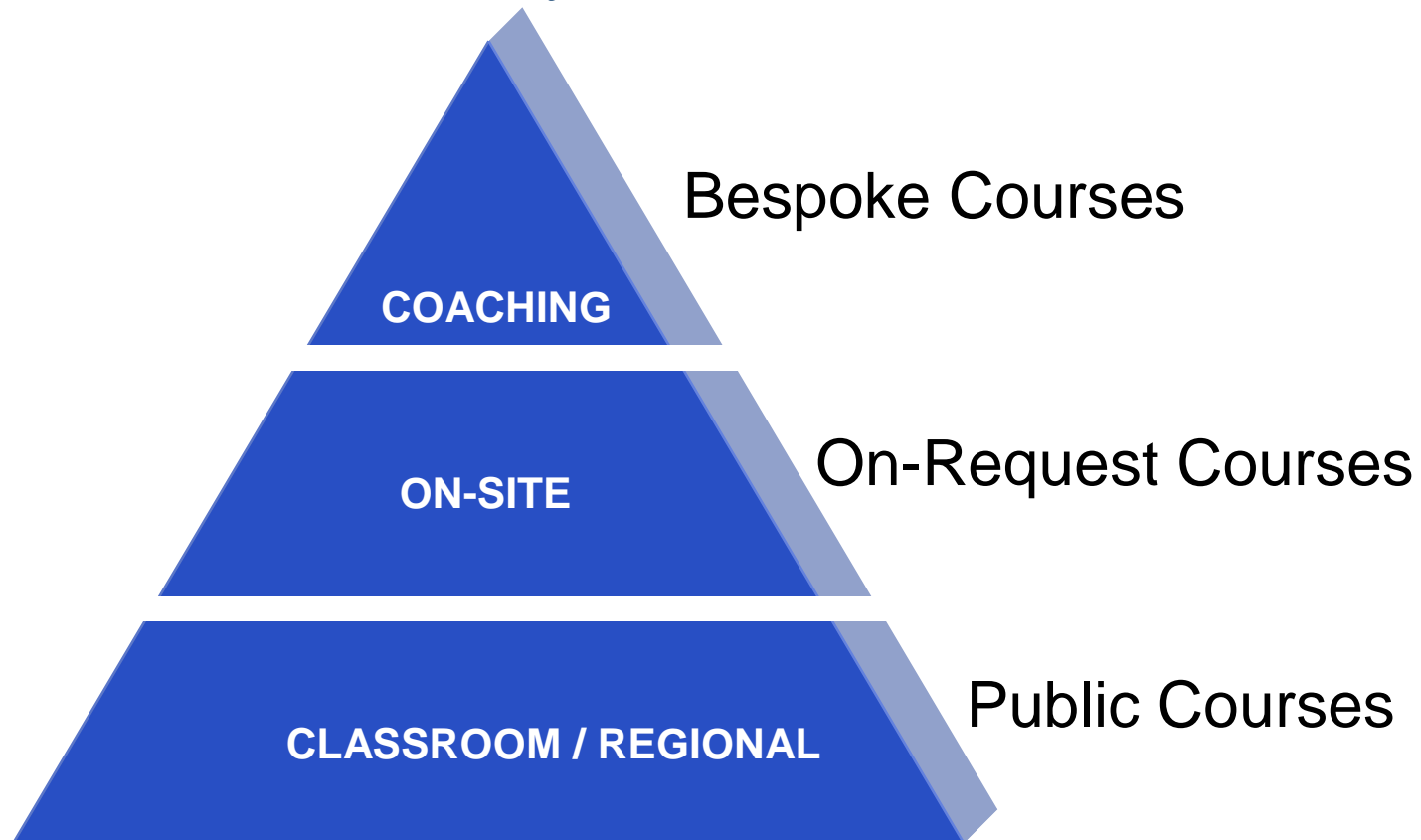ATM through common training
products

ATM Training
Work Programme 2011

- Network Operations Training Programme
- Flight Efficiency Training Programme
- CNS and ATC Deployment Coordination Training support
- **Safety Management Training Programme**
- **Regulatory Training Programme**

Safety Management Portfolio 2011

E-LEARNING

Awareness Courses

SMS → **Safety Assessment (Level 1)**

Specialist Courses

- **Human Factors**
- **AOI** → **Tools**
- **Survey**

FHA, PSSA, SSA on Request

Safety Assessment (Level 2)
- **Safety Case**
- **Software**

Course Delivery Format

COACHING — Bespoke Courses

ON-SITE — On-Request Courses

CLASSROOM / REGIONAL — Public Courses

NSA Training Initiative Package

Introduction to
Single European Sky

Role of the NSA

NSA Audit Techniques
And Practice

- ❑ **2.5 year program**
- ❑ **Modular courses**
- ❑ **Examined**
- ❑ **Endorsed by the Safety**
  Regulation   Commission
- ❑ **In support of Commission**
  Regulation (EC) No. 1315/2007

Mandatory

Mandatory

Mandatory

- -

NSA Oversight of
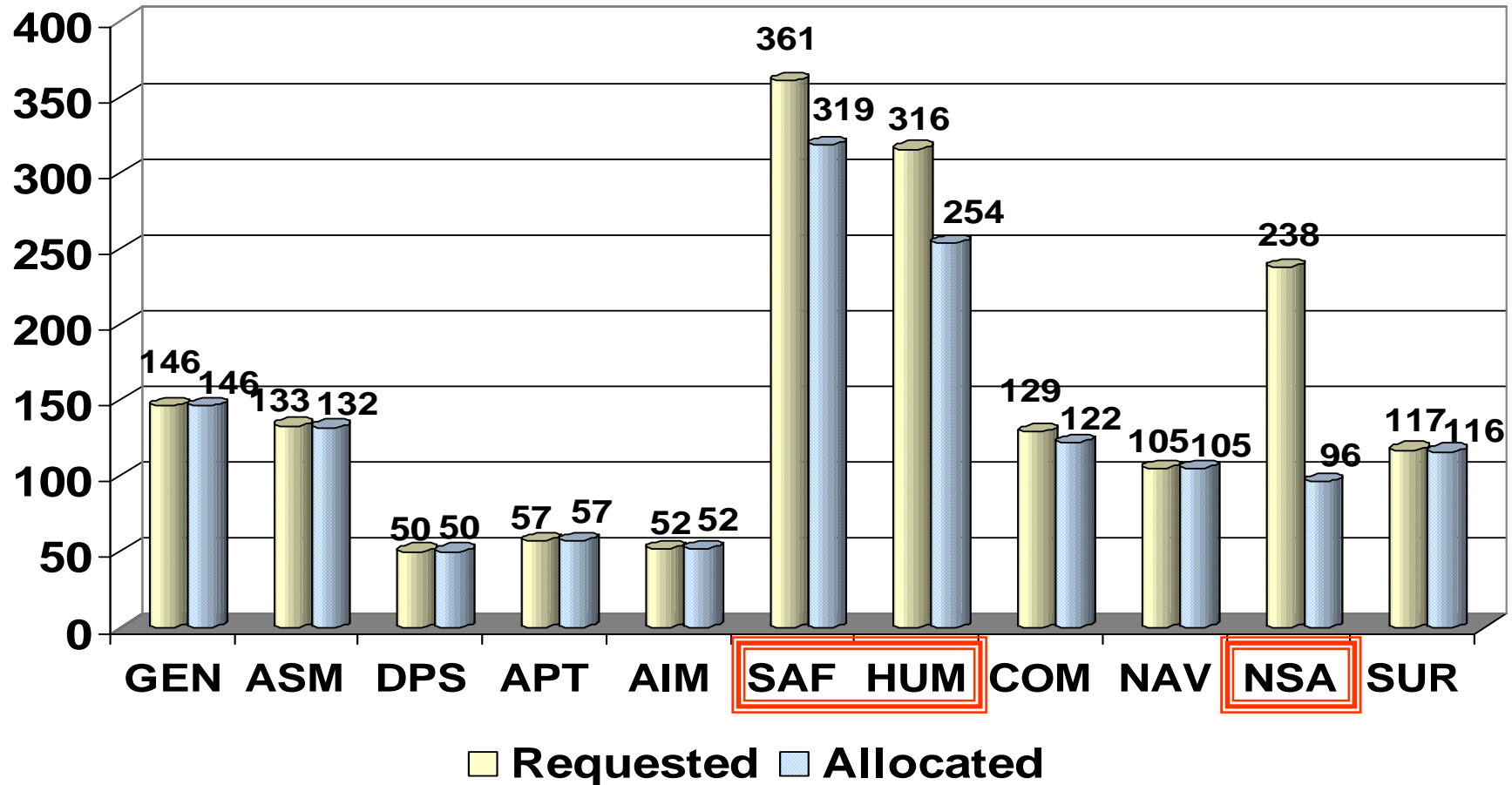Occurrence Reporting and
Investigation Arrangements

NSA Oversight of
Competence Arrangements
for ATM Staff

NSA Oversight of
Safety Management
Arrangements

**NSA Oversight of
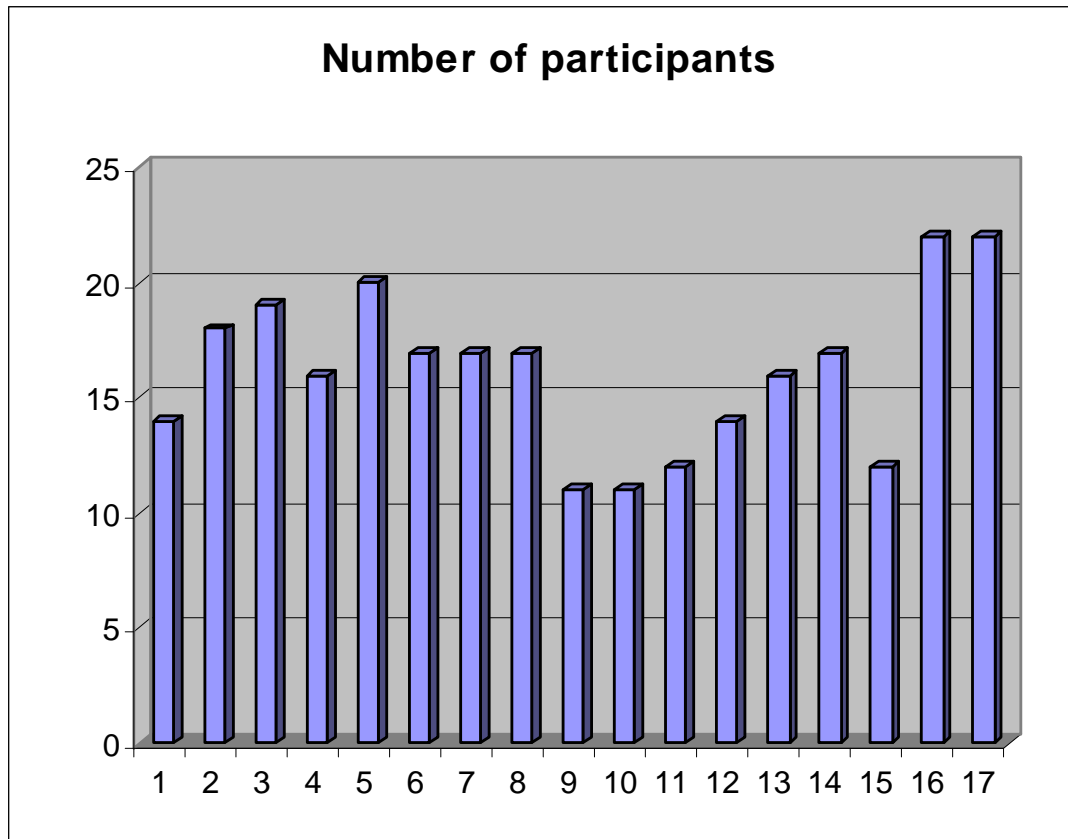Safety-related Changes
to an ATM System**

Select three specialist
topic courses

ATM Public Courses - Allocation by Domain –
1st Semester (Jan - June 2011)

Requested ☐ Allocated ☐

SAF-SW 2007-2012

Total 275 Participants

Number of participants

ANSPs > 70 %
Industry 20%
NSAs < 10%

Participant background
50% Engineers

50% Safety experts

Questions