



SESAR Solution Regulatory Overview

AOC Data Increasing Trajectory Prediction Accuracy data

Document information

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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]	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
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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

The regulatory dimension of the commercially sensitive data protection can be considered for further analysis along the deployment.

3.2 On the Standardisation Framework

To optimise the benefits of the solution, it could be considered the standardization of information reported for the provision of AOC, in order to ensure both AOC/ATC interoperability and AOC data reliability.

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 has to be given when developing the local safety argument to:
 - The availability of specific procedures in case of ETA min/max not provided.
 - Other local failure conditions
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- Due consideration has to be given to the specific procedures for:
 - The standby conditions
 - The scenario of unavailability to accept CTA
 - Other local non-nominal situations
 - The specificities of En-route conditions
- The local economic impact of the applicable safety requirements can affect local business cases in significantly different ways.

- In each local scenario, due consideration should be given to local specificities of the technical interfaces with:
 - The way content of trajectory management information is built
 - The roles of aircraft crew and equipment, and level of automation
 - The spatial components
 - The ASPA operations where applicable
 - Military operations.

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