

# Coordination between Aerodrome Operator and Air Navigation Services Provider

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# NATIONAL REGULATION FRAMEWORK

Regulation	Edition
<b>Air Code</b>	<b>2001</b>
<p><b>Art. no 29</b> stipulates that: all economic operators and competent state bodies performing on civil aerodromes are required to respect the rules established by the aerodrome operator. All activities carried out in the perimeter of a civil aerodrome are coordinated by the aerodrome manager.</p>	
<b>RACR – AD – AADC: Authorization of civil aerodromes</b> <b>(being amended)</b>	<b>1/2010</b>
<p><b>Cap. 3</b> stipulates that: aerodrome manual should contain all relevant information on [...] procedures for cooperation with the air traffic units [...]. These should be stipulated in the 4th part, and the 5th part (P5.1 SMS) includes cooperation and coordination activities with air traffic services, owners of air navigation protection aids as well as the cooperation of all users [...] (ANS) to the aerodrome program for safety achievement.</p> <p><b>Cap. 6</b> stipulates the requirements for aerodrome operators, including the obligation (6.5.1(3)) to organize an external audit and inspection program to evaluate other users [...] (ANS).</p>	

# NATIONAL REGULATION FRAMEWORK

Regulation	Edition
<b>CA: SNA/AP Preparing for cooperation and coordination procedures between air navigation service providers and airports</b>	<b>1/2010</b>
<b>Cap 4. Aspects of cooperation and coordination relevant to flight safety.</b> 4.1. Ground-ground communications. 4.2. Low visibility operations. 4.3. Airside movement. 4.4. Traffic management. 4.5. Providing primary and secondary power supply. 4.6. Operating the lighting system. 4.7. Exchange of flight information. 4.8. Information on the weather situation. 4.9. The danger of animal life. 4.10. Performing maintenance work on airside. 4.11. Managing the air navigation aids. 4.12. Aeronautical information. 4.13. Aircraft engine testing on the ground.	

# NATIONAL REGULATION FRAMEWORK

Other related regulation	Edition
<b>PIAC – AD – AADC: Authorization of civil aerodromes</b> (being amended + merged with PIAC-AD-SCADC)	<b>2/2012</b>
<b>PIAC – AD – SMGCS: Safety on the movement area</b> (Replacing PIAC-AD-SPCR, DA4, DA5, supplemented with SMGCS and A-SMGCS requirements )	<b>1/2015</b>
<b>PIAC – AD – LVP: Approval of the procedures for low visibility operations</b>	<b>1/2015</b>
<b>PIAC – AD – PSU: Aerodrome emergency plan</b>	<b>1/2012</b>
<b>RACR – REAC: Civil aviation occurrence reporting</b>	<b>1/2005</b>

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## Cooperation principles established by R216

<i>Article 8a</i> AERODROMES	<i>Article 8b</i> ATM/ANS
Aerodromes and aerodrome equipment as well as the operation of aerodromes shall comply with the essential requirements set out in <i>Annex Va</i> and, if applicable, <i>Annex Vb</i> .	Provision of ATM/ANS shall comply with the essential requirements set out in <i>Annex Vb</i> and, as far as practicable, <i>Annex Va</i> .

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## AERODROMES [1]

### **R216/2008 - ANNEX Va - BR ESSENTIAL REQUIREMENTS FOR AERODROMES**

#### **A — Physical characteristics, infrastructure and equipment**

##### *Aerodrome data*

(a) Data relevant to the aerodrome and the available services shall be established and kept up to date.

(b) The data shall be accurate, readable, complete and unambiguous. Appropriate integrity levels shall be maintained.

(c) The data shall be made available to the users and the relevant ANS providers in a timely manner, using a sufficiently secure and expeditious method of communication.

### **R139/2014 – IR**

#### **ADR.OPS.A.015 Coordination between aerodrome operators and providers of aeronautical information services**

(a) To ensure that aeronautical information services providers obtain information [...], the aerodrome operator shall make arrangements to report to the relevant aeronautical information service providers, with a minimum of delay, the following:

- (1) information on the aerodrome conditions, disabled aircraft removal, rescue and firefighting and visual approach slope indicator systems;
- (2) the operational status of associated facilities, services and navigational aids at the aerodrome;
- (3) any other information considered to be of operational significance.

(b) Before introducing changes to the air navigation system, the aerodrome operator shall take due account of the time needed by the relevant aeronautical information services for the preparation, production and issue of relevant material for promulgation.

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## AERODROMES [2]

### B – Operations and management

1. *The aerodrome operator is responsible for operation of the aerodrome. The responsibilities of the aerodrome operator are as follows:*

(a) the aerodrome operator shall have, directly or under contracts, all the means necessary to ensure safe operation of aircraft at the aerodrome.

(b) the aerodrome operator shall verify that the requirements of Section A are complied with at all times or take appropriate measures to mitigate the risks associated with non-compliance.

[...]

#### **ADR.OR.D.010 Contracted activities**

(a)[...] The aerodrome operator shall ensure that when contracting or purchasing any part of its activity, the contracted or purchased service or equipment or system conforms to the applicable requirements.

(b) When an aerodrome operator contracts any part of its activity to an organization that is not itself certified in accordance with this Part to carry out such activity, the contracted organization shall work under the approval and oversight of the aerodrome operator.

#### **ADR.OR.C.005 Aerodrome operator responsibilities**

(b) The aerodrome operator shall ensure directly, or coordinate through arrangements as required with the accountable entities providing the following services:

- (1) the provision of air navigation services [...]; and
- (2) the design and maintenance of the flight procedures [...].

#### **ADR.OPS.B.005 Aerodrome emergency planning**

[...] (b) provides for the coordination of appropriate organizations in response to an emergency occurring at an aerodrome or in its surroundings [...]

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## AERODROMES [3]

(d) the aerodrome operator shall ensure that movements of vehicles and persons in the movement area and other operational areas are coordinated with movements of aircraft in order to avoid collisions and damage to aircraft;

(e) the aerodrome operator shall ensure that procedures to mitigate risks related to aerodrome operations in winter operation, adverse weather conditions, reduced visibility or at night, if applicable, are established and implemented;

(f) the aerodrome operator shall establish arrangements with other relevant organizations to ensure continuing compliance with these essential requirements for aerodromes.

### **ADR.OPS.B.025 Operation of vehicles**

The aerodrome operator shall establish and implement procedures for the training, assessment and authorization of all drivers operating on the movement area.

### **ADR.OPS.B.030 Surface movement guidance and control system**

The aerodrome operator shall ensure that a surface movement guidance and control system is provided at the aerodrome.

### **ADR.OPS.B.045 Low visibility operations**

- (a) The aerodrome operator shall ensure that means and procedures are established and implemented for providing safe conditions for aerodrome operations in low visibility conditions.
- (b) Low visibility procedures shall require prior approval by the Competent Authority.



# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## *AERODROMES [3]*

(d) the aerodrome operator shall ensure that movements of vehicles and persons in the movement area and other operational areas are coordinated with movements of aircraft in order to avoid collisions and damage to aircraft;

**(e) the aerodrome operator shall ensure that procedures to mitigate risks related to aerodrome operations in winter operation, adverse weather conditions, reduced visibility or at night, if applicable, are established and implemented;**

(f) the aerodrome operator shall establish arrangements with other relevant organizations to ensure continuing compliance with these essential requirements for aerodromes.

### **ADR.OPS.B.040 Night operations**

The aerodrome operator shall ensure that means and procedures are established and implemented for providing safe conditions for aerodrome operation during night operations.

### **ADR.OPS.B.050 Operations in adverse weather conditions**

The aerodrome operator shall ensure that means and procedures are established and implemented to ensure the safety of aerodrome operations in adverse weather conditions.

### **ADR.OPS.B.035 Operations in winter conditions**

The aerodrome operator shall ensure that means and procedures are established and implemented for providing safe conditions for aerodrome operations during winter conditions.

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## AERODROMES [3]

(d) the aerodrome operator shall ensure that movements of vehicles and persons in the movement area and other operational areas are coordinated with movements of aircraft in order to avoid collisions and damage to aircraft;

(e) the aerodrome operator shall ensure that procedures to mitigate risks related to aerodrome operations in winter operation, adverse weather conditions, reduced visibility or at night, if applicable, are established and implemented;

**(f) the aerodrome operator shall establish arrangements with other relevant organizations to ensure continuing compliance with these essential requirements for aerodromes.**

### **ADR.OR.B.025 Demonstration of compliance**

The aerodrome operator shall:

perform and document all actions, inspections, tests, safety assessments or exercises necessary, and shall demonstrate to the Competent Authority:

- (ii) that the aerodrome, as well as its obstacle limitation and protection surfaces and other areas associated with the aerodrome, have no features or characteristics making it unsafe for operation; and
- (iii) that the flight procedures of the aerodrome have been approved.

### **ADR.OR.B.040 Changes**

[...] (f) As part of its management system [...] the aerodrome operator [...] shall:

- (1) determine the interdependencies with any affected parties, plan and conduct a safety assessment in coordination with these organizations;
- (2) align assumptions and mitigations with any affected parties, in a systematic way;
- (3) ensure a comprehensive assessment of the change including any necessary interactions [...]

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## AERODROMES [3]

### **ANNEX Vb**

#### **1. Use of the airspace**

(a) All aircraft, excluding those engaged in the activities referred to in Article 1(2)(a), in all phases of flight or **on the movement area of an aerodrome**, shall be operated ***in accordance with common general operating rules*** and any applicable procedure specified for use of that airspace.

#### **Related ADR:**

**ADR.OPS.B.025 Operation of vehicles**

**ADR.OPS.B.030 Surface movement guidance and control system**

**ADR.OPS.B.045 Low visibility operations**

**ADR.OPS.B.040 Night operations**

**ADR.OPS.B.050 Operations in adverse weather conditions**

**ADR.OPS.B.035 Operations in winter conditions**

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## *AERODROMES [4]*

### **2. Management systems**

(a) The aerodrome operator shall implement and maintain a management system to ensure compliance with these essential requirements for aerodromes and to aim for continuous and proactive improvement of safety.

The management system shall include organizational structures, accountability, responsibilities, policies and procedures.

(b) The management system shall include an accident and incident prevention programme, including an occurrence-reporting and analysis scheme. The analysis shall involve the parties listed in point 1(f) above, as appropriate.

#### **ADR.OR.B.040 Changes**

[...] (f) As part of its management system [...] the aerodrome operator [...] shall:

- (1) determine the interdependencies with any affected parties, plan and conduct a safety assessment in coordination with these organizations;
- (2) align assumptions and mitigations with any affected parties, in a systematic way;
- (3) ensure a comprehensive assessment of the change including any necessary interactions [...]

#### **ADR.OR.D.027 Safety programmes**

The aerodrome operator shall:

- (a) establish, lead and implement programmes to promote safety and the exchange of safety-relevant information; and
- (b) encourage organizations operating or providing services at the aerodrome to be involved in such programmes.

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## ATM/ANS [1]

### ANNEX Va

#### A – Physical characteristics, infrastructure and equipment

##### 1. Movement area

(c) The designated landing and take-off area shall be surrounded by defined areas. These areas are intended to protect aircraft flying over them during take-off or landing operations or to mitigate the consequences of undershooting, running off the side or overrunning the take-off and landing area, and shall satisfy the following conditions:

[...]

(iii) these areas shall be free from objects which might create an unacceptable risk to aircraft operations. This should not preclude frangible equipment to be located in those areas, if required to assist aircraft operations [...]

#### CS ADR-DSN.B.165 Objects on runway strips

- (a) An object situated on a runway strip which may endanger airplanes should be regarded as an obstacle and should, as far as practicable, be removed.
- (b) No fixed object, other than visual aids required for air navigation or for aircraft safety purposes and satisfying the relevant frangibility requirement in Chapter T, should be permitted on a runway
- (c) To eliminate a buried vertical surface, a slope should be provided which extends from the top of the construction to not less than 0.3 m below ground level. The slope should be no greater than 1:10.

**CS ADR-DSN.C.220 Objects on runway end safety areas** No fixed object, other than equipment and installations required for air navigation or for airplane safety purposes and satisfying the relevant frangibility requirement CS ADR-DSN.T.910, should be permitted on a runway end safety area. The detailed requirements for siting objects on a RESA are in CS ADR-DSN.T.915.

#### CS ADR-DSN.T.915 Siting of equipment and installations on operational areas

# EUROPEAN REGULATION ON AIRPORT CERTIFICATION

## ATM/ANS [2]

### **ANNEX Va**

#### **D – Others**

Except for aircraft emergency situations, when diverting to an alternate aerodrome, or under other conditions specified in each case, an aerodrome or parts thereof shall not be used by aircraft for which the aerodrome design and operating procedures are not normally intended.

**Competent authority certified operations**

#### **Related ADR:**

**ADR.OPS.B.025 Operation of vehicles**

**ADR.OPS.B.030 Surface movement guidance and control system**

**ADR.OPS.B.045 Low visibility operations**

**ADR.OPS.B.040 Night operations**

**ADR.OPS.B.050 Operations in adverse weather conditions**

**ADR.OPS.B.035 Operations in winter conditions**

# Questions?

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