

**SIGURNOSNA  
INFORMACIJA**

**SAFETY INFORMATION**

**BROJ: 2018/002 Rev. 00**

**NUMBER: 2018/002 Rev. 00**



CRNA GORA  
AGENCIJA ZA CIVILNO VAZDUHOPLOVSTVO

**Naslov: Implementacija PBN-a**

*Title: PBN Implementation*

*Od primalaca se zahtijeva da kopija ove sigurnosne informacije bude prosljeđena svom osoblju kojem ova informacija može biti od koristi (uključujući sve unutrašnje organizacione jedinice i relevantne spoljne ugovorene organizacije).*

Na osnovu člana 6 stav 1 tačka 10 Zakona o vazдушnom saobraćaju („Službeni list CG“, br. 30/12 i 30/17), Agencija za civilno vazduhoplovstvo (u daljem tekstu: ACV) donijela je

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**Referentni propisi:**

- Zakon o vazдушnom saobraćaju („Službeni list CG“, br. 30/12 i 30/17),
- Pravilnik o posadi vazduhoplova („Službeni list CG“, br. 08/13, 23/14, 27/15 i 15/17), kojim je preuzeta Uredba Evropske komisije (EU) br. 1178/2011 (Uredba o posadi vazduhoplova) i
- Uredba Evropske komisije (EU) br. 539/2016 „Navigacija zasnovana na performansama“ (*Performance Based Navigation – PBN*), kojom se mijenja i dopunjava Uredba Evropske komisije (EU) br. 1178/2011

**Primjena:**

Ova Sigurnosna informacija primjenjuje se na odobrene organizacije za obuku, nosioce AOC-a, ispitivače i pilote

**Svrha:**

Svrha ove Sigurnosne informacije je da odobrenim organizacijama za obuku, nosiocima AOC, ispitivačima i pilotima obezbijedi dodatne informacije o primjeni Uredbe Evropske komisije (EU) br. 539/2016 „Navigacija zasnovana na performansama“ (*Performance Based Navigation – PBN*) koja mijenja Uredbu Evropske komisije (EU) br. 1178/2011 (Uredba o posadi vazduhoplova) a koje su preuzete u pravni sistem Crne Gore Pravilnikom o posadi

*Recipients are asked to ensure that copy of this Safety Information is provided to all members of their staff who may have an interest in the information (including any ‘in-house’ organisational units and relevant organisations outsourced under the contract).*

Pursuant to Article 6, paragraph 1, point 10 of the Law on Air Transport ("Official Gazette of Montenegro", No 30/12 and 30/17), the Civil Aviation Agency (hereafter: CAA), hereby issues

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**Regulation Reference:**

- Law on Air Transport ("Official Gazette of Montenegro", No 30/12 and 30/17),
- Regulation on air crew ("Official Gazette of Montenegro" No 08/13, 23/14, 27/15 and 15/17), transposing the European Commission Regulation (EU) No 1178/2011 (the Aircrew Regulation) and
- European Commission Regulation (EU) No. 539/2016 Performance Based Navigation (PBN), amending the European Commission Regulation (EU) No 1178/2011.

**Application:**

This Safety Information is applicable to the Approved Training Organisations, AOC holders, examiners and pilots.

**Purpose:**

The purpose of this Safety Information is to provide Approved Training Organisations, AOC holders, examiners and pilots with the further information on application of European Commission Regulation (EU) No 539/2016 Performance Based Navigation (PBN) amending the European Commission Regulation (EU) No 1178/2011 (the Aircrew Regulation) transposed into the legal system of Montenegro through Regulation on air crew ("Official Gazette of Montenegro" No 08/13, 23/14, 27/15 and 15/17).



vazduhoplova („Službeni list CG“ br. 08/13, 23/14, 27/15 i 15/17).

## 1. Uvod

Ovom Sigurnosnom informacijom obezbjeđuju se dodatne informacije o primjeni Uredbe Evropske komisije (EU) br. 539/2016 „Navigacija zasnovana na performansama“ (*Performance Based Navigation – PBN*).

## 2. Oblast primjene

Uredbom Evropske komisije (EU) br. 539/2016 „Navigacija zasnovana na performansama“ (*Performance Based Navigation – PBN*) propisano je da:

- poslije 25. avgusta 2018. godine piloti mogu da lete na PBN rutama i postupcima jedino ako su im PBN prava upisana u njihovo ovlašćenje za instrumentalno letenje (IR);
- poslije 25. avgusta 2020. godine svi piloti sa upisanim IR ili ovlašćenjem za instrumentalno letenje na ruti (*Enroute Instrument Rating – EIR*) moraju imati PBN prava.

## 3. Primjenljivost na vazduhoplovno osoblje

Za upis PBN prava piloti imaju dvije mogućnosti:

- 1) da obave PBN IR teorijsku i praktičnu obuku u odobroj organizaciji za obuku (ATO), koja uključuje polaganje teorijskog ispita. Polaganje teorijskog ispita prethodi polaganju praktičnog ispita ili provjere stručnosti koja uključuje primjenljive elemente PBN IR, sa ispitivačem autorizovanim za sprovođenje takvog ispita ili provjere; ili
- 2) da daju izjavu kojom potvrđuju da su upoznati sa PBN operacijama i da posjeduju teorijsko znanje. S tim u vezi, pilot polaže usmenu procjenu teorijskog znanja. Ova procjena prethodi i sastavni je dio polaganja praktičnog ispita ili provjere stručnosti koja uključuje primjenljive elemente PBN

## 1. Introduction

This Safety Information provides further information on the application of European Commission Regulation (EU) No 539/2016 Performance Based Navigation (PBN).

## 2. Scope

European Commission Regulation (EU) No 539/2016 Performance Based Navigation (PBN) stipulates that:

- after 25 August 2018 pilots may only fly in accordance with PBN routes and procedures after they have been granted PBN privileges as an endorsement to their Instrument Rating (IR);
- after 25 August 2020 all pilots with an IR or Enroute Instrument Rating (EIR) will need to have PBN privileges.

## 3. Applicability to Air Crew

To obtain a PBN endorsement pilots have two options:

- 1) to undertake PBN IR theoretical knowledge and practical training at an Approved Training Organisation (ATO), which includes passing a theoretical knowledge examination. The theoretical knowledge examination is followed by a Skill Test or Proficiency Check which includes the applicable PBN IR elements with an examiner authorised to conduct such test or check; or
- 2) to make a declaration confirming that the pilot is sufficiently familiar with PBN operations, including the theoretical knowledge elements. Regarding that matter, the pilot shall pass an oral theoretical knowledge assessment. This assessment is followed by and it is integral part of a Skill Test or Proficiency Check, which includes the applicable



IR, sa ispitivačem ovlaštenim za sprovođenje takvog ispita ili provjere.

Izjava kojom pilot potvrđuje da je upoznat sa PBN operacijama data je na obrascu iz Priloga 1 ove Sigurnosne informacije. Popunjen obrazac kandidat dostavlja prije pristupanja usmenoj procjeni teorijskog znanja i sprovođenja praktičnog ispita ili provjere stručnosti.

Uputstvo o proceduri autorizacije ispitivača, ispitivači mogu pronaći u okviru [Dokumentu o informisanju ispitivača](#).

### 3.1. Obuka u okviru ATO

Ukoliko pilot obavi obuku u ATO (odobroj organizaciji za obuku od strane ACV, EASA ili države članice EASA-e), treba da bude siguran da obuka koju sprovodi ATO, ima odobrenje za sprovođenje IR ili EIR obuke i koja je ažurirala svoj program obuke i uključila elemente PBN-a.

Pilot mora da zadržati kopiju potvrde o završenoj obuci koja je izdata od strane ATO-a, zajedno sa obrascem izjave o poznavanju PBN-a i mora ih priložiti ispitivaču prije pristupanja polaganju praktičnog ispita ili provjere stručnosti.

Kopije potvrda i obrazac izjave, sa izvještajem ispitivača, dostavljaju se ACV-u. Ispitivači su dužni da čuvaju kopije, a ACV preporučuje da i piloti čuvaju kopije.

Ovlašteni ispitivači mogu pronaći dodatna uputstva u okviru [Dokumenta o informisanju ispitivača](#).

### 3.2. Izjava o poznavanju PBN operacija

Podsjećaju se piloti da su odgovorni da se osposobe za obavljanje PBN operacija, sa odgovarajućim nivoom kompetencija, prije početka obavljanja operacija na rutama ili postupcima koji zahtijevaju upotrebu RNAV sistema u cilju ispunjavanja PBN navigacionih specifikacija na tim rutama ili postupcima. Prilikom davanja izjave o poznavanju PBN operacija, piloti se prethodno moraju dovoljno upoznati sa

PBN IR elements, with an examiner authorised to conduct such test or check.

The declaration where the pilot confirms that he/she is familiar with PBN operations is provided at the form referred to in Attachment 1 to this Safety Information. The candidate shall submit the filled form prior to attempting the oral theoretical knowledge assessment and the Skill Test or Proficiency Check.

Examiners should refer to [Examiner Differences Document](#), for guidance on their authorisation process.

### 3.1. Training at ATO

If the pilot undertakes training at an ATO (training organisation approved by either Montenegro CAA, EASA or EASA Member State), the pilot must ensure that all training undertaken is conducted at an ATO that holds an approval to conduct IR or EIR instrument training and has updated its syllabus to include the PBN elements.

The pilot must retain a copy of the course completion certificate issued by the ATO, along with the PBN declaration form and must provide these as evidence to the examiner prior to attempting the Skill Test or Proficiency Check.

Copies of these forms, together with the Examiner's Report, must be submitted to the CAA. Examiners must retain copies, and the CAA recommends that the pilots also retain copies.

Certificated examiners should refer to [Examiner Differences Document](#) for further guidance.

### 3.2. Declaration of PBN Familiarity

All pilots are reminded of their responsibility to ensure that they are capable of operating at an appropriate level of competence in PBN operations, prior to operating on routes or procedures that require use of RNAV systems to meet PBN navigation specifications on relevant routes or procedures. Before making a declaration confirming that the pilot is familiar with PBN operations, pilots must be



odgovarajućim oblastima znanja. Spisak odgovarajućih oblasti znanja se nalazi u okviru AMC7 FCL.615(b).

Pilot mora priložiti obrazac PBN izjave ispitivaču u vrijeme podnošenja prijave za usmenu procjenu teorijskog znanja, i to prije praktičnog ispita ili provjere stručnosti. Sadržaj usmene procjene teorijskog znanja je diskreciono pravo ispitivača. Pilot mora dokazati znanje iz AMC7 FCL.615(b).

Usmena procjena teorijskog znanja može trajati i do dva sata. Neuspješna usmena procjena teorijskog znanja znači da kandidat nije položio praktični dio ispit ili provjeru stručnosti u potpunosti ili djelimično, prije provjere elementa koji se tiču letenja.

Kopija obrasca izjave i izvještaja ispitivača mora se dostaviti ACV-u. Ispitivači moraju čuvati kopije, dok ACV preporučuje da i piloti čuvaju kopije.

#### **4. Primjenljivost za odobrene organizacije za obuku**

Sve odobrene organizacije za obuku (ATO) koje sprovode obuku za dodavanje PBN prava prije 25. avgusta 2020. godine moraju obezbjediti da obuka ispunjava uslove i zahtjeve za praktično i teorijsko znanje propisane Pravilnikom o posadi vazduhoplova („Službeni list CG“ br. 08/13, 23/14, 27/15 i 15/17).

ATO-i moraju podnijeti zahtjev i izmijenjene priručnike ACV-u na odobravanje, uključujući i njihov predloženi program obuke prije početka sprovođenja obuka.

Kao referentni materijal, ATO treba da koristi EASA ciljeve učenja (AMC7 FCL.615 (b)), kao i ICAO Doc 9613, koji pruža dodatne smjernice za potrebno znanje i obuku pilota.

Svi ATO-i koji sprovode obuku za IR ili EIR moraju obezbijediti da su ponuđeni kursevi koji se završavaju 25. avgusta 2020. godine ili kasnije u skladu sa zahtjevima iz

sufficiently familiar with appropriate areas of knowledge. The list of appropriate areas of knowledge is included in AMC7 FCL.615(b).

The pilot must submit the PBN declaration form to the examiner at the time of undertaking the oral theoretical knowledge assessment, prior to attempting the skill test or proficiency check. The content of the oral assessment is at the discretion of the examiner. The pilot must demonstrate knowledge from the area covered with AMC7 FCL.615(b).

The oral assessment may take up to two hours. Failing the oral assessment means that the skill test or proficiency check is failed, or partially failed, prior to the assessment of flight elements.

A copy of the declaration form and the Examiner's Report must be submitted to the CAA of Montenegro. Examiners are obliged to retain copies, and the CAA recommends that the pilots also retain copies.

#### **4. Applicability for Approved Training Organisations**

All Approved Training Organisations (ATO) conducting training for the addition of PBN privileges before 25 August 2020 must ensure that the training satisfies the flight and theoretical knowledge requirements laid down in the Regulation on air crew (“Official Gazette of Montenegro” No 08/13, 23/14, 27/15 and 15/17).

ATOs must submit their application and amended ATO Manual(s) to the CAA for approval, including their proposed training syllabus before they conduct the training.

As reference material, the ATO should refer to EASA Learning Objectives (AMC7 FCL.615(b)), as well as to ICAO Doc 9613, which provides additional guidance for pilot knowledge and training.

All ATOs conducting training for the IR or the EIR must ensure that the IR training courses they offer are compliant with the requirements referred to in Annex I (Part-FCL) to



Priloga 1 Pravilnika o posadi vazduhoplova („Službeni list CG“ br. 08/13, 23/14, 27/15 i 15/17).

Glavni rukovodilac obuke (HT) odgovoran je i dužan da obezbijedi da svi instruktori u ATO budu obučeni i imaju upisana PBN prava u svojim dozvolama, prije početka sprovođenja PBN obuke.

Certifikat o završenom kursu, kojim se potvrđuje da je pilot dobio odgovarajuća tehnička znanja i obuku u letu, prema potrebi, mora biti priložen ispitivaču prije sprovođenja praktičnog ispita ili provjere stručnosti.

#### **5. Primjenljivost na nosioce sertifikata vazdušnog operatera**

Svi nosioci AOC-a treba da obezbijede da svi angažovani piloti imaju odgovarajuću PBN obuku i provjeru u skladu sa specifičnim operacijama koje obavljaju.

Svi nosioci AOC-a koji obavljaju PBN operacije treba da obezbijede da njihov Program periodične obuke uključuje provjeru kompetencija tokom provjere stručnosti operatora (OPC). Vidjeti AMC1 ORO.FC.230 (b) (1).

Operatori moraju da obezbijede da se svaka obuka za angažovane pilote sprovodi u ATO-u koji ima odgovarajuće odobrenje za sprovođenje PBN obuke.

#### **6. Administrativni postupak upisa ovlaštenja u dozvolu**

Prilikom podnošenja zahtjeva za izdavanje dozvole, ovlaštenja ili sertifikata u isto vrijeme sa podnošenjem zahtjeva za upis PBN prava, pilot treba da dostavi, uz odgovarajući obrazac (FCL-FRM-001), i sertifikat o završenom kursu i izvještaj ispitivača kojima se potvrđuje da su elementi PBN-a uspješno završeni.

Ovlašćeni ispitivači mogu pronaći sva uputstva u okviru [Dokumenta o informisanju ispitivača](#).

the Regulation on air crew (“Official Gazette of Montenegro” No 08/13, 23/14, 27/15 and 15/17), if the courses are due to complete on or after 25 August 2020.

The Head of Training (HT) at the ATO is responsible for ensuring that all their instructors are trained and hold the PBN endorsement on their licenses, before they provide PBN instruction.

A Course Completion Certificate that confirms the pilot has received the required technical knowledge and flight training, as applicable, must be presented to the examiner before the Skills Test or proficiency check is undertaken.

#### **5. Applicability to Air Operator Certificates holders**

All AOC holders should ensure that all their engaged pilots have received the appropriate PBN training and checking in accordance with their specific operations.

All AOC holders who conduct PBN operations should ensure that their Recurrent Training Syllabus includes a check of competency during the Operators Proficiency Check (OPC). Please refer to AMC1 ORO.FC.230(b)(1).

Operators must make sure that all training for engaged pilots is conducted at an ATO that holds appropriate approval for PBN training.

#### **6. Administrative procedure of endorsing rating into the licence**

When making an application for any licence, rating or certificate at the same time as applying to obtain a PBN endorsement, the pilot shall submit, along with the appropriate form (FCL-FRM-001), the appropriate course completion certificate and Examiner Report indicating that the PBN elements have been completed successfully.

Certificated examiners should refer also to [Examiner Differences Document](#) for further guidance.

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<b>7. Stupanje na snagu</b>  Ova Sigurnosna informacija stupa na snagu danom donošenja, a primjenjivaće se narednog dana od dana objavljivanja na internet stranici ACV.		<b>7. Entry into Force</b>  This Safety Information shall enter into force on day of its adoption, and shall apply on the day following its publication on the Civil Aviation Agency's site.	
<b>Direktor / Director</b> <b>Dragan Đurović</b>		<b>Datum / Date</b>	

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**ATTACHMENT 1 / PRILOG 1**

	<b>DECLARATION FORM</b> <i>PBN PRIVILEGES</i> <b>IZJAVA</b> <i>PBN PRÁVA</i>	<b>FCL-FRM-014</b>
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<b>1</b>	<b>Personal Details</b> Lični podaci	<b>to be fulfilled by the candidate</b> popunjava kandidat
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<i>Candidate's last Name(s)</i> Prezime kandidata	
<i>Candidate's first name(s)</i> Ime kandidata	
<i>Candidate's Personal Number</i> JMBG (broj pasoša) kandidata	
<i>Candidate's date of birth</i> Datum rođenja kandidata	
<i>Candidate's place of birth</i> Mjesto rođenja kandidata	
<i>Candidate's nationality</i> Državljanstvo kandidata	
<i>Candidate's Address</i> Adresa kandidata	

<i>Medical certificate issued by:</i> Ljekarsko uvjerenje izdato od:	<i>Medical Certificate NO</i> Broj Ljekarskog uvjerenja	<i>Class of medical certificate</i> Klasa Ljekarskog uvjerenja					
		<i>Class 1</i>	<input type="checkbox"/>	<i>Class LAPL</i>	<input type="checkbox"/>	<i>Medical assessment</i> Procjena zdravstvenog stanja	<input type="checkbox"/>
		<i>Class 2</i>	<input type="checkbox"/>				

**Note:**

Your Medical Certificate must be valid on the licence issue date. A licence will not be issued to any person unless their medical records supporting their Part-MED medical certificate are held by an Aeromedical Centre or AME located in the Montenegro. European Commission Regulation (EU) No. 1178/2011as amended, requires that an individual has all of their licences administered by the National Aviation Authority that holds the his/her medical records (Part-MED.A.030 and Part-FCL.015).

**Napomena:**

Vaše Ljekarsko uvjerenje mora biti važeće na dan izdavanja. Dozvola neće biti izdata licu ukoliko se njegovi zdravstveni izvještaji na osnovu kojih je izdato Ljekarsko uvjerenje ne nalaze u Centru za pregled vazduhoplovnog osoblja smještenog na teritoriji Crne Gore. Pravilnik o posadi vazduho plova zahtijeva da osobe moraju sve svoje dozvole održavati u nacionalnim vazduhoplovnim vlastima koje posjeduje Ljekarsku istoriju (Part-MED.A.030 i Part-FCL.015).

<i>Type of licence held: (if applicable)</i> Tip dozvole koju posjeduje: (ukoliko je primjenljivo)	
<i>Licence number: (if applicable)</i> Broj dozvole: (ukoliko je primjenljivo)	
<i>State of licence issue: (if applicable)</i> Država izdavanja dozvole: (ukoliko je primjenljivo)	

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**Declaration of compliance according to Article 4a of Commission Regulation (EU) No. 1178/2011:  
Izjava o usaglašenosti sa zahtjevima iz Člana 4a Pravilnika o posadi vazduhoplova („Službeni list CG“ br. 08/13,  
23/14, 27/15 i 15/17):**

*I hereby declare that I meet the requirements laid down in Article 4a of Commission Regulation (EU) No. 1178/2011 regarding PBN privileges by (tick appropriate boxes):*

*Having completed a theoretical knowledge and flight training course in PBN at an ATO with a copy of the Course Completion Certificate attached to this document.*

*or*

*Previous training and/or familiarity with PBN operations through either:*

*Flying RNAV and RNP approach operations for an operator.*

*or*

*Previous familiarity with RNAV and RNP approach operations.*

*I hereby declare that the above details given and on additional pages are true and correct. I am aware of that any incorrect information could disqualify me as an applicant from being granted a licence, certificate, rating, authorisation or attestation, as well as that I was cautioned in terms of Article 389 Criminal Code of Montenegro (“Official Gazette of Montenegro” No 40/08, 25/10, 32/11 and 40/13).*

Ovim potvrđujem da su gore navedeni detalji istiniti i tačni. Svjestan sam da je bilo koja netačna informacija može da me diskvalifikuju kao kandidata za izdavanje dozvole, certifikata, ovlašćenja, autorizacije ili potvrde, kao i da sam upoznat sa članom 389 Krivičnog zakonika („Službeni list CG“ broj 40/08, 25/10, 32/11 i 40/13).

Contact e-mail:

Kontakt mail adresa:

Contact telephone:

Kontakt telefon:

Location and date:

Mjesto i datum:

Signature:

Potpis: