

European ATM Safety Conference Cyprus 28-29 February 2012

FAB CE: ATM Performance and Interfaces ANSP/NSA

austro

CONTROL



SAFETY IS IN THE AIR



Content



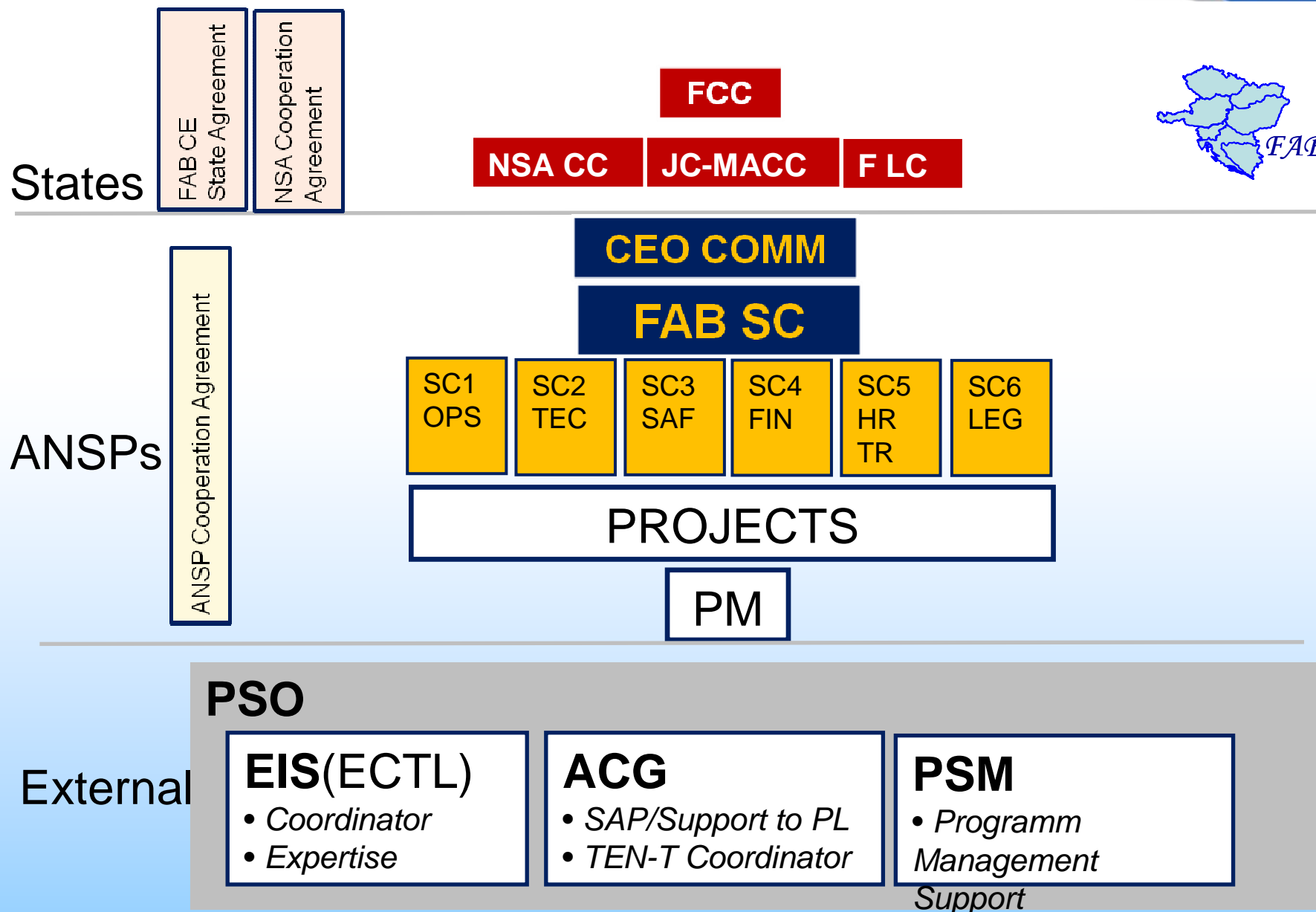
- ▶ Short Introduction into FABCE Structures and Implementation
- ▶ Overview Project 7: Safety
- ▶ NSA Arrangements and Cooperation Agreement



FAB CE PHASES:

2006 – 2008	Feasibility Study
2008 – 2011	Preparatory Phase
2011 – 2012	Implementation Phase
2012 – 2015	Operations (Full Static AOR)

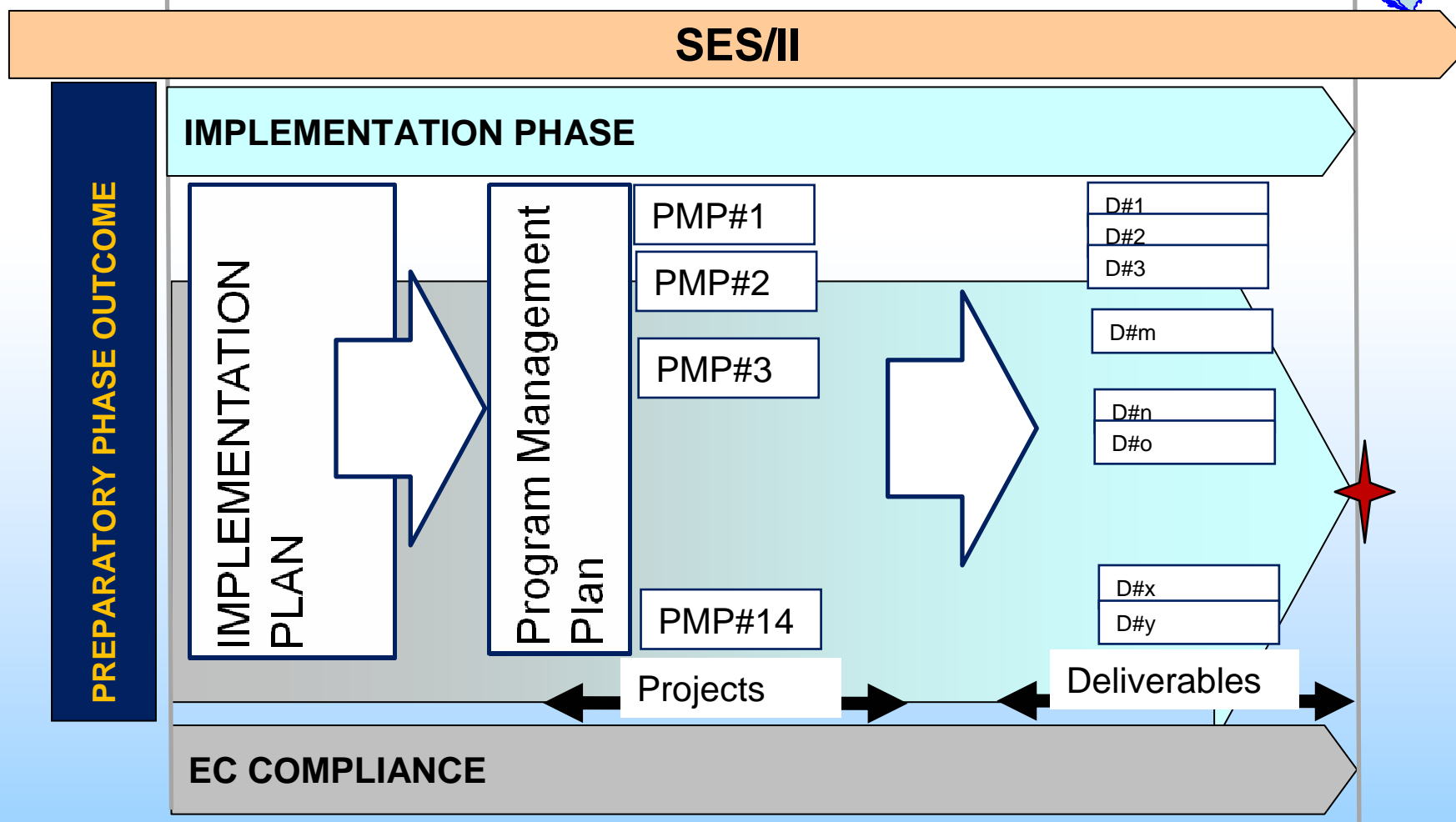
IMPLEMENTATION PHASE – STRUCTURE



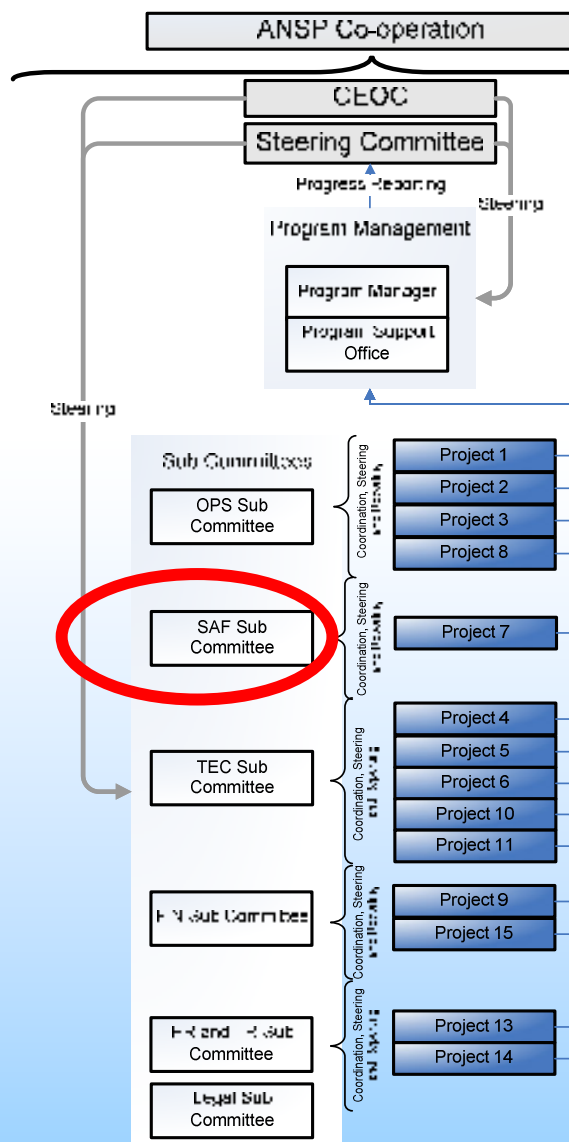
IMPLEMENTATION PHASE - CONTENT

2011

Dec
2012



PROJECT OVERVIEW



Nr.	Project Name
1	Strategic Operational Planning
2	Fluent and flexible transfer of responsibility
3	Functional Integration of ASM/ATFCM processes
4	FMTP Implementation
5	Regional Comm. Infrastructure Development
6	Frequency management
7	Safety
8	Contingency Plan
9	ANSP Performance Review Process
10	Technical Services harmonisation and optimisation
11	Coordination of FAB CE common approach to ACID
13	Deployment of Competence Scheme
14	Training Facilities
15	ANSP Charging

Austro Control's View of ATM Performance



FAB CE as:

- ▶ 15 Projects with direct or indirect influence on ATM performance
- ▶ 6 Subcommittees to coordinate and support projects

The FAB CE SMS Strategic Objectives



High level objectives:

- ▶ Develop a FABCE Safety Policy and continuously maintain it (done)
- ▶ Outline the SMS structure for FAB CE (done, the roadmap)
- ▶ Establish the Safety Subcommittee (done)
- ▶ Implement Safety KPIs and set quantitative levels for FAB CE (ongoing)

The FAB CE SMS Strategic Objectives

Objectives and lines of action according Study Areas of the EoSM:



- ▶ organisational and individual safety responsibility
- ▶ competency
- ▶ risk assessment and mitigation processes
- ▶ external services
- ▶ safety reporting and investigation
- ▶ safety monitoring
- ▶ safety surveys and audits
- ▶ lesson dissemination

Remaining Study Areas subject to harmonisation at later stage:

- ▶ Development of a positive and proactive safety culture
- ▶ Timely Compliance with International Obligations
- ▶ Safety standards and procedures

The FAB CE SMS Roadmap



Basic Principles:

- ▶ FABCE consists of 7 independent ANSPs with national and cultural differences
- ▶ Therefore all 7 ANSPs will keep their own SMS (approved and overseen by their own NSA)
- ▶ However the 7 SMSs will be harmonised in a reasonable way and to practical extend ...
- ▶ ... with the aim that users will have the same level (maturity) of safety management (best in class)
- ▶ The FAB CE SMS Roadmap is fully aligned to the EoSM Structure (EASA AMC for EU REG 691)
- ▶ → 12 Strategic FABCE SMS Objectives each with a set of Line of Actions
- ▶ Harmonised SMS Tasks carried out commonly are documented in „FABCE SMS Arrangements“

PROJECT 7 – MAIN OBJECTIVES

Safety



General:

- establish a common safety policy;
- accident/incident investigation arrangements; safety data collection, analysis and exchange;
- clear arrangements in respect of responsibilities, interfaces in respect of
 - setting of safety targets,
 - safety oversight,
 - accompanying enforcement procedures;
- harmonisation of SMS activities;
- performance of all necessary safety assessments (e.g. before introducing operational changes)
- appropriate safety assessment documentation („safety cases“)

FAB CE PROJECT 7 - DELIVERABLES



E

Safety Assessment Methodology Paper	30-05-2011
Guidance materials for the safety officers (within each project)	01-07-2011
SAA: Safety Assessment Arrangements	15-10-2011
SMS Roadmap - Edition May 2012	24-05-2012
The Programme Safety Assessment Report (Safety Argument)	23-05-2012
Safety case as per FAB IR Annex (to be forwarded to CEOC and NSACC by 24 May 2012)	23-05-2012
Report on the progress of implementation of the activities as planned in the Safety Management Roadmap for the period ending by 30-June 2012	31-10-2012
SMS Roadmap update - draft version of newer edition; The survey report (regarding "common survey") , by 31-Dec-2012	17-12-2012

NSA Arrangements and Cooperation Agreement



3 main areas of cooperation arrangements:

- ▶ Harmonization of national rules and Coordination
- ▶ SUPERVISION AND SAFETY OVERSIGHT
- ▶ Safety Related Information

NSA Arrangements and Cooperation Agreement cont'd

Harmonization of national rules and Coordination

- ▶ Common handbook of the FAB CE NSAs supervisory rules and procedures in development
- ▶ harmonization of rules on ANS, ATFM, ASM, reporting, training and licensing of the ATCOs and competent assessment of personnel involved in safety related tasks in ATM, certification of the training organizations and other rules related to their supervisory and safety oversight activities
- ▶ inform the NSA CC of any planned changes in their national regimes
- ▶ uniform implementation of decisions and measures
- ▶ adopt a common format of safety regulatory audit reports and the classification of findings to be used for auditing of ANSPs
- ▶ NSAs shall closely cooperate and coordinate their activities pertaining to their rights and obligations with respect to the performance scheme



NSA Arrangements and Cooperation Agreement

SUPERVISION AND SAFETY OVERSIGHT IN FAB CE



- ▶ Exchange and coordination of applicable rules and procedures between certifying and territorial NSA
- ▶ Right of the certifying NSA to issue unit endorsements for ATCOs on cross border sectors under following conditions:
 - Notification of all requirements and procedures to the territorial NSA
 - Negotiation and agreement on applicable requirements, procedures and documents (such as unit training plans)
 - Inform territorial NSA on issuing unit endorsements
 - Right of the territorial NSA to amend notified requirements, when duly justified

NSA Arrangements and Cooperation Agreement cont'd

SUPERVISION AND SAFETY OVERSIGHT IN FAB CE cont'



► Inspections and safety regulatory audits

- Each NSA notifies its actual inspection programme to the NSA CC
- NSA CC adopts a common inspection programme considering also inspections/audits by ICAO, EASA, Eurocontrol
- Notification of any inspection/audit outside notified programmes
- Right to participate in inspections/audits of other NSAs
- Right of the territorial NSA to participate in any supervisory activity of the certifying NSA
- Right of the territorial NSA to request extra inspections/audits if duly justified
- Provision of draft reports for review by the territorial NSA and provision of final reports
- Coordination and exchange of findings and corrective action monitoring

NSA Arrangements and Cooperation Agreement cont'd



SUPERVISION AND SAFETY OVERSIGHT IN FAB CE (cont'd)

- ▶ Safety oversight of changes to functional systems
 - Notification of changes to the NSA CC
 - Notification of safety arguments on changes to the territorial NSA (for severity class 1 and 2 changes)
 - Acceptance of changes only after approval of the safety arguments by the territorial NSA

- ▶ Notification of any safety directive on unsafe conditions to the NSA CC

NSA Arrangements and Cooperation Agreement cont'd

Safety Related Information

- ▶ Exchange of changes on legal status of FAB CE ANSPs and their certificates
- ▶ Exchange of safety performance information incl. ESARR2 AST
- ▶ NSA CC adopt annually a “FAB CE Annual Safety Oversight Report” to present relevant information on the status of the FAB CE safety performance
- ▶ Data repository for remote access of all NSAs to be established
- ▶ List of technical experts to conduct supervisory tasks



MISCELLANEOUS

- ▶ Commonly agreed language is English
- ▶ Arrangements about provision of documents in English, interpreters in case of inspections/audits
- ▶ Consultation of 3rd parties, dissemination of information (confidentiality rules)