



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

## EASA Conference on future aerodrome safety rules

# Certification Basis (CB)

Predrag SEKULIC

Your safety is our mission.

22 May 2012



# Certification basis – CB

## Basic Regulation, Article 8a *Aerodromes*

1. **Aerodromes, aerodrome equipment and operation of aerodromes shall comply with the essential requirements set out in Annex Va and, if applicable, Annex Vb**
2. **The compliance with 1. shall be established in accordance:**
  - (a) the certificate shall be issued when the applicant has shown that the aerodrome complies with the aerodrome **certification basis** and the aerodrome is safe for operation;
  - (b) the **certification basis** shall consist of:
    - i) the applicable **CS** related to the type of aerodrome;
    - ii) the provisions for which an Equivalent Level of Safety (**ELOS**) has been accepted; and
    - iii) the Special Detailed Technical Specifications (**SC**) when the designed features of a particular aerodrome or the experience in operation render any of the specifications in i) inadequate or inappropriate to ensure conformity with ER.

(c), (d) and (e)



## Certification basis – CB

**The content of the Certification Basis is set out in Article 8a (BR), no definition needed**



**Competent Authority to establish the CB (ADR.AR.C.020)**



**Based on the request received from the application (ADR.OR.B.015)**

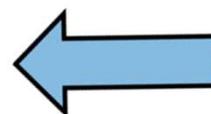
**CB & Certification  negotiation process between the Competent Authority and the Applicant**



# CB & Certification

**Part – ADR.AR**  
(Competent authority)

**Part – ADR.OR**  
(Aerodrome operator)





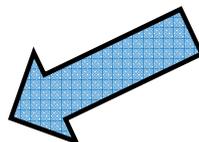
## Part – ADR.AR

## Part – ADR.OR



- **ADR.OR.B.005 – Certification obligation of ADR and Aerodrome operators**

- Prior to commencing the operation of an aerodrome, the operator shall obtain a certificate issued by the competent authority





## Part – ADR.AR



### ➤ **ADR.AR.C.015 – Initiation of certification process**

- To verify the applicant's eligibility and, if satisfied ...
- To notify the applicant with
  - The established CB
  - The use of proposed alternative means of compliance (AltMC)



## Part – ADR.OR

### ➤ **ADR.OR.B.010 – Eligibility**

- Any natural or legal person who has shown compliance with the applicable requirements established in BR and its IR

### ➤ **ADR.OR.B.015 – Application for a certificate**

- The applicant shall provide the proper information to the competent authority, ...
- Name, address, ADR info, proposed applicable CS, a copy of (draft) aerodrome manual





# CB & Certification



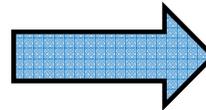
## Part – ADR.AR

### ➤ ADR.AR.C.020 – Certification basis

- The CB to be notified to an applicant shall consist of:
  - The applicable **CSs** related to the type of operation
  - Any provisions for which **ELOS** has been accepted
  - Any special condition (**SC**)

### ➤ ADR.AR.C.025 – Special conditions

- Competent authority shall prescribe SC if the related CS is inadequate or inappropriate, because:
  - CS cannot be met (physical, topographical limitations)
  - ADR has novel or unusual design
  - experience from the operation





# CB & Certification



## Part – ADR.AR

## Part – ADR.OR



### ➤ **ADR.AR.C.035 – Issuance of certificate**

under conditions:

- NAA approve the aerodrome manual;
- The aerodrome operator has demonstrated compliance

### ➤ **ADR.OR.B.025 – Compliance**

- Perform all actions and demonstrate compliance with the CB and IRs;
- Record keeping of design information, drawings and tests and inspections reports





# Certificate(s)



- **ADR.AR.C.035 — Issuance of certificate**
  - conditions for issuing certificate(s) (approved aerodrome manual, the ADR operator has demonstrated compliance)
  - single or two separate certificates
  - duration (unlimited) and content of certificate
- **ADR.OR.B.040 — Changes**
- **ADR.AR.C.040 — Changes**
  - changes requiring prior approval
  - changes not requiring prior approval
  - (not significant changes)





# ADR Certificate Samples

<b>AUTORITATEA AERONAUTICĂ CIVILĂ ROMÂNĂ</b>	 <b>ROMANIAN CAA</b>	<b>ROMANIAN CIVIL AERONAUTICAL AUTHORITY</b>
Tel: +40.21.208.15.08 Fax: +40.21.208.15.72 +40.21.233.40.62	Sos. București-Ploiești no. 38-40 RO-013695, București, Sector 1, România	AFTN: LRBBYAYA SITA: BUHTOYA www.caa.ro e-mail: dir.gcn@caa.ro
<b>CERTIFICAT DE AUTORIZARE AERODROM</b>		<b>AERODROME CERTIFICATE</b>
<b>Nr./No. AP 07 / 2012</b>		
<p>1. În baza prevederilor art. 26 din Ordonanța Guvernului României nr. 29/1997 privind Codul Aerian al României, republicată, cu modificările și completările ulterioare, a competențelor acordate prin OMTCT nr. 1185/2006, privind desemnarea AACR ca autoritate națională de supervizare, organism tehnic specializat pentru îndeplinirea funcției de supervizare a siguranței zborului în aviația civilă, la nivel național, Hotărârea Guvernului României nr. 405/1993, privind organizarea și funcționarea AACR, cu modificările ulterioare, precum și a rezultatelor evaluării, consemnate în Raportul de Audit nr. AP 07 din 08.05.2012, Autoritatea Aeronautică Civilă Română emite prezentul certificat pentru</p>	<p>1. According to the provisions of the art. 26 of the Romanian Government Ordinance No. 29/1997 regarding the Romanian Air Code, republished, with amendments and additional requirements, on the basis of the competencies granted by OMTCT no. 1185/2006, concerning the appointment of the Romanian CAA as National supervisory authority - technical specialized body to execute at national level, the civil aviation safety supervision function, the Romanian Government Decision no. 405/1993, regarding organization and functioning of the FCAA, with additional requirements, and on the assessment results of the Audit Report No. AP 07 dated 08.05.2012, the Romanian Civil Aeronautical Authority hereby issues the present certificate for</p>	
<b>AEROPORTUL CLUJ-NAPOCA</b> Lat: 46°47'06.33"N Long: 23°41'10.03"E		
Administrat de <b>R.A. AEROPORTUL CLUJ-NAPOCA</b> Cluj-Napoca, str. Traian Vuia nr. 149, jud. Cluj, România	Operated by	
<p>2. Prezentul certificat atestă că Aeroportul Cluj-Napoca, administrat de R.A. Aeroportul Cluj-Napoca, îndeplinește cerințele de autorizare prevăzute de legislația aeronautică aplicabilă și declarate în Manualul de Aerodrom.</p>	<p>2. The present certificate confirms that Cluj-Napoca Airport, operated by R.A. Aeroportul Cluj-Napoca, fulfills the authorization requirements according to the aeronautical legislation in force and declared in the Aerodrome Manual.</p>	
<p>3. Prezentul certificat nu este transferabil și este valabil până la data de 15.09.2013.</p>	<p>3. The present certificate is not transferable and is valid until 15.09.2013.</p>	
<p>4. Certificatul poate fi oricând revocat, restricționat, suspendat, modificat sau anulat de Autoritatea Aeronautică Civilă Română în cazul în care deținătorul certificatului nu mai respectă condițiile de autorizare.</p>	<p>4. The certificate can be revoke, restricted, suspended, modified or cancelled at any time by the Romanian Civil Aeronautical Authority if the certificate's holder no longer meets the authorization requirements.</p>	
<p>5. Condițiile specifice și restricțiile operaționale sunt menționate în anexa la prezentul certificat.</p>	<p>5. The specific terms and operational limitations are mentioned in the annex to the present certificate.</p>	
Data eliberării: <b>Date of issue: 10 MAI 2012</b>		
 <b>Director General AACR RCAA Director General Claudia VÎRLAN 09.05.2012</b>		
Ediția 1 / 1 <sup>st</sup> Edition		

INSPECTIE VERKEER EN WATERSTAAT

**CERTIFICAAT**

uitgereikt aan  
ROTTERDAM AIRPORT B.V.  
statutair gevestigd in de gemeente Rotterdam

Bij besluit van 2 april 2008, kenmerk VENW/IVW-2008/3944, is vastgesteld dat de exploitant, van bovengenoemd luchtvaartterrein een certificaat wordt toegekend gebaseerd op de Regeling Certificering Luchtvaartterreinen, d.d. 22 november 2002. De hierin opgenomen eisen hebben betrekking op de aanleg, inrichting, uitrusting en het veilig gebruik van het luchtvaartterrein, alsmede het gehanteerde veiligheidsmanagementsysteem.

Het certificaat is verleend voor het operationele gebruik:  
 - vleugelvliegtoelagen t/m ICAO codenummer en -letter 4E  
 - hefschroefvliegtuigen.

DE MINISTER VAN VERKEER EN WATERSTAAT,  
namens deze,  
DE HOOFDINSPECTEUR TOEZICHTENHEID LUCHTHAVENS EN LUCHTRUIM

Ing. J.H. Wilbrink

Dit certificaat blijft 3 jaar geldig, mits exploitant aan de gestelde eisen blijft voldoen.

Datum van uitgifte                      2 april 2008                      Dit certificaat is geldig tot                      2 april 2011



# ADR Certificate Samples

  
ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ  
ΥΠΟΥΡΓΕΙΟ  
ΜΕΤΑΦΟΡΩΝ ΚΑΙ ΕΠΙΚΟΙΝΩΝΙΩΝ  
ΥΠΗΡΕΣΙΑ ΠΟΛΙΤΙΚΗΣ ΑΕΡΟΠΟΡΙΑΣ  
ΓΕΝΙΚΕΣ ΔΙΕΥΘΥΝΣΕΙΣ: ΑΕΡΟΜΕΤΑΦΟΡΩΝ-  
ΑΕΡΟΝΑΥΤΙΑΣ-ΔΙΟΙΚΗΤΙΚΗΣ ΥΠΟΣΤΗΡΙΞΗΣ

Αθήνα, 12 Μαρτίου 2001

Αριθ.Πρωτ.: ΓΔΑΜ/10719/51

ΘΕΜΑ: Άδεια λειτουργίας Διεθνούς Αερολιμένα Αθηνών «Ελευθερίας Βενιζέλος»

Α Π Ο Φ Α Σ Η  
Ο Υ Π Ο Υ Ρ Γ Ο Σ  
Μ Ε Τ Α Φ Ο Ρ Ω Ν Κ Α Ι Ε Π Ι Κ Ο Ι Ν Ω Ν Ι Ω Ν

Έχοντες υπόψη:

1. Τις διατάξεις της Σύμβασης Ανάπτυξης του νέου Διεθνούς Αεροδρομίου της Αθήνας στα Σπάτα, η οποία κυρώθηκε με το άρθρο πρώτο του Ν. 2338/85 (ΦΕΚ 202<sup>Α</sup>) και ειδικότερα του άρθρου 9 αυτής.
2. Το περιεχόμενο των ενσωματωμένων στην παραπάνω Σύμβαση Παραρτημάτων και ειδικότερα του Παραρτήματος 7.
3. Τις διατάξεις του άρθρου 9 του Ν. 1815/88(ΦΕΚ 250/Α) «κύρωση του Κώδικα Αεροπορικού Δικαίου»
4. Την υπ' αριθ.15096/2-1-2001 Αίτηση του Διεθνούς Αερολιμένα Αθηνών για την Έκδοση Άδειας Έναρξης Λειτουργίας Αερολιμένα (Άρθρα 9.1 και Παράρτημα 7, Τμήμα 1 της Σύμβασης Ανάπτυξης Αεροδρομίου).
5. Το υπ' αριθ.ΔΥΠΑ/345/8.2.2001 έγγραφο με το οποίο υποβλήθηκε στον Υπουργό η Έκθεση – Εισήγηση του Διοικητή της ΥΠΑ για την έκδοση άδειας λειτουργίας του ΝΔΑΑ
6. Το υπ' αριθ. ΔΥΠΑ/365/10.2.2001 έγγραφο του Διοικητή της ΥΠΑ με το οποίο υποβλήθηκαν στον Υπουργό βεβαιώσεις των εταιρειών "Parsons" και «Αερολιμένα Αθηνών»
7. Το υπ' αριθ. ΔΥΠΑ/401/13.2.2001 έγγραφο Διοικητή ΥΠΑ με το οποίο υποβλήθηκε στον Υπουργό Πιστοποίηση της Κοινπραξίας «ACHNA Airport Contractors»



REPUBLIKA SLOVENIJA

MINISTRSTVO ZA PROMET

www.mrp.gov.si, e: gp.mrp@gov.si  
Langusova 4, 1535 Ljubljana  
t: 01 478 84 50, f: 01 478 81 70

Ποσότητα πλάκα pri pošti  
1102 Ljubljana

Številka:37210-50/2007/5-0043267  
Datum: 27.5.2009

Vaša št.: 72/2009  
Datum: 29.4.2009

Ministrstvo za promet, izdaja na vlogo družbe Aerodrom Maribor, d.o.o., Letališka cesta 10, 2312 Orehova vas št.:72/2009 z dne 29.4.2009 v zadevi podaljšanja obratovalnega dovoljenja za obratovanje javnega mednarodnega letališča Edvarda Rusjana Maribor na podlagi določb 103. člena Zakona o letalstvu (Uradni list RS, št. 113/06 – uradno prečiščeno besedilo in 33/09) *naslednje*

## OBRATOVALNO DOVOLJENJE

1. Gospodarski družbi Aerodrom Maribor, d.o.o., Letališka cesta 10, 2312 Orehova vas se dovoli obratovanje  
JAVNEGA MEDNARODNEGA LETALIŠČA EDVARDA RUSJANA MARIBOR  
v naslednjih pogojih:  
- IFR CAT I / VFR,  
- do vključno VI. reševalno-gasilske kategorije, oziroma VII. reševalno-gasilske kategorije s predhodno najavo 24 ur pred predvidenim pristankom letala.
2. Obratovanje se izvaja v skladu z:
  - 2.1. Letališkim priročnikom z dne 22.1.2007 izdaja 1.
  - 2.2. Varnostnim programom, 20.3.2008, izdaja 3.
  - 2.3. Sporazumom o razmejitvi odgovornosti na površinah za gibanje na letališču Maribor med URSCL-LKZP Maribor in družbo Aerodrom Maribor d.o.o., maj 2003.
3. Obratovalno dovoljenje velja od 31.5.2009 do 31.5.2012, razen, če ni prej spremenjeno, nadomeščeno z novim ali preklicano.
4. O stroških postopka se predlagatelj izda poseben sklep.

## Obrazložitev:

Aerodrom Maribor, d.o.o., Letališka cesta 10, 2312 Orehova (v nadaljevanju besedilu: predlagatelj) je z vlogo št.:72/2009 z dne 29.4.2009 zaprosil Ministrstvo za promet, za podaljšanja obratovalnega dovoljenja za obratovanje javnega mednarodnega letališča Edvarda Rusjana Maribor. V postopku je bil dne 20.5.2009 opravljen pregled predlagatelja kot obratovalca javnega mednarodnega letališča Edvarda Rusjana Maribor.

Pri pregledu je bilo ugotovljeno:  
Obratovalec letališča v času obratovanja letališča zagotavlja vse predpisane obvezne letališke službe v skladu z drugim odstavkom 89. člena Zakona o letalstvu.  
Na letališču so glede na vrsto in obseg prometa ustrezno organizirane tudi druge letališke službe.

OD\_LJMB\_ADMaribor\_270509.doc

Stran 1 od 2



# ADR Certificate Samples

Licence No. P885	
1 Name of Aerodrome	LONDON GATWICK
2 Position of Aerodrome	2.7 NM NORTH OF CRAWLEY (see map at Schedule 1)
3 Name and Address of Licence Holder	GATWICK AIRPORT LTD LONDON GATWICK AIRPORT WEST SUSSEX RH6 0NP

The Civil Aviation Authority (in this licence referred to as the CAA) in exercise of its powers under Article 128 of the Air Navigation Order hereby licenses the above-named aerodrome as an aerodrome to be used as a place of take-off and landing of aircraft engaged in flights for the purpose of the public transport of passengers or for the purpose of instruction in flying, subject to the following conditions:

- 1 The aerodrome is licensed for public use and shall at all times when it is available for the take-off or landing of aircraft be so available to all persons on equal terms and conditions.
- 2 No aircraft shall take-off or land at the aerodrome unless such fire-fighting and rescue services and such medical services and equipment as are required in respect of such an aircraft in the CAA's publication CAP 168 (Licensing of Aerodromes) are provided there. Such services and equipment shall at all times when the aerodrome is available for the take-off or landing of aircraft be kept fit and ready for immediate turnout.
- 3 Changes in the physical characteristics of the aerodrome including the erection of new buildings and alterations to existing buildings or to visual aids shall not be made without prior approval of the CAA.
- 4 The licence holder shall, by the quickest means available, notify the CAA of any material change in the surface of the landing area, or in the obstruction characteristics of the approach, take-off or circuit in relation to the aerodrome.
- 5 Any public right of way crossing or bordering the landing area shall be adequately sign-posted with notices warning the public of danger from aircraft.
- 6 The aerodrome is licensed for the take-off and landing of aircraft at night. Such systems of lighting appropriate to the Category of runway in use as described in the CAA's publication CAP 168 (Licensing of Aerodromes), shall be in operation at all times when aircraft are taking-off or landing at the aerodrome at night, provided that minor temporary unserviceability, not of a character likely to affect the safety of operations, shall not preclude the take-off or landing of aircraft.
- 7 The licence holder shall inform the CAA of the times during which the aerodrome is to be generally available for the take-off or landing of aircraft, and of any changes in those times, and whether the aerodrome is to be available by arrangement with the licence holder outside those times. The aerodrome shall be kept available for the take-off or landing of aircraft at all times when, in accordance with the information furnished by the licence holder to the CAA, it is notified as being generally available and shall not be used for the take-off or landing of aircraft at any other time, unless it has been notified in accordance with such information as being available for use by arrangement with the licence holder outside the times when it is generally available and is used pursuant to such arrangement.
- 8 Without prejudice to condition 1, nothing in this licence shall be taken to confer on any person the right to use the aerodrome without the consent of the licence holder.
- 9 Expressions used in this licence shall have the same respective meanings as in the Air Navigation Order.
- 10 The Air Navigation Order in this licence means the Air Navigation Order 2005 and any reference to the Order or to any Article of the Order shall, if that Order be amended or replaced, be taken to be a reference to the Air Navigation Order for the time being in force or the corresponding Article of that Order.

This licence shall remain in force until it is varied, suspended or revoked.

Date 30 June 2008

FOR THE CIVIL AVIATION AUTHORITY

NPA 2011-20 (B.I)

09/12/2011

ANNEX I – Part-AR

APPENDIX I

**APPENDIX I**

[MEMBER STATE]

A Member of the European Union<sup>4</sup>

*CERTIFICATE*

Certificate reference: [STATE CODE]: xxxxx

Pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council and the Commission Regulation (EC) No .../... for the time being in force and subject to the conditions specified below, [THE COMPETENT AUTHORITY OF THE MEMBER STATE<sup>5</sup>] hereby certifies that:

[COMPANY NAME AND ADDRESS]

is authorised to operate aerodrome [NAME OF AERODROME], in accordance with the provisions of Regulation (EC) No 216/2008 and its Implementing Rules, the aerodrome certification basis, the terms of approval attached to this certificate and the approved aerodrome manual.

This certificate shall remain valid for an unlimited duration, unless it is surrendered, suspended or revoked.

Date of original issue:.....

Revision No:.....

Signed:.....

For the competent authority [COMPETENT AUTHORITY IDENTIFICATION]



# Conclusions

## CERTIFICATION BASIS



- **Harmonised process**
- **Certificate issued by the NAA**
- **Common ADR rules; 1<sup>st</sup> ever**



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

# Thank you

[predrag.sekulic@easa.europa.eu](mailto:predrag.sekulic@easa.europa.eu)

Your safety is our mission.  
[easa.europa.eu](http://easa.europa.eu)

22 May 2012