

**NOTICE
TO
AIR
NAVIGATION
SERVICE
PROVIDERS**

IRELAND

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SINGLE EUROPEAN SKY (SES) – THE INTEROPERABILITY REGULATION

1. Purpose

- 1.1 This notice provides information to Air Navigation Service Providers (ANSP) on the implementation of **Regulation (EC) No 552/2004 of the European Parliament and of the Council of 10 March 2004 on the interoperability of the European Air Traffic Management Network (EATMN)**.
- 1.2 It is intended that this notice will be amended as necessary in line with relevant emerging developments.
- 1.3 This notice will remain in force until cancelled by a further notice.

2. Scope

- 2.1 This notice concerns the introduction of new EATMN systems and significant upgrades to EATMN systems, and is addressed to all organisations engaged in providing an air navigation service.

3. Background

- 3.1 The Single European Sky (SES) Regulations became effective on 20 April 2004 and introduced four new regulations, the primary objectives of which are to enhance safety standards and overall efficiency for general air traffic in Europe.
- 3.2 The regulations adopt a three-layered approach:
 - Essential requirements
 - Implementing rules (IRs)
 - Community specifications.
- 3.3 The interoperability regulation affects the activities of ANSPs in relation to systems, constituents and associated procedures of the EATMN.

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- 3.4 The objective of the interoperability regulation is to achieve interoperability between the different systems, constituents and associated procedures of the EATMN and to ensure a co-ordinated introduction of new agreed and validated concepts of operations or technology.

4. Essential Requirements, Implementing Rules and Community Specifications

- 4.1 Essential requirements are generic in nature and are applicable to all of the systems identified in the interoperability regulation.
- 4.2 The implementing rules are drawn up where necessary to complement or further refine the essential requirements. A number of implementing rules have been published in the Official Journal of the European Union. On publication, compliance with the provisions of the implementing rules is mandatory throughout the European Union.
- 4.3 The list of published implementing rules is available from the Air Transport portal of the European Union:
http://ec.europa.eu/transport/air/single_european_sky/implementing_rules_en.htm
- 4.4 In pursuit of its objectives, the regulation allows for the establishment of Community Specifications by certain European standardisation bodies in conjunction with the European Organisation for Civil Aviation Equipment (EUROCAE) and Eurocontrol. Compliance with implementing rules shall be presumed for those systems that meet the relevant Community Specifications.

5. Relevance to ANSPs

- 5.1 Annex 1 of the Interoperability Regulation lists the EATMN systems covered by the regulation
- 5.2 The essential requirements are set out in Annex 2 of the Interoperability Regulation and these are mandatory for the introduction of all new systems and significant upgrades to current systems put into service after October 20th 2005 and for all ATM systems in use after April 20th 2011.
- 5.3 Where EATMN systems have been ordered, or binding contracts to that effect signed before April 20th 2004, so that compliance with the essential requirements and/or implementing rules for interoperability cannot be guaranteed, the ANSP must notify the National Supervisory Authority (NSA) immediately. In this respect ANSD currently carries out the NSA function for Ireland.
- 5.4 ANSPs should note that, before putting any system listed in Annex 1 of the Interoperability Regulation into operational service, a Technical File and a Declaration of Verification must be submitted to ANSD in respect of such systems.
- 5.5 ANSPs should be aware of the need for suppliers of EATMN systems to provide manufacturers' declarations for constituents identified in the relevant implementing rule.
- 5.6 ANSPs should prepare and maintain Declarations of Verification and Technical Files in line with the transitional dates noted in the regulation and/or implementing rule.

6. SES II Amendment to the Regulation

- 6.1 In order to ensure the progressive implementation of the ATM Master Plan and to avoid unnecessary administrative burden and overlapping conformity and verification procedures for ATM systems, the Interoperability regulation was amended by Regulation (EC) No 1070/2009 of 21 October 2009.
- 6.2 A number of changes have been introduced, some of which concern:
- New article 6a - "Alternative verification of compliance": Certificates issued in accordance with Regulation (EC) No 216/2008 establishing the EASA, as amended by Regulation 1108/2009 extending EASA remit to airports and ATM, should be accepted as alternative conformity or verification means, where they apply to constituents or systems.
 - Annex II: Requirements are introduced to a number of paragraphs in order to ensure that surveillance, communication and flight data processing systems are able to accommodate the progressive implementation of advanced, agreed and validated concepts of operation for all phases of flight, in particular as envisaged in the ATM Master Plan.

7. Summary

- 7.1 Before putting into service any new system or a system which has undergone a significant upgrade, ANSPs must submit a Declaration of Verification and Technical File to ANSD.

8. Further Information

- 8.1 Eurocontrol has published updated guidance on the conformity assessment process for ANSPs. This is available together with updated sample declaration forms from the following website: <http://www.eurocontrol.int/conformity>
- 8.2 Requests for further information on the contents of this notice should be addressed to:

ansdinfo@iaa.ie

**Chief Executive.
Irish Aviation Authority.**

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