



**EUROPEAN COMMISSION**  
DIRECTORATE-GENERAL MOBILITY AND TRANSPORT

Directorate E – Aviation and International Transport Affairs  
**E2 – Single European Sky**

Brussels, 8 March 2013  
**M/524 EN**

**STANDARDISATION MANDATE TO EUROPEAN STANDARDISATION ORGANISATIONS  
(ESO) ON AIR TRAFFIC MANAGEMENT (ATM) INTEROPERABILITY FOR THE ATM  
MASTER PLAN**

**1. MOTIVATION**

Regulation (EC) No 549/2004 of the European Parliament and of the Council ("the framework Regulation") as amended by Regulation (EC) No 1070/2009 which entered into force 4 December 2009, in conjunction with:

- Regulation (EC) No 550/2004 of the European Parliament and of the Council on the provision of air navigation services in the SES ("the service provision Regulation");
- Regulation (EC) No 551/2004 of the European Parliament and of the Council on the organisation and use of the airspace in the SES ("the airspace Regulation");
- Regulation (EC) No 552/2004 of the European Parliament and of the Council on the interoperability of the European Air Traffic network ("the interoperability Regulation");

establishes a harmonised regulatory framework for the creation of the single European sky (SES).

This mandate is related to the achievement of the objectives of the interoperability Regulation (EC) No 552/2004 through the adoption of Community Specifications (CS) for the interoperability of the European Air Traffic Management network (EATMN).

Article 4(1)(a) of the interoperability Regulation lays down that Community Specifications may be European standards for systems or constituents, together with the relevant procedures, drawn up by the European standardisation bodies in cooperation with EUROCAE<sup>1</sup>, on a mandate from the Commission in accordance with Article 6(4) of Directive 98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations and pursuant to the general guidelines on cooperation between the Commission and the standardisation organisations signed on 13 November 1984.

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<sup>1</sup> The European Organisation for Civil Aviation Equipment

Articles 4(2) and 4(3) of the interoperability Regulation (EC) No 552/2004 lay down that compliance with the essential requirements and/or implementing rules for interoperability shall be presumed for systems, together with the associated procedures, or constituents that meet the relevant Community specifications and whose reference numbers have been published in the Official Journal of the European Union by the Commission.

These provisions of the interoperability Regulation may be used for the implementation of the European Air Traffic Management Master Plan (the ATM Master Plan) referred to in Article 1(2) of Council Regulation (EC) N° 219/2007 of 27 February 2007 on the establishment of a Joint Undertaking to develop the new generation European air traffic management system (SESAR) as amended by Regulation (EC) N° 1361/2008.

## **2. DESCRIPTION OF THE MANDATED WORK**

The ESOs are requested to produce European standards, referred to in the Annex, that satisfy the essential requirements of the interoperability Regulation (EC) No 552/2004.

Such list of European standards is consistent with the Standardisation Road Map for the implementation of the ATM Master Plan and addresses the standardisation activities based on EUROCAE documents.

Since the ATM Master Plan will be periodically updated, the ESOs shall amend accordingly the list of European standards in coordination with EASA<sup>2</sup>, in cooperation with EUROCAE and after consultation of the Commission.

### **2.1. Deliverables**

Development of the European standards referred to in the Annex.

### **2.2. Timeline**

The European standards shall be available at the latest 24\_months after the release of the related EUROCAE Documents.

## **3. BODIES TO BE ASSOCIATED**

The elaboration of the standards must be undertaken in close coordination with EASA and in cooperation with EUROCAE.

As appropriate, the ESOs will invite the representative organisations of consumers' interests (ANEC), environmental protection (ECOS), workers (ETUI) and small and medium-size enterprises (NORMAPME) to take part in the standardisation work.

In the elaboration of the standard any relevant material shall be taken into account, in particular Eurocontrol documents and ICAO Standards and Recommended Practices and associated documents.

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<sup>2</sup> European Aviation Safety Agency

#### **4. EXECUTION OF THE MANDATE**

- 4.1. This mandate is issued after consulting the Article 5 Committee under 98/34/EC Directive in December 2012.
- 4.2. The ESO shall indicate acceptance or rejection of this mandate within 1 month of its issue.
- 4.3. The relevant ESO shall, within 3 months of the acceptance of the mandate and, after consultation with EASA and EUROCAE:
  - inform the Commission on the arrangements to be adopted for the execution of the work of this mandate including in particular cooperation arrangements with EUROCAE; and
  - send to the Commission the draft work programme which is to include an overview of the standardisation work referred to in the Annex.

The Commission shall indicate within 1 month its acceptance or rejection of the proposed work programme and it shall agree with the relevant ESO on any changes identified.

- 4.4. The relevant ESO shall execute the agreed work programme and adopt the requested European standards at the latest 24 months after the release of the related EUROCAE Documents.
- 4.5. The relevant ESO shall report every 12 months after the acceptance of this mandate on the execution of the work programme until all the work items identified in the mandated work programme have been published as European standards or, failing that, as other European standardisation deliverables. Reporting shall enable easy follow up of deadlines as agreed with the Commission.
- 4.6. Acceptance by an ESO of this mandate initiates the standstill period referred to in Article 7 of Directive 98/34/EC of 22 June 1998 (Of N° L 204/37 of 21 July 1998).
- 4.7. The text of the European standards shall be delivered to the Commission in the working language(s) of a relevant ESO.

The ESOs will provide the titles of the standards in all the official languages of the European Union.

**ANNEX**

<b>European Standard</b>	<b>Estimated Publication Date of EUROCAE Document</b>	<b>EUROCAE Working Group and Document</b>
i4D + Controlled Time of Arrival (Step 1): Protected Mode (PM) ADS-C services for i4D	2014	WG78 SC214 SPR
i4D + Controlled Time of Arrival (Step 1): Performance based navigation for enhanced Controlled Time of Arrival (CTA)	2014	WG85 ED75B ED 75C
System interoperability with air-ground data sharing (Step1): Aligning PM-ADS and PM-FIS with PM-CPDLC	2013	WG78 SC214 ICAO Doc 9880
System interoperability with air-ground data sharing (Step1): New messages in D-ATIS services for Departure Clearance (DCL), Taxi-routing (D-TAXI), Clearances in approach and ITP	2013	WG78 SC214 SPR & INTEROP
System interoperability with air-ground data sharing (Step1): Optimised CPDLC message set including oceanic and new continental needs	2014	WG78 SC214 ICAO Doc 4444
System interoperability with air-ground data sharing (Step1): Multi-frequency VDL Mode 2	2013	WG78 SC214 ED 92A
System interoperability with air-ground data sharing (Step1): ATN Baseline II - Ground system providing service to FANS-1/A aircraft	2013	WG78 SC214
System interoperability with air-ground data sharing (Step1): Down link of trajectory data	2013	WG78 SC214 SPR & INTEROP
System interoperability with air-ground data sharing (Step1): Airport surface data communication based on IEEE 802.16, WIMAX	2014	WG82

<b>European Standard</b>	<b>Estimated Publication Date of EUROCAE Document</b>	<b>EUROCAE Working Group and Document</b>
System Wide Information Management (SWIM): Environmental definition for AIS and MET Data Link Services	2013	WG76 206 OSED ED 151 ED 175 ED 176
System Wide Information Management (SWIM) (Step1): Business rules and requirements for Airport Mapping Database	2013	WG44 ED 99C ED 119B ICAO Annex 15
System Wide Information Management (SWIM) (Step1): ATC to ATC flight data exchange updated following validation results	2013	WG59 ED 133
System Wide Information Management (SWIM) (Step2): New MET services (e.g. customized sea, land mountain)	2020	WG76 SC206 ED 151 ED 175 ED 176
System Wide Information Management (SWIM) (Step3): New MET services 4D Weather Data Cube	2020	WG76 SC206