

<b>STN</b>	<b>Zdokonalený systém navádzania a riadenia pohybu na prevádzkových plochách (A-SMGCS) Časť 8: Špecifikácia spoločenstva pre poradenskú službu A-SMGCS</b>	<b>STN EN 303 213-8 V2.1.1</b>  87 3213
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Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 8: Community Specification for A-SMGCS guidance service

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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**Advanced Surface Movement Guidance and  
Control System (A-SMGCS);  
Part 8: Community Specification for  
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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 - APE 7112B  
Association à but non lucratif enregistrée à la  
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# Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The presumption of conformity which is linked to the full application of ETSI EN 303 213 (parts 1-4, 7 and 8) [i.4] can only be claimed after ETSI EN 303 213 (parts 1-4, 7 and 8) [i.4] has been listed in the Official Journal of the European Union as Community Specification.

General requirements for presumption of conformity to Regulation (EU) 2018/1139 [i.3] are given in the normative annex 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.

The present document is part 8 of a multi-part deliverable covering Advanced Surface Movement Guidance and Control System (A-SMGCS), as identified below:

- Part 1: "Community Specification for A-SMGCS surveillance service including external interfaces";
- Part 2: "Community Specification for A-SMGCS airport safety support service";
- Part 3: "Community Specification for a deployed cooperative sensor including its interfaces";
- Part 4: "Community Specification for a deployed non-cooperative sensor including its interfaces";
- Part 5: "Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment";
- Part 6: "Harmonised Standard for access to radio spectrum for deployed surface movement radar sensors";
- Part 7: "Community Specification for A-SMGCS routing service";
- Part 8: "Community Specification for A-SMGCS guidance service".**

<b>National transposition dates</b>	
Date of adoption of this EN:	13 July 2023
Date of latest announcement of this EN (doa):	31 October 2023
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 April 2024
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## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

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# 1 Scope

The present document is applicable to the Advanced Surface Movement Guidance and Control System (A-SMGCS) Guidance Service. This service is based on the A-SMGCS surveillance service (as specified in ETSI EN 303 213-1 [3]) and generates individual guidance information for mobiles based on the surveillance and routing information and known constraints (e.g. standard taxi routes, taxiway closures). In most cases these guidance information will be provided to external partner systems of the A-SMGCS, such as the airfield ground lighting or electronic flight bag display systems in the cockpit of the mobiles. The guidance information can be modified by the controller at any time.

The present document provides a European Standard for Air Navigation Service Providers, who have to demonstrate and declare compliance of their systems and procedures to the Regulation (EU) 2018/1139 [i.3], and takes into account Commission Implementing Regulation (EU) 2021/116 [i.2].

A mapping of requirements for the A-SMGCS guidance service to the relevant Essential Requirements of Regulation (EU) 2018/1139 [i.3] is provided in Annex A.

Any software elements related to the software assurance level of an A-SMGCS are outside of the scope of the present document. As such the essential requirements of the Regulation (EU) 2018/1139 [i.3] are not considered for software elements within the present document.

The present document does not give presumption of conformity related to the maintenance requirements, environmental constraints, procedure level, effect of harmful interference and civil/military coordination.

NOTE: For these ERs, refer to the Air Navigation Service Provider procedures.

Requirements in the present document which refer to "should" statements or recommendations in the normatively referenced material (clause 2.1) are to be interpreted as fully normative ("shall") for the purpose of compliance with the present document.

Currently there are no relevant Implementing Rules for A-SMGCS. The present document does not give presumption of conformity to any current interoperability Implementing Rules.

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## 2 References

### 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <https://docbox.etsi.org/Reference/>.

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The following referenced documents are necessary for the application of the present document.

- [1] [EUROCAE ED-87E \(April 2022\)](#): "MASPS for A-SMGCS including Airport Safety Support Service Routing Service and Guidance Service".
- [2] [EUROCONTROL-SPEC-171 Version 2.0 \(22/04/2020\)](#): "EUROCONTROL Specification for Advanced-Surface Movement Guidance and Control System (A-SMGCS) Services".
- [3] [ETSI EN 303 213-1](#): "Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 1: Community Specification for A-SMGCS surveillance service including external interfaces".

## 2.2 Informative references

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ICAO Document 9830, AN/452: "Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Manual", First Edition, 2004.
- [i.2] [Commission Implementing Regulation \(EU\) 2021/116 of 1 February 2021](#) on the establishment of the Common Project One supporting the implementation of the European Air Traffic Management Master Plan provided for in Regulation (EC) No 550/2004 of the European Parliament and of the Council, amending Commission Implementing Regulation (EU) No 409/2013 and repealing Commission Implementing Regulation (EU) No 716/2014.
- [i.3] [Regulation \(EU\) 2018/1139 of the European Parliament and of the Council of 4 July 2018](#) on common rules in the field of civil aviation and establishing a European Union Aviation Safety Agency, and amending Regulations (EC) No 2111/2005, (EC) No 1008/2008, (EU) No 996/2010, (EU) No 376/2014 and Directives 2014/30/EU and 2014/53/EU of the European Parliament and of the Council, and repealing Regulations (EC) No 552/2004 and (EC) No 216/2008 of the European Parliament and of the Council and Council Regulation (EEC) No 3922/91.
- [i.4] ETSI EN 303 213 (all parts): "Advanced Surface Movement Guidance and Control System (A-SMGCS)".

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