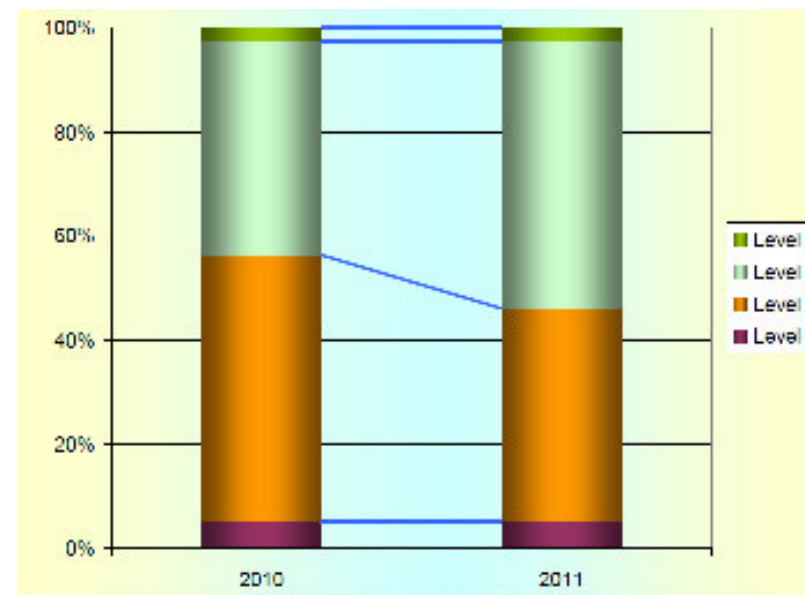
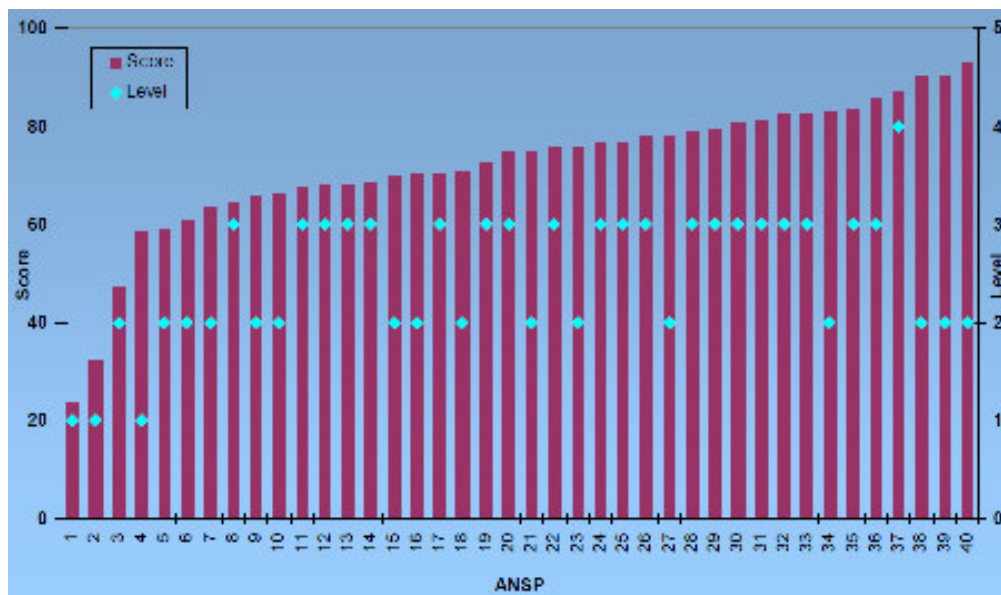
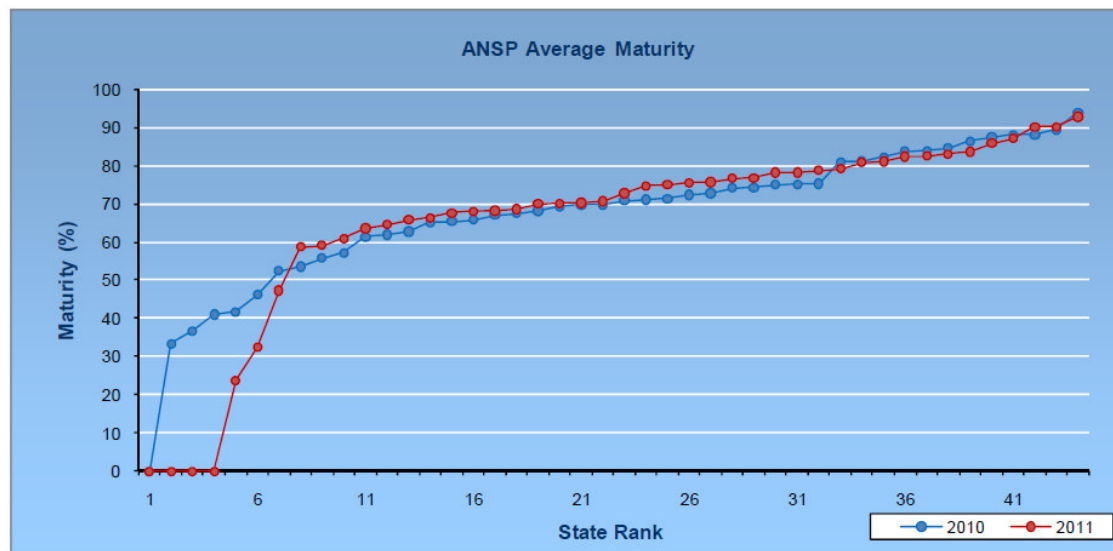


Experience Sharing Enhanced SMS ES² Achievement 2011 Deployment 2012

Dr F. Lieutaud
DNM/COO/NOM/SAF

ES² Project Manager

Maturity Comparison (ANSPs) 2010-2011



Ref.: 2011-212 ICAO EUR Region, ATM Safety Framework - ANSPs Maturity Survey

2011 Maturity Level & Study Areas

The strongest scored area – Timely compliance with international regulations

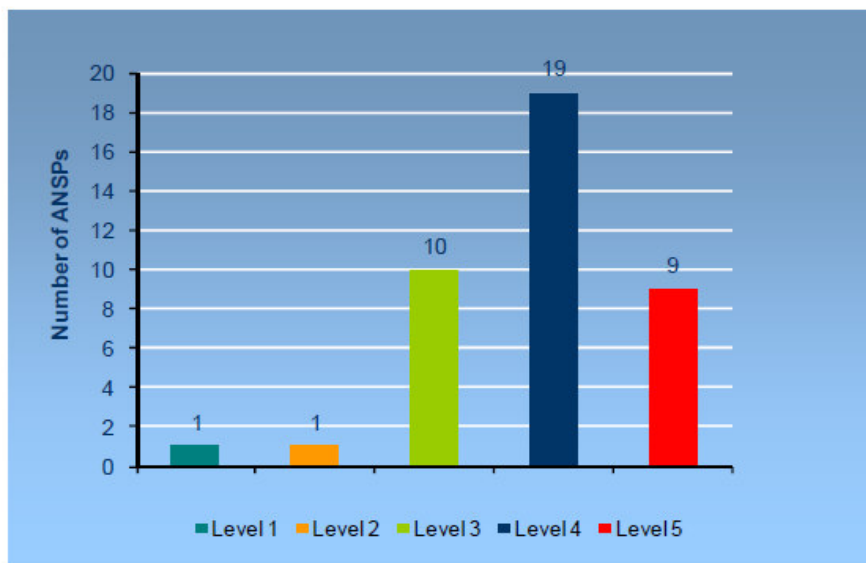


Figure 2-13: SA3 - Number of ANSPs at each Maturity Level

Network Manager

The weakest scored area – Safety Interfaces

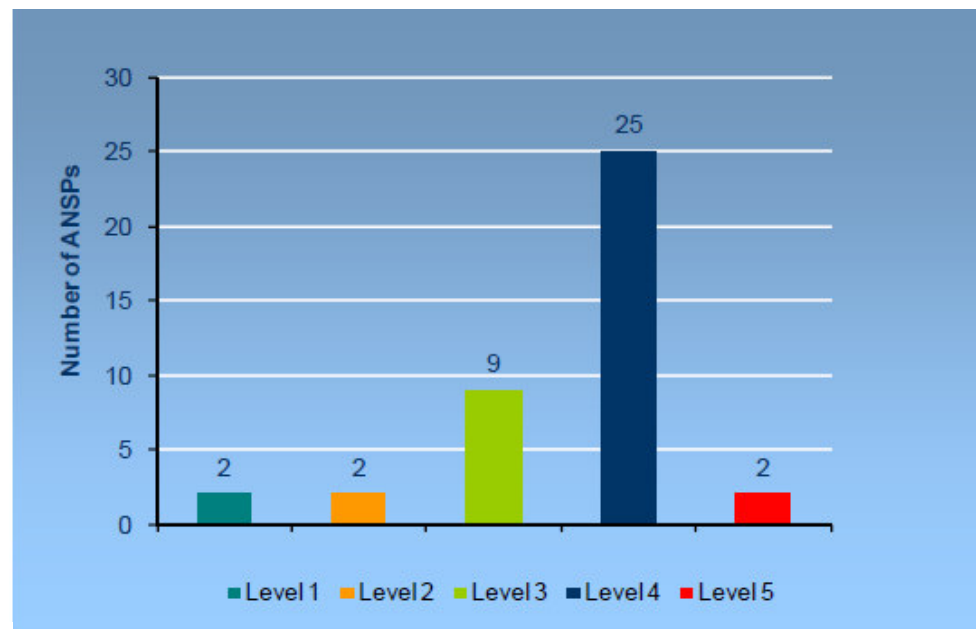


Figure 2-17: SA7 - Number ANSPs at each Maturity Level



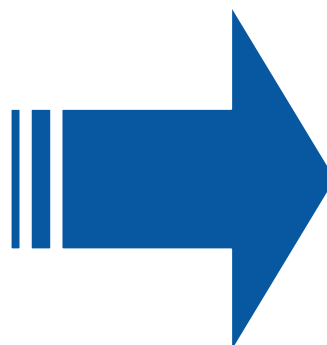
1. SMS Maturity levels have narrowed since 2010 and call for SMS enhancement, in particular for
 - level 4 implementation (adoption of best practices) and subsequently level 5 continuous development (developing and setting best practices),
 - level 3 - overall consistency of SMS implementation with regulations (in the regulated areas)
2. FAB Safety Case Implementing Rule - Assessment and SMS Roadmap
3. Subjects to deal with more complex issues,
 - Always the emblematic safety assessment & SoftWare Assurance Level,
 - Safety Performance Monitoring (KPi's first)
 - Risk Based Approach for performance & business sustainability
4. ES² forum of exchange has started to work on FAB and Performance Scheme Regulation requests
5. **More exchange of best practice needed**

What remained on the plate



Improvement

SMS
Implementation & Development
SMS Awareness



Safety Maturity - Efficiency of SMS



Enhancement (not exhaustive)

Safety Culture and link with FAB

Robust Safety Performance
Monitoring - locally and FAB
(ASMT + link with KPIs)

Practical Safety Assessment - link
with FAB,

Comprehensive Ops Surveys - link
with FAB

Human Factors integration with
Safety

Software Safety Assurance

Governance Principle of
Management Systems

Cost of SMS linked with Safety
Maturity - link with FAB

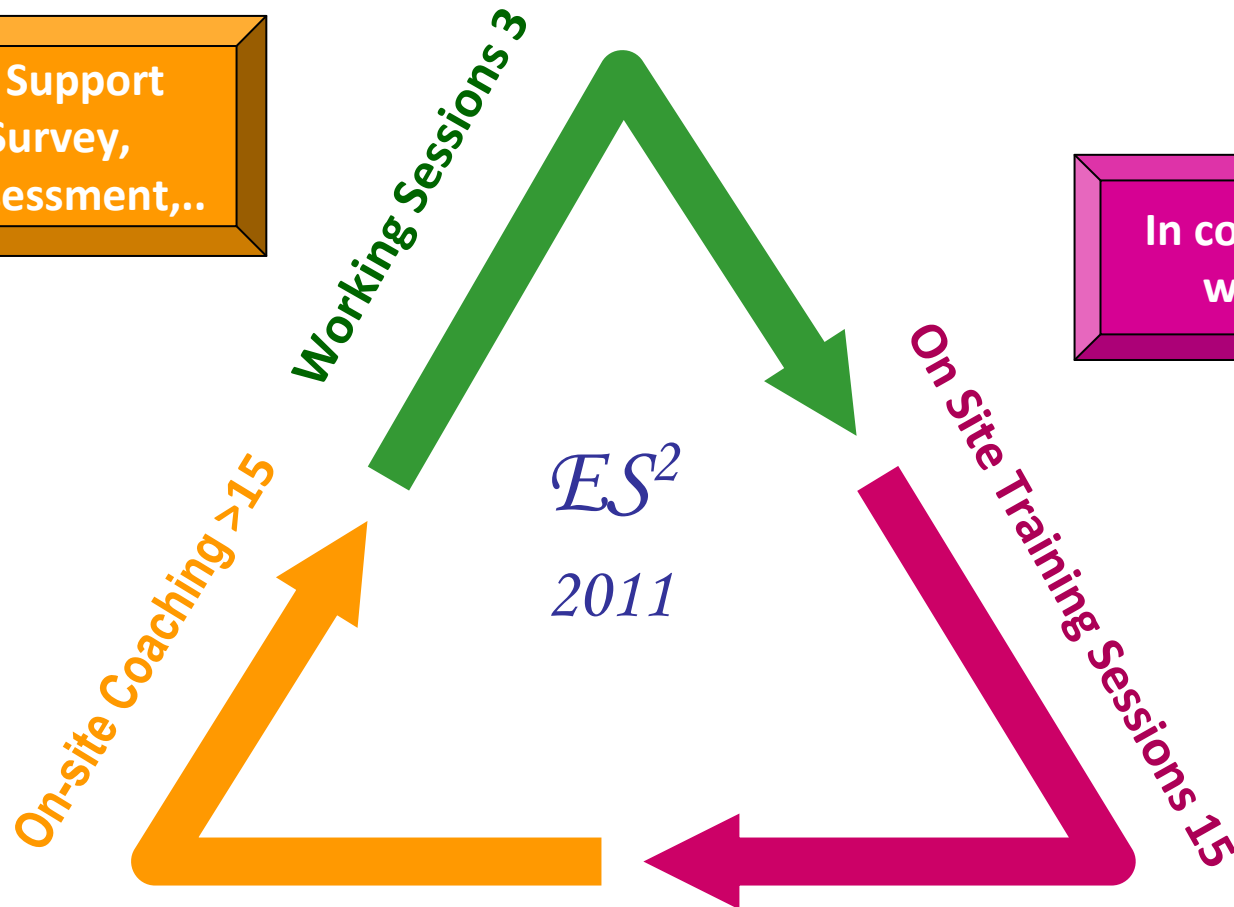
Practical Interfaces with NSA &
other Stakeholders

Achievement



On-site Support
SMS, Survey,
Safety Assessment,...

In collaboration
with IANS



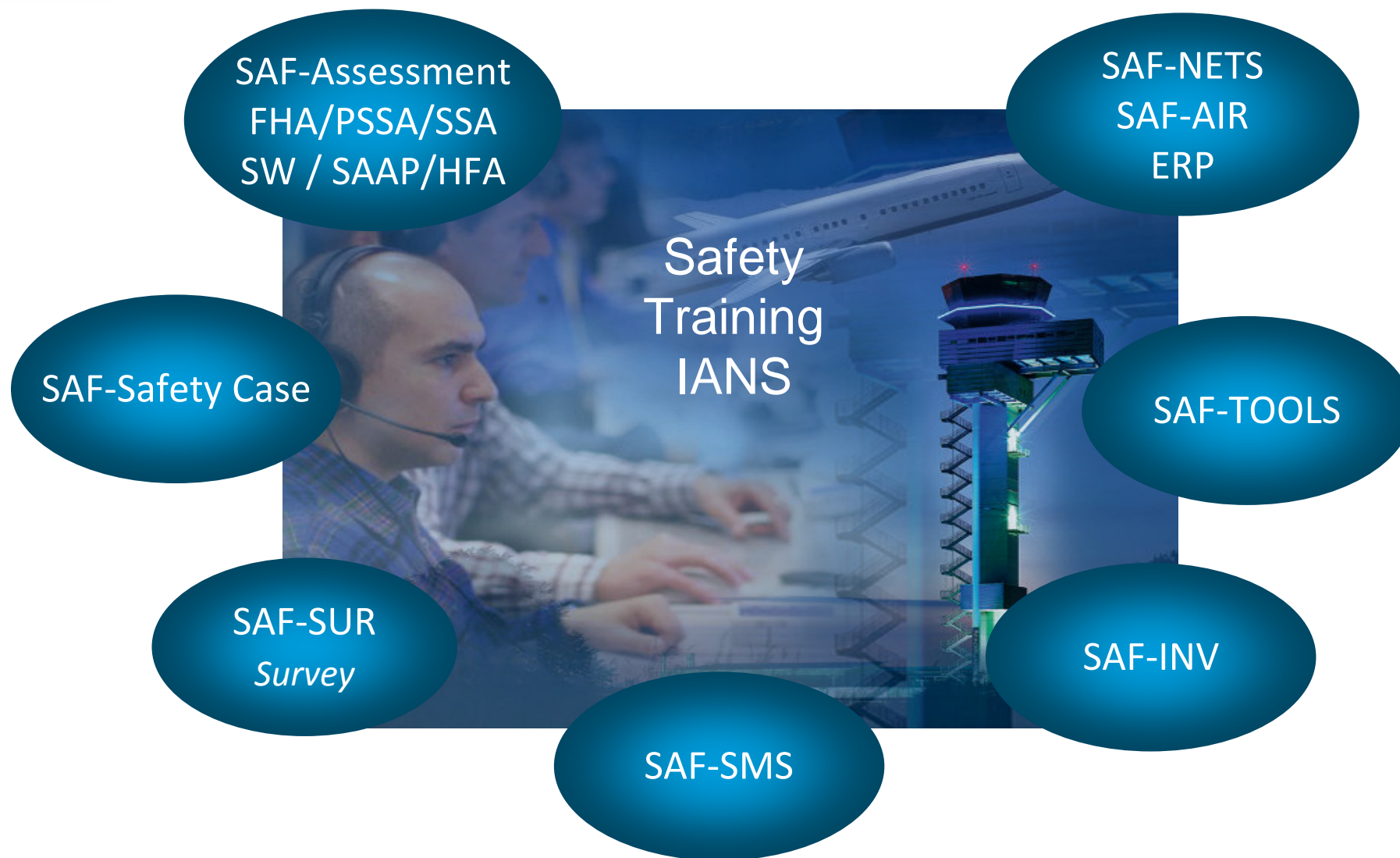
TITLE	CONTENT	TARGET AUDIENCE	DATES	LOCATION
<i>WS 1-11 Governance & Cost of SMS</i>	Safety Key Performance Indicators-KPIs & Analytical Hierarchical Process-AHP Cost of SMS and Safety Targets	Safety managers Line Managers Safety Specialists (OPS & TECH)	15-16 March	Brussels EUROCONTROL HQ
<i>WS 2-11 FAB Safety Case FAB Safety Roadmaps & KPIs</i>	Presentation and discussion of FAB safety Cases and/or Unit Safety Case options by ALL FABs FAB Safety Roadmaps and Safety KPIs	FAB Safety WP Leaders Safety Managers FAB Projects Managers	18-19 May	Sarajevo Bosnia & Herzegovina Hosted by BHDCA
<i>WS 3-11 Safety Software Assessment & Assurance</i>	Assessment of ATM software & Sharing Experience on overall Safety assessment Interface between ANSPs and NSAs <i>ESARR6/ESARR4 (EC482/2008, EC2096/2005 and emerging EASA related rules)</i>	Safety managers Line Managers Safety Specialists (OPS & TECH)	21/22 September	Ljubljana Hosted by Slovenia Control
<i>WS 4-11 CEOs Meeting SMS in Operation</i>	Annual [ES] ² Report & Priorities for 2011 Weight of Safety in decision making	<u>CEOs</u> Safety Directors/Safety Managers Safety Specialists (OPS & TECH)	28-29 February	Limassol Cyprus Hosted by CY DCA

Main Outputs from 2011 Working Session Achievement

- Average of 45 participants per session
(Brussels, Sarajevo and Bled)
- Average number of 24 organisations per session
- Total participation
 - Participants: 135
 - Organisations: 35

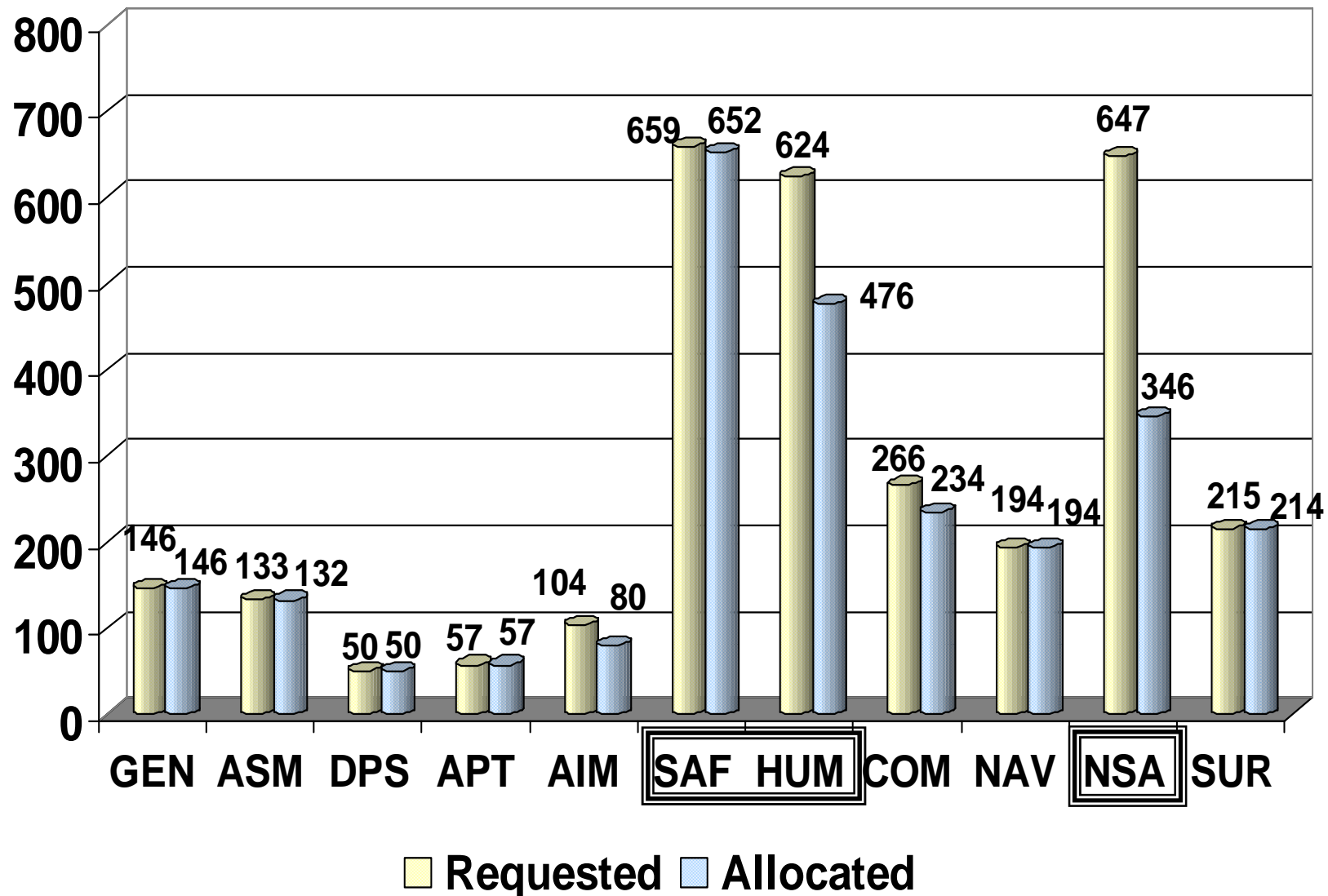


Training and On-site Sessions





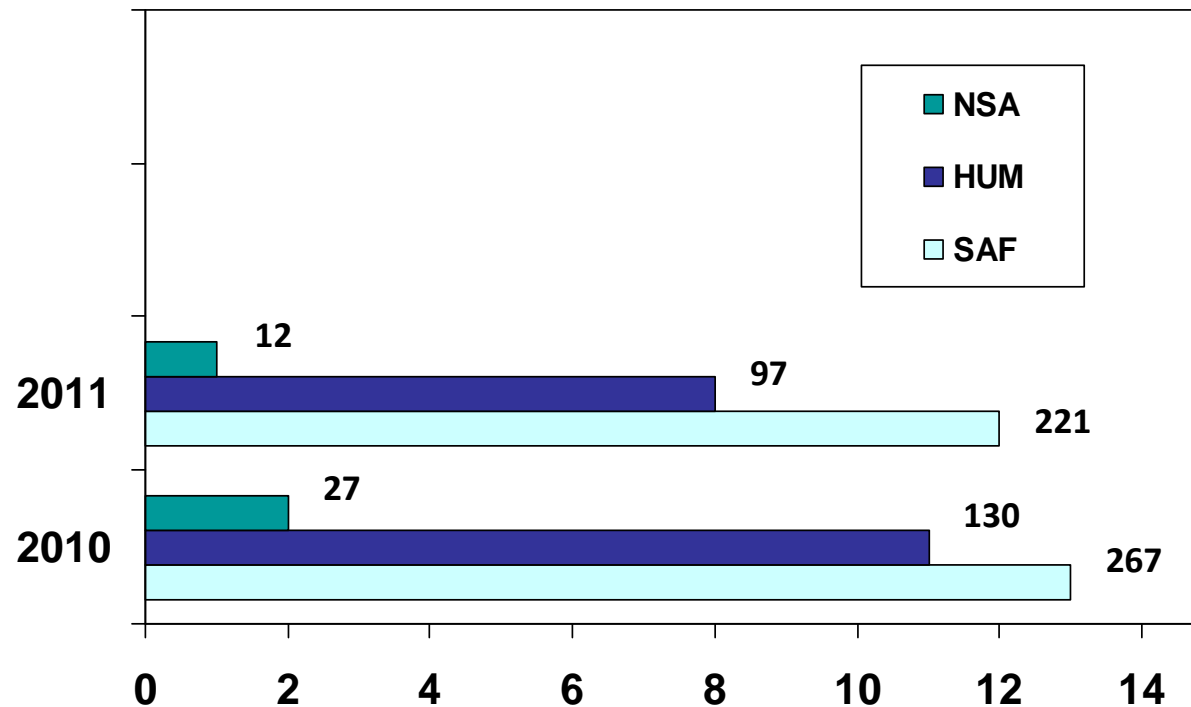
Allocation by Domain & Attendance



On site Courses - 2011



Allocation by Domain & Attendance





- Not only classical SMS implementation subjects
 - FAB dimension
 - Cost of SMS and link with Safety Maturity and Safety Targets
- Degraded modes of operations, cyber- attacks
- Overall opinion that SMS plan is now covered and implementation is effective (results Safety Maturity confirm) with the exception of few key issues e.g. Safety Assessment (e.g. software assurance), Safety Interfaces
- Continuing to link with the topics seen during the workshop – i.e. Safety Culture, Safety Performance, KPIs, Use of Tools (APF, RAT, ASMT)



- Strong request to address FAB issues
 - SMS / Safety Case / KPIs & Safety Performance Monitoring
- Some remaining issues
 - SMS enhancement & experience sharing for Change process
 - Safety assessment/Unit Safety Case & best practices for integration in Department/Unit
 - Assessment of software
- Related subjects not fully completed
 - Just Culture
 - Improvement following safety maturity level: towards Measuring & Monitoring Level 4 in RP1
 - Safety Interfaces best practices
- Budgetary constraints for all
- Should EC/EASA/PRU be involved or not?

SMS from the local perspective to the FAB

THEMES	CONTENT	TARGET AUDIENCE	DATES	LOCATION
WS 1-12 <i>FAB Performance Monitoring</i>	Daily performance to Annual performance RAT, APF, ASMT, Maturity, Training, interface between ANSPs and NAAs	Safety WP Leaders, Projects Managers, Safety Managers, Safety Specialists (OPS & TECH), NAA, EC , EASA, PRU	09-10 May	Zagreb Hosted by CROCONTROL (TBC)
WS 2-12 <i>FAB Just Culture</i>	Just Culture, Regulatory framework, Reporting & Investigation, Exchange of data, Training aspects, interface between ANSPs and NAAs	Safety WP Leaders, Projects Managers, Safety Managers, Legal experts, Layers, NAA, EC and EASA	19-21 September	Istanbul Hosted by DHMI
WS 3-12 <i>FAB Safety Survey</i>	Realisation to the Management of results. Any kind of Safety Survey: Operational survey and day to day operations , Technical survey, Building survey, Culture Survey and Training aspects	Safety WP Leaders, Projects Managers, Safety managers, safety Specialists (OPS & TECH), EASA	20-22 November	Luxembourg IANS/DNM Training - Hosted by EUROCONTROL
WS 4_12 <i>CEOs Meeting Focus on FAB</i>	Annual [ES] ² Report & Priorities for 2013 FAB lessons learnt, Issues & Concerns, Implementation Status, Preparation to the second period and Safety Culture	CEOs, Projects Managers, Safety Directors, Safety Managers, Layers, NAA EC, EASA, PRU	Date TBD Feb/Mar 2013	Bled Hosted by SLOVENIA CONTROL

Requests for 2012 & Initial ideas for 2013



If your organisation need

- Coaching on site:
Safety Assessment, SMS, Survey,...
- Safety awareness session:
Degraded Modes of Operations,...
- Training session

Please, fill in the safety form

Please mention your
ability to host a
Training Session

PLEASE SEND THIS FORM TO

EUROCONTROL – ES2 Project Manager

E-mail: frederic.lieutaud@eurocontrol.int

Or give it back to us during the Workshop



ES2

Experience Sharing to Enhance SMS

With the objective to prepare the activities for the two years coming, we kindly asks you to identify their needs in term of generic working sessions, local training and on-site support.

Based on the demand, the ES2 programme will be established and proposed during the ES2-CEO Meeting to be held on February next year.

FOCAL POINT CONTACT DETAILS

Name	
Organisation	
E-mail address	
Telephone	
Fax number	

Generic Working Sessions

1.
2.
3.

Local Training Sessions

Course Title / Subject	N°. of Participants	Requested Dates	Able to Host
currently none			

On-site Coaching or Project Assistance:

1.
2.
3.

Do not hesitate to add more lines/pages should you require more space

I thank you in advance for your contribution

Dr. Frederic Lieutaud - ES2 Project Manager

Experience Sharing



Enhanced SMS

frederic.lieutaud@eurocontrol.int