



SESAR Solution Regulatory Overview

En Route Air Traffic Organiser

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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]	22/03/2013
[REDACTED]	[REDACTED]	23/03/2013

Reviewed By - <i>Reviewers internal to the project.</i>		
Name & Company	Position & Title	Date
[REDACTED]	[REDACTED]	24/04/2013

Approved for Publication		
Name & Company	Position & Title	Date
[REDACTED]	[REDACTED]	

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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 Authorities.

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

- There is no specific topic on the regulatory framework field to be specially considered in deployment, beyond the currently existing applicable regulations. The system provides information based on available sources to assist controllers, and does not require additional regulation.

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 standards. The system provides information based on available sources to assist controllers, and does not require additional standards.

3.3 On the Regulatory Oversight and Certification Activities

- Following Regulation EC 1305/2011, changes in the ATM functional system derived from the deployment of this solution are subject to the elaboration of a safety argument considering local specific risks and mitigation measures to those risks. In particular, those local safety arguments should address:
 - The filtering function,
 - The extrapolation function,
 - Task scheduling.

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