ETSI EN 303 213-4-1 V1.1.1 (2010-10)

European Standard (Telecommunications series)

Advanced Surface Movement Guidance and Control System (A-SMGCS);
Part 4: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed non-cooperative sensor including its interfaces;
Sub-part 1: Generic requirements for non-cooperative sensor

iTeh Standards (https://standards.iteh.ai) Document Preview

ETSLEN 303 213-4-1 V1.1.1 (2010-10)



Reference

DEN/AERO-00001-4-1

Keywords

air traffic management, aeronautical, interoperability

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

(https://standards.iteh.ai) Document Preview

Important notice

ETSI EN 303 213-4-1 V1.1.1 (2010-10)

https://standards.iteh.ai/catalog/sIndividual copies of the present document can be downloaded from:/etsi-en-303-213-4-1-v1-1-1-2010-http://www.etsi.org

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

http://portal.etsi.org/tb/status/status.asp

Copyright Notification

No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2010.
All rights reserved.

DECTTM, **PLUGTESTS**TM, **UMTS**TM, **TIPHON**TM, the TIPHON logo and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.

3GPP[™] is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **LTE**[™] is a Trade Mark of ETSI currently being registered

for the benefit of its Members and of the 3GPP Organizational Partners.

GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Contents

	Intell	ectual Property Rights	5	
	Forev	Foreword		
	Introduction			
	1	Scope	7	
	2	References	7	
	2.1	Normative references		
	2.2	Informative references.		
		Definitions and abbreviations		
	3 3.1	Definitions and aboreviations		
	3.1	Abbreviations		
	3.2			
	4	Requirements for implementing non-cooperative sensors for A-SMGCS Systems		
	4.1	Design Requirements for non-cooperative sensors for A-SMGCS Systems		
	4.1.1	Surveillance Element		
	4.1.2	Operation of Controls		
	4.1.3	Interfaces		
	4.1.3.	1 1		
	4.1.3.			
	4.1.4	External time reference	11	
	4.1.5	SafetyStaff Staff and Staff an		
	4.1.5.		11	
	4.1.5.			
	4.1.5.			
	4.1.6 4.1.7	Power supplies	11	
	4.1.8 4.2	Temperature and Humidity Built requirements for non-cooperative sensors for A-SMGCS Systems		
	421			
	1933	Factory testing procedures Site testing procedures Site testing procedures	1-1-12	
	4.2.2	Requirements for operation non-cooperative sensors for A-SMGCS Systems		
	5	Testing		
	Annex SA (normative): Standards Annex			
	SA.1	SA.1 Correspondence between this European Standard and the Single European Sky Interoperability		
		Regulation for the A-SMGCS non-cooperative sensor constituent	13	
	Anne	ex A (normative): Checklist	16	
	A.1	Interoperability Regulation Annex II Essential Requirements; Part A: General requirements	17	
	A.2	Interoperability Regulation Annex II Essential Requirements; Part B: Specific requirements	20	
	A.2.1	Systems and procedures for airspace management		
	A.2.2	Systems and procedures for air traffic flow management		
	A.2.3	Systems and procedures for air traffic services		
	A.2.3	· · · · · · · · · · · · · · · · · · ·		
	A.2.3			
	A.2.3			
	A.2.4	· · · · · · · · · · · · · · · · · · ·		
		communications	24	
	A.2.5	Navigation systems and procedures		
	A.2.6	Surveillance systems and procedures	25	
	A.2.7	Systems and procedures for aeronautical information services		
	A.2.8	Systems and procedures for the use of meteorological information	26	

Annex B (informative):	The EN title in the official languages	27
Annex C (informative):	Bibliography	29
History		31

iTeh Standards (https://standards.iteh.ai) Document Preview

ETSI EN 303 213-4-1 V1.1.1 (2010-10)

https://standards.iteh.ai/catalog/standards/etsi/2f8140b3-71b8-4e20-bd49-b0e8da2bdee1/etsi-en-303-213-4-1-v1-1-1-2010

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://webapp.etsi.org/IPR/home.asp).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Aeronautics (AERO).

The present document has been produced by ETSI in response to European Commission mandate M/390 for the Interoperability of the European Air Traffic Management Network.

The present document has been developed in cooperation with Eurocae for compliance with the Essential Requirements of the Single European Sky Interoperability Regulation 552/2004 [i.1] and/or requirements given in implementing rules for interoperability based on the Single European Sky Interoperability Regulation.

The presumption of conformity which is linked to the full application of EN 303 213 (parts 1 to 4) can only be claimed after EN 303 213 (parts 1 to 4) has been listed in the Official Journal of the European Union as Community Specification.

General and specific requirements for presumption of conformity to SES Interoperability Regulation 552/2004 [i.1] as amended by Regulation 1070/2009 [i.6] are given in the normative annexes of the present document.

NOTE: Other requirements and other EU Regulations and/or Directives may be applicable to the product(s) falling within the scope of the present document.

If the present document gives no presumption of conformity, the manufacturer has to demonstrate the compliance for those essential requirements listed in the normative annexes of the present document by its own to the relevant supervisory authority.

The present document is part 4, sub-part 1 of a multi-part deliverable covering Advanced Surface Movement Guidance and Control System (A-SMGCS), as identified below:

- Part 1: "Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces";
- Part 2: "Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 2 including external interfaces";
- Part 3: "Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed cooperative sensor including its interfaces";
- Part 4: "Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed non-cooperative sensor including its interfaces":
 - **Sub-part 1:** "Generic requirements for non-cooperative sensor";
 - Sub-part 2: "Specific requirements for a deployed Surface Movement Radar sensor".
- Part 5: "Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for transmitter used in multilateration equipment";