

**Advanced Surface Movement Guidance
and Control System (A-SMGCS);
Part 4: Community Specification for a deployed
non-cooperative sensor including its interfaces;
Sub-part 2: Specific requirements for a deployed
Surface Movement Radar sensor
(ETSI EN 303 213-4-2 V2.1.1 (2020-09))**

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ICS 49.090

Ident (IDT) mit ETSI EN 303 213-4-2 V2.1.1 (2020-09)

Ersatz für siehe nationales Vorwort

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ÖVE/ÖNORM EN 303 213-4-2 V1.1.1:2011-01-01.

ETSI EN 303 213-4-2 V2.1.1 (2020-09)



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Reference

REN/ERM-TGAERO-66

Keywords

aeronautical, air traffic management,
interoperability**ETSI**

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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 to 4, 7, 8) can only be claimed after ETSI EN 303 213 (parts 1 to 4, 7, 8) 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.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.

The present document is part 4, sub-part 2 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";**
 - Sub-part 1: "Generic requirements for non-cooperative sensor";
 - Sub-part 2: "Specific requirements for a deployed Surface Movement Radar sensor";**
- 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".

National transposition dates	
Date of adoption of this EN:	9 September 2020
Date of latest announcement of this EN (doa):	31 December 2020
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 June 2021
Date of withdrawal of any conflicting National Standard (dow):	30 June 2021

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).

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1 Scope

The present document is applicable to deployed non-cooperative SMR sensor as a constituent of an Advanced Surface Movement Guidance and Control System (A-SMGCS).

NOTE 1: Generic requirements for a non-cooperative sensor are defined in ETSI EN 303 213-4-1 [1].

The present document provides a European Standard for manufacturers, Air Navigation Service Providers and/or Airport Operators, who have to demonstrate and declare compliance of their systems and constituents to the Essential Requirements (ERs) of Annex VIII of Regulation EU 2018/1139 [i.6].

NOTE 2: The ERs in Annex VIII of Regulation EU 2018/1139 [i.6] covered by the present document are outlined in Table A.1.

NOTE 3: Although the ERs of the SES Interoperability Regulation [i.1] have been repealed with effect from 11 September 2018 [i.6], a mapping of the requirements for the A-SMGCS Surveillance Service to this same regulation [i.1] is provided in Annex B.

Any software elements related to the software assurance level of an A-SMGCS are out of scope of the present document. As such the ERs of Regulation EU 2018/1139 [i.6] 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 4: For these ERs, the Air Navigation Service Provider will need to provide supplementary compliance within their Interoperability Technical Files.

The present document does not give presumption of conformity to any current interoperability Implementing Rules (IRs).

NOTE 5: Currently there are no relevant Implementing Rules for A-SMGCS.

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 if they are unambiguously referred to from the present document.

The reference to particular requirements is done either by citing the unambiguous requirement number or range of numbers (e.g. "[REQ 30.] to [REQ 35.]") or, if no requirement numbers are available, by indicating the paragraph and clause of the reference material where the requirement can be found.

NOTE 6: Other requirements and other EU Regulations and/or Directives may be applicable to the product(s) falling within the scope of the present document.

2 References

2.1 Normative references

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