

Commission Regulation (EC) No 29/2009 of 16 January
2009 laying down requirements on data link services
for the single European sky (Text with EEA relevance)

Article 1	Subject matter and scope
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ANNEX I

Airspace referred to in Article 1(3)

PART A

The airspace referred to in the first paragraph of Article...

PART B

The airspace referred to in the second paragraph of Article...

ANNEX II

Definition of data link services referred to in Articles 3, 4, 5 and 7 and Annex IV

1. Definition of Data Link Communications Initiation Capability (DLIC)
2. Definition of ATC Communications Management service (ACM)
3. Definition of ATC Clearances and Information service (ACL)
4. Definition of ATC Microphone Check service (AMC)

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EC) No 29/2009. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX III

1. ORO.MLR.105 of Annex III to Commission Regulation (EU) No 965/2012...
2. Chapter 3 — Aeronautical Telecommunication Network, Section 3.5.1.1 ‘ Context...
3. Chapter 3 — Aeronautical Telecommunication Network, Section 3.5.2.2 ‘ Controller-Pilot...
4. Chapter 3 — Aeronautical Telecommunication Network, Sections 3.3, 3.4 and...
5. Chapter 6 — VHF air-ground digital link (VDL) of ICAO...
6. Chapter 3 — General procedures for the international aeronautical telecommunication...
7. Chapter 2 — General — Section 2.26.3 of ICAO Annex...
8. Chapter 6 — Air traffic services requirements for communications —...
9. Eurocae ED-111, Functional specifications for CNS/ATM ground recording, July 2002,...
10. Eurocae ED-100 (September 2000) and ED-100A (April 2005), Interoperability requirements...
11. Eurocae ED-120 Safety and Performance Requirements Standard for Air Traffic...

ANNEX IV

Requirements referred to in Articles 5, 6, 7, 8 and 9

Part A:

Requirements for end-to-end communications

1. End-to-end data communications shall ensure seamless provision and use of...
2. End-to-end data communications shall support the exchange of messages in...
3. End-to-end data communications shall support a common standardised end-to-end protection...

Part B:

Requirements for air-ground communications based on ATN and VDL Mode...

1. Air-ground communications shall be designed to support end-to-end communications and...
2. Air-ground communications shall comply with safety and performance requirements of...
3. Air-ground communications shall be based on a common addressing scheme....

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4. The transmission and reception of data units between ground and...
5. The ground and aircraft communication system characteristics and the transmission...

Part C:

Requirements for air-ground communications based on other communication protocols

1. Air-ground communications shall be designed to support end-to-end communications and...
2. Air-ground communications shall comply with safety and performance requirements of...
3. Air-ground communications shall be based on a common addressing scheme....
4. The transmission and reception of bit frames between ground and...

Part D:

Conditions referred to in Part C

1. Communication protocols must support end-to-end communications.
2. Communication protocols must be subject to a safety case to...
3. Communication protocols must support bidirectional point-to-point communications using those parts...
4. Communication protocols must include a mechanism to manage mobile connectivity...
5. Communication protocols must be specified and validated with respect to...
6. Communication systems supporting these protocols must not create harmful effects...

ANNEX V

Requirements for the assessment referred to in Article 11 of the conformity or suitability for use of constituents

1. The verification activities shall demonstrate the conformity or suitability for...
2. The manufacturer shall manage the conformity assessment activities and shall...
3. The manufacturer shall ensure that the constituents implementing data link...
4. Upon satisfying completion of verification of conformity or suitability for...

ANNEX VI

Conditions referred to in Article 12

1. The air navigation service provider must have in place reporting...

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2. The air navigation service provider must ensure that the personnel...
3. The air navigation service provider must ensure that the personnel...
4. The air navigation service provider must ensure that the personnel...
5. The air navigation service provider must ensure that the personnel...

ANNEX VII

Part A:

Requirements for the verification of systems referred to in Article 12(1)

1. The verification of systems identified in Article 1(2) shall demonstrate...
2. The verification of systems identified in Article 1(2) shall be...
3. Test tools used for the verification of systems identified in...
4. The verification of systems identified in Article 1(2) shall produce...
5. The air navigation service provider shall manage the verification activities...
6. The air navigation service provider shall ensure that the systems...
7. Upon satisfying completion of verification of compliance, air navigation service...

Part B:

requirements for the verification of systems referred to in Article 12(2)

1. The verification of systems identified in Article 1(2) shall demonstrate...
2. The verification of systems identified in Article 1(2) shall be...
3. Test tools used for the verification of systems identified in...
4. The verification of systems identified in Article 1(2) shall produce...
5. The air navigation service provider shall determine the appropriate operational...
6. The notified body shall manage the verification activities and shall...
7. The notified body shall ensure that the systems identified in...
8. Upon satisfying completion of verification tasks, the notified body shall...
9. Then, the air navigation service provider shall draw up the...

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- (1) [OJ L 96, 31.3.2004, p. 26.](#)
- (2) [OJ L 96, 31.3.2004, p. 1.](#)
- (3) [OJ L 64, 2.3.2007, p. 1.](#)
- (4) [OJ L 96, 31.3.2004, p. 20.](#)
- (5) [OJ L 373, 31.12.1991, p. 4.](#)
- (6) [OJ L 79, 19.3.2008, p. 1.](#)

Changes to legislation:

There are outstanding changes not yet made to Commission Regulation (EC) No 29/2009. Any changes that have already been made to the legislation appear in the content and are referenced with annotations.

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Changes and effects yet to be applied to :

- Art. 1(1) word omitted by [S.I. 2019/459 reg. 125\(2\)](#)
- Art. 1(3) words substituted by [S.I. 2019/459 reg. 125\(3\)](#)
- Art. 3(4) words inserted by [S.I. 2019/459 reg. 127\(b\)](#)
- Art. 3(4) words substituted by [S.I. 2019/459 reg. 127\(a\)](#)
- Art. 7 heading words substituted by [S.I. 2019/459 reg. 128\(2\)](#)
- Art. 7(1) word substituted by [S.I. 2019/459 reg. 128\(3\)\(b\)](#)
- Art. 7(1) words substituted by [S.I. 2019/459 reg. 128\(3\)\(a\)](#)
- Art. 7(2) words substituted by [S.I. 2019/459 reg. 128\(4\)](#)
- Art. 7(3) words substituted by [S.I. 2019/459 reg. 128\(4\)](#)
- Art. 8(1)-(3) words substituted by [S.I. 2019/459 reg. 129](#)
- Art. 10 words substituted by [S.I. 2019/459 reg. 130](#)
- Art. 12(2) words substituted by [S.I. 2019/459 reg. 132](#)
- Art. 13(4) omitted by [S.I. 2019/459 reg. 133](#)
- Art. 13(7) omitted by [S.I. 2019/459 reg. 133](#)
- Art. 13(8) omitted by [S.I. 2019/459 reg. 133](#)
- Art. 14 omitted by [S.I. 2019/459 reg. 134](#)
- Art. 15 omitted by [S.I. 2019/459 reg. 135](#)

Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/459 reg. 136](#)
- Annex 1 omitted by [S.I. 2019/459 reg. 137](#)
- Art. 2(13) words omitted by [S.I. 2019/459 reg. 126\(a\)](#)
- Art. 2(13) words substituted by [S.I. 2019/459 reg. 126\(b\)](#)
- Annex 5 Point 4 word omitted by [S.I. 2019/459 reg. 138](#)
- Annex 7 Pt. A Point 7 word omitted by [S.I. 2019/459 reg. 139\(2\)\(a\)](#)
- Annex 7 Pt. A Point 7 word substituted by [S.I. 2019/459 reg. 139\(2\)\(b\)](#)
- Annex 7 Pt. B Point 6 word substituted by [S.I. 2019/459 reg. 139\(3\)\(b\)](#)
- Annex 7 Pt. B Point 7 word substituted by [S.I. 2019/459 reg. 139\(3\)\(b\)](#)
- Annex 7 Pt. B Point 8 word substituted by [S.I. 2019/459 reg. 139\(3\)\(b\)](#)
- Annex 7 Pt. B Point 9 word substituted by [S.I. 2019/459 reg. 139\(3\)\(c\)\(i\)](#)
- Annex 7 Pt. B Point 9 word substituted by [S.I. 2019/459 reg. 139\(3\)\(c\)\(ii\)](#)
- Annex 7 Pt. B Point 5 words substituted by [S.I. 2019/459 reg. 139\(3\)\(a\)](#)
- Art. 11(1) word substituted by [S.I. 2019/459 reg. 131\(3\)\(a\)](#)
- Art. 11(1) words in Art. 11 renumbered as Art. 11(1) by [S.I. 2019/459 reg. 131\(2\)](#)
- Art. 11(1) words inserted by [S.I. 2019/459 reg. 131\(3\)\(b\)](#)
- Art. 11(1) words substituted by [S.I. 2019/459 reg. 131\(3\)\(c\)](#)
- Art. 11(2) words in Art. 11 renumbered as Art. 11(2) by [S.I. 2019/459 reg. 131\(4\)](#)