



Final Project Report

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List all the SESAR members involved in the task, either as main contributor or as partner contributor:

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Abstract

Abstract is written for the purpose of succinctly summarizing the main points of the document as objectively as possible. It must be short - only about a paragraph- and has to describe the purpose, the scope, and methods used

This document is the Final Report of project P7.6.3 DCB/ASM Scenarios, addressing the DCB (Demand Capacity Balancing) process in strategic and pre-tactical phases and Network Performance Management. During the 2011 gate, it has been decided to transfer the project tasks to project P7.6.5 (tasks related to DCB) and P7.6.1 (tasks related to Network Performance Management). Required effort transfer has been implemented during the BAFO1/2 reallocation exercise that took place during the first quarter of 2012. During the execution of the project, it has been recognized that a stronger synergy had to be established with project P7.6.1 addressing collaborative Network Operations Plan (NOP) as the main enabler supporting performance-driven operations and project P7.6.5 addressing the DCB process in the execution phase.

Authoring & Approval

Prepared By - <i>Authors of the document.</i>		
Name & Company	Position & Title	Date
		28/02/2013

Reviewed By - <i>Reviewers internal to the project.</i>		
Name & Company	Position & Title	Date

Reviewed By - <i>Other SESAR projects, Airspace Users, staff association, military, Industrial Support, other organisations.</i>		
Name & Company	Position & Title	Date

Approved for submission to the SJU By - <i>Representatives of the company involved in the project.</i>		
Name & Company	Position & Title	Date

Rejected By - <i>Representatives of the company involved in the project.</i>		
Name & Company	Position & Title	Date

Rational for rejection
None.

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This deliverable consists of SJU foreground.

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Publishable summary

This document is the Final Report of project P7.6.3 DCB/ASM Scenarios, addressing the DCB (Demand Capacity Balancing) process in strategic and pre-tactical phases and Network Performance Management. During the 2011 gate, it has been decided to transfer the project tasks to project P7.6.5 (tasks related to DCB) and P7.6.1 (tasks related to Network Performance Management). Required effort transfer has been implemented during the BAFO1/2 reallocation exercise that took place during the first quarter of 2012. During the execution of the project, it has been recognized that a stronger synergy had to be established with project P7.6.1 addressing collaborative Network Operations Plan (NOP) as the main enabler supporting performance-driven operations and project P7.6.5 addressing the DCB process in the execution phase.

On 10/02/2012 the project formally submitted the step 1 validation plan describing a V2 validation exercise to validate a statistical methodology to assess the accuracy of pre-tactical traffic forecasts produced by Demand Data Repository (DDR) phase 2. The validation exercise has been executed and the associated validation report has been produced in the frame of project P7.6.5 during 2012.

In addition to the step 1 validation plan, the project produced contributions to the P7.6.5 step 1 OSED and P7.6.1 Step 1 Network Performance Management and Monitoring Report deliverables.

1 Introduction

1.1 Purpose of the document

The purpose of this document is, as stated in the Multilateral Framework **Error! Reference source not found.**, to

- Summarises the results and conclusions relating to the concerned Members' participation in the Project (publishable summary);
- Describe the contribution of the Member to the development of new Standards and Norms Proposals in the Project;
- Describe the contributions made, through the Project, to the roadmap for deployment activities;
- Explain the progress made, through the Project, towards the execution of the ATM Master Plan;
- Provide an overview of the final achievement of the Deliverables and an explanation of the discrepancies between the planned and the actual work carried out in the Project;
- Provide for each Member involved in the Project, a Project Costs Breakdown Form of the total Eligible Costs incurred by the Member during the Project, including interest accrued on the Pre-Financing payments and any other Revenue related to the Project.
- Analyse the lessons learnt at project level.

1.2 Intended readership

This intended audience of this document is:

- The SJU WP7 Programme Manager;
- The SJU WP7 WP Leader
- The SJU P7.6.3 Project Contributors.

1.3 Inputs from other projects

This section identifies previous work on the subject covered by the document. A special emphasis on what is reused from another project or from past-project will be appreciated.

1.4 Glossary of terms

Term	Definition
ASM	Airspace Management
ATM	Air Traffic Management
CONOPS	Concept of Operations
DOD	Detailed Operational Description

Term	Definition
DCB	Demand Capacity Balancing
E-ATMS	European Air Traffic Management System
INTEROP	Interoperability Requirements
OCD	Operational Concept Description
OFA	Operational Focus Areas
OSED	Operational Service and Environment Definition
SESAR	Single European Sky ATM Research Programme
SESAR Programme	The programme which defines the Research and Development activities and Projects for the SJU.
SJU	SESAR Joint Undertaking (Agency of the European Commission)
SJU Work Programme	The programme which addresses all activities of the SESAR Joint Undertaking Agency.
SPR	Safety and Performance Requirements
TAD	Technical Architecture Description
TS	Technical Specification

2 Project contributions

2.1 Progress made toward the ATM Master Plan

This section is not applicable for the project. Project tasks have been transferred to projects P7.6.5 and P7.6.1 before the completion of any validation activity.

2.2 Contributions to the roadmap for deployment activities

This section is not applicable for the project. Project tasks have been transferred to projects P7.6.5 and P7.6.1 before the completion of any validation activity.

2.3 Contribution to standardization

This section is not applicable for the project. Project tasks have been transferred to projects P7.6.5 and P7.6.1 before the completion of any validation activity.

3 Project lessons learnt

What worked well?
Composition of project team giving a balanced view on Regional, sub-regional and local DCB aspects.
What should be improved?
Synergy with P7.6.1 addressing Collaborative NOP as main enabler supporting performance-driven operations.
Synergy with P7.6.5 addressing DCB in the execution phase to develop a seamless DCB process from strategic to post ops analysis phase.
Optimal use of effort and expertise available in P7.6.3 and P7.6.5 sharing the same contributing members

Table 1 - Project lessons learnt

4 Project achievements

4.1.1 Project deliverables

This section provides an overview of the Deliverables and explanations of the discrepancies between the planned and actual work carried out in the Project

Del. code	Del.Name	Description	Assessment Decision	Explanations
<i>As it is in the PIR</i>	<i>As it is in the latest baseline report (report no 006)</i>	<i>As it is in the latest baseline report (report no 006)</i>	<i>The decision may be one of the following ones: No Reservation, Reservation Requiring Clarification, Major Reservation t, or Critically Deficient.</i>	<i>Explain variances compared to the plan: does the final deliverable fits with the description? Explain why. Were there reservations at the end of the SJU assessment? If yes explain them and how you dealt with.</i>
D05	STEP1 Validation Plan	Description of the validation exercise about a new statistical methodology to assess the accuracy of pre-tactical traffic forecasts produced by Demand Data Repository (DDR) phase 2.	No Reservation	

Table 2 - List of Project Deliverables

5 Total Eligible Costs

This section is based on the Project Costs Breakdown Forms of the eligible costs incurred by project Members during the project and these will be sent to the SJU separately by each member. The Project Manager should not complete this section.

6 References

- [1] Multi-Lateral Framework Agreement, SESAR JU, 2nd June 2009, SJU/LC/0028-CTR
- [2] P7.6.2 DCB/ASM Scenarios, Project Initiation Report, Edition 00.01.02, 16/09/2010

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