



SESAR Solution Regulatory Overview

AMAN + Point Merge

Document information

Document Name	SESAR Solution Regulatory Overview - AMAN + Point Merge
Edition	01.00.00

Abstract

This document contains an overview of the SESAR Solutions documented recommendations from regulatory, standardisation, oversight and certification perspectives resulting from the cooperation with EASA and National Authorities.

Authoring & Approval

Prepared By - <i>Authors of the document.</i>		
Name & Company	Position & Title	Date
[REDACTED]	[REDACTED]	20/09/2013
[REDACTED]	[REDACTED]	20/09/2013

Reviewed By - <i>Reviewers internal to the project.</i>		
Name & Company	Position & Title	Date
[REDACTED]	[REDACTED]	22/10/2013

Approved for Publication		
Name & Company	Position & Title	Date
[REDACTED]	[REDACTED]	22/10/2013
		n/a

Document History

Edition	Date	Status	Author	Justification
00.00.01	20/09/2013	Draft	[REDACTED]	Incorporation of initial results
01.00.00	22/10/2013	Final	[REDACTED]	Finalised document

Intellectual Property Rights (foreground)

The foreground of this deliverable is owned by the SJU.

Table of Contents

1	INTRODUCTION	4
2	GENERAL RECOMMENDATIONS	5
3	SPECIFIC RECOMMENDATIONS	6
3.1	ON THE REGULATORY FRAMEWORK	6
3.2	ON THE STANDARDISATION FRAMEWORK.....	6
3.3	ON THE REGULATORY OVERSIGHT AND CERTIFICATION ACTIVITIES	6

1 Introduction

The purpose of this document is to provide an overview of the SESAR Solutions documented recommendations from regulatory, standardisation, oversight and certification perspectives resulting from the cooperation with EASA and National.

The document presents the recommendations issued by the National Authorities and EASA, for an acceptable deployment of the concepts contained in the SESAR Solution. These recommendations must be taken into consideration by the entities in charge of deployment of the correspondent SESAR Solution.

2 General recommendations

In general terms, it must be underlined that:

- 1) When deploying a SESAR Solution, the compliance with all applicable regulatory requirements must be ensured by the different concerned entities;
- 2) In particular, it must be ensured that the appropriate safety argument for the concerned change to the ATM functional system is performed in accordance with EC regulation 1035/2011 considering local specific risks and mitigation to those risks.
- 3) The present SESAR Solution does not constitute in itself an acceptable Means of Compliance with the previously mentioned regulatory requirements. Means of Compliance are subject to their acceptance by the Authorities involved in each concrete local implementation.
- 4) A verification of the existing standardisation and regulatory frameworks has to be done at the date of local deployment to identify possible major changes to the one in use at the moment of publication of this SESAR Solution.

3 Specific recommendations

3.1 On the Regulatory Framework

Due consideration in the local environment should be given to ensuring consistency with the applicable regulatory framework, in particular the PBN Implementing Rule.

3.2 On the Standardisation Framework

There is no specific topic on the standardisation framework field to be specially considered in deployment, beyond the currently existing applicable standardisation.

3.3 On the Regulatory Oversight and Certification Activities

When proceeding with the local implementation of this solution, the following topics must be taken into consideration:

- Due consideration should be given, in the local deployment of the solution, to:
 - The definition of the AMAN horizon.
 - The changes to airspace design due to the expansion outwards from the TMA.
 - The changes to airspace design existing procedures due to the expansion outwards from the TMA.
 - The elaboration of procedures on AMAN.
- Due consideration should be given, in the local deployment of the solution, to the adaptation of concrete ATC instructions. In that sense, advancing some ATC instructions can provide an additional benefit in the local environment.
- When proceeding with the local deployment of the solutions, in case different calculations methods are involved (e.g. transnational applications), coherence should be assured between them.

- When proceeding with the local deployment of the solutions, the local safety argument should take into consideration the effects of:
 - Changes in the speed made by the flight crew
 - Potential increases in controller workload.

- When proceeding with the local deployment of the solutions, the local cost benefit analysis should take into consideration the limiting effects of:
 - The capacity of the runway
 - The lowest level of predictability on the airport operations side

- END OF DOCUMENT -