



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

EASA Conference  
on future aerodrome safety rules

# Steps to the new certificate I WORKSHOP

Predrag SEKULIC

Your safety is our mission.

22 May 2012



## **CB: applicable CSs, ELOS, SC certification - What and how -**



# CB development – sources

## ➤ **Basic Regulation:**

- ADR certification basis – Article 8a only
- ADR certification (process) – Article 8a only

## ➤ **NPA:**

### ➤ **Cover Regulation**

- Conversion of certificate – Article 6
- Deviation from CS – Article 7

### ➤ **NPA AR (IR, AMC, GM) – CB & Certification**

### ➤ **NPA OR (IR, AMC, GM) – CB & Certification**

### ➤ **NPA Book 1 & 2 (CS, GM) – CB**



# CB development - Kolndorf example

EASA CERTIFICATION BASIS		KOLNDORF AERODROME			Attachment A
Precision Approach Runway Cat IIIa Parallel TWY A leading from apron to the runway Aerodrome reference code 4E The aerodrome is bounded by: <ol style="list-style-type: none"> <li>1. Sea, north of the RWY at a distance of 450m from RWY C<sub>L</sub></li> <li>2. Hill, 150m high, south of the RWY at a distance of 4 km from RWY C<sub>L</sub></li> <li>3. Cliff, starting 650m from the beginning of RWY 09</li> </ol>					
RUNWAYS		09	27	TWY A	Comments
CS ADR DSN.xxx	Number, siting and orientation of runways				
CS ADR DSN.xxx	Choice of maximum permissible crosswind components				
CS ADR DSN.xxx	Data to be used				
CS ADR	Runway threshold	Y	Y		

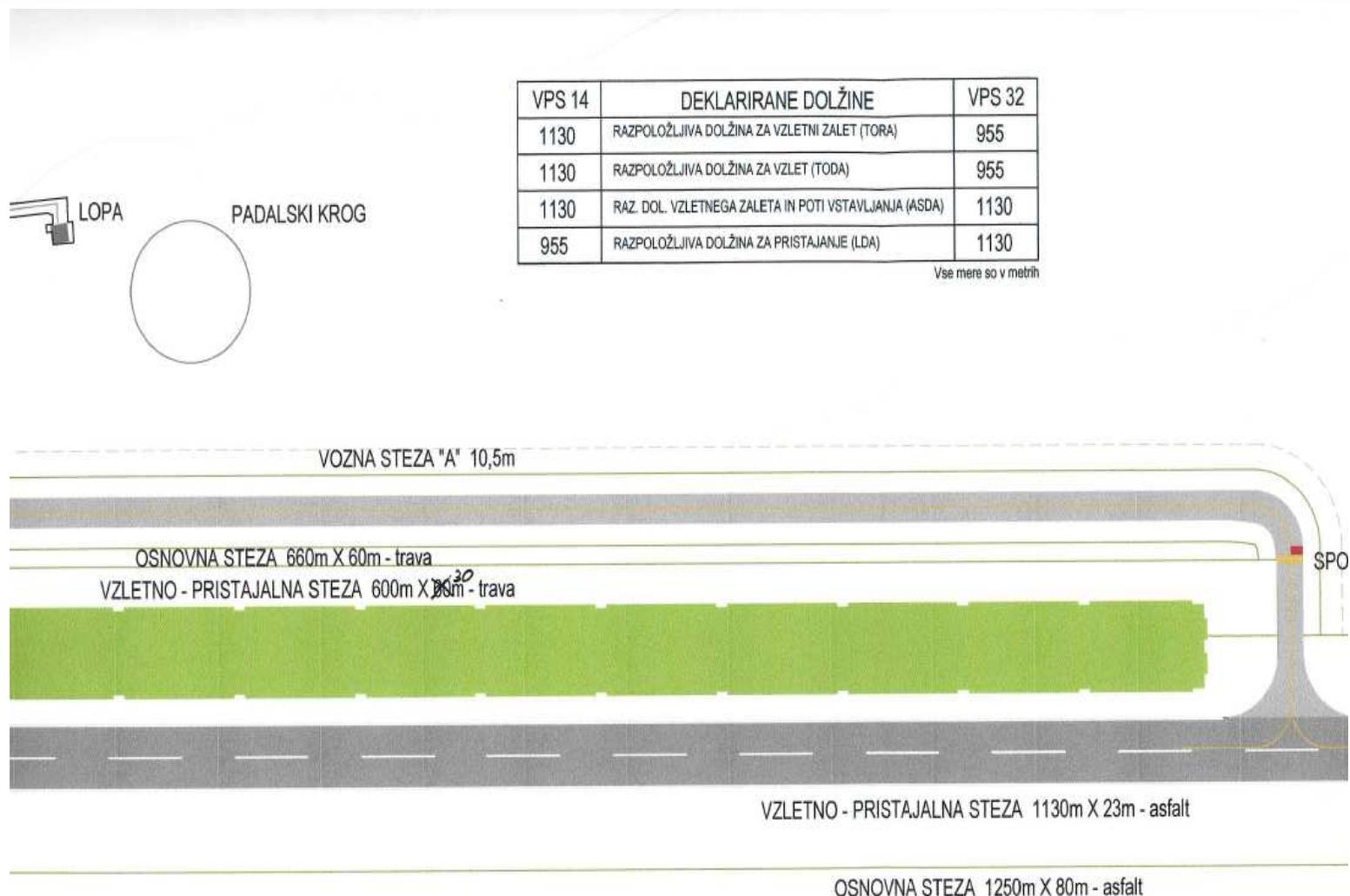


# CB development – listing CS example

<b>2.0</b>	<b>Physical Characteristics</b>	YES	NO	N/A
1	RWY orientation			
2	Threshold position and markings			
3	RWY length			
4	Secondary runway availability			
5	SWY or CWY availability			
6	Runway width, Normal code 1,2,3 or 4 is                      actual is			
7	Parallel RWY available			
8	Minimum parallel distance adapted for traffic is			
9	Slopes on RWY			
10	Longitudinal slopes, total (3-4-1%, 1-2 2 %)			
11	Slope portionally (3-1, 5%, 4-1 25% and last_slope 0,8%)			
12	Consecutive slope changes (3-4 1,5%, 1-2 2%)			
13	Strength of runways adapted to critical ACN			
14	Runway shoulders (DE 60m)			
15	Slopes on runway shoulders (2.5%)			
16	RWY strips, Instrument RWYs			
17	Strip Length (2,3,4 60m, 30m Non Instr)			
18	Strip Width (3,4 300m, 1,2 150m)			



# CB Development – Design example





# 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	Operated by	
<b>R.A. AEROPORTUL CLUJ-NAPOCA</b> Cluj-Napoca, str. Traian Vuia nr. 149, jud. Cluj, România		
<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: Date of issue: 10 MAI 2012	
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:  
- vleugelvliegtuigen 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

Έχοντας υπόψη:

1. Τις διατάξεις της Σύμβασης Ανάπτυξης του νέου Διεθνούς Αεροδρομίου της Αθήνας στα Σπάτα, η οποία κυρώθηκε με το άρθρο πρώτο του Ν. 2938/85 (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.Δ/ΥΠΑ/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. Δ/ΥΠΑ/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. Δ/ΥΠΑ/401/13.2.2001 έγγραφο Διοικητή ΥΠΑ με το οποίο υποβλήθηκε στον Υπουργό Πιστοποίηση της Κοινότητας «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

Παϊντνια πλοχονα πρι ποστ  
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 URSL-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 predlagatelju 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

## REPUBBLICA ITALIANA



Ente Nazionale per l'Aviazione Civile

### CERTIFICATO DI AEROPORTO

Nr. I-010/APT

L'Ente Nazionale per l'Aviazione Civile,

certifica che l'aeroporto di

**BERGAMO - ORIO AL SERIO**

gestito da

**S.A.C.B.O. S.p.A.**

è conforme ai requisiti per la Certificazione dell'Aeroporto prescritti nel  
"Regolamento per la costruzione e l'esercizio degli aeroporti" ed è idoneo per le  
operazioni di traffico aereo commerciale, secondo le condizioni dell'allegata  
*Specifiche di Certificazione*

Il certificato non è trasferibile e non può essere ceduto.

Il periodo di validità del certificato ed i successivi rinnovi sono riportati nella "Specifiche di Certificazione".

Il Direttore Generale  
C.te Silvano Manera

Edizione 1  
30 novembre 2004



# EASA ADR Certificate

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]

NPA 2011-20 (B.I) 09/12/2011  
ANNEX I – Part-AR  
APPENDIX II

### APPENDIX II

[MEMBER STATE]  
A Member of the European Union<sup>7</sup>

### AERODROME OPERATOR 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>8</sup>] hereby certifies that:

[COMPANY NAME AND ADDRESS]

is authorised to operate aerodrome [NAME OF AERODROME(S)]<sup>9</sup>, 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 the aerodrome certificate and its approved aerodrome manual and the following appointed/nominated personnel:

*Accountable manager:*

*Safety management:*

*Compliance monitoring:*

*Aerodrome operational services and maintenance:*

Apron management services are provided by [specify name of service provider]. 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]



## Topics for the discussion:

- Application for a certificate
- Initiation of the certification process
- Certification Basis
- Certification process
- Certificate(s): new, conversion, change
- CS v.s. GM
- Special condition & ELOS
- AltMC
- **Your proposals**



## **Discussion is open !!**

- **NAA view ...**
- **Operator perspective ...**
  - **Your observation ...**



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



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
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EASA Conference  
on future aerodrome safety rules

# Steps to the new certificate II WORKSHOP

Gernot KESSLER

Your safety is our mission.

22 May 2012



## Steps to the new certificate 2

- Balanced, light migration and carry over
- Acceptance & Conversion
- DAAD
- Compliance check
- Transition time
- Local solutions to local problems
- Continuity and individuality



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

# Thank you

[gernot.kessler@easa.europa.eu](mailto:gernot.kessler@easa.europa.eu)

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[easa.europa.eu](http://easa.europa.eu)

22 May 2012