



Direction de l'Aviation Civile
Grand-Duché de Luxembourg

Note on the implementation of PBN privileges for holders of Luxembourgish licences

1) General:

This note gives information on the implementation of European Commission Regulation (EU) No. 539/2016 on Performance Based Navigation (PBN) that amends European Commission Regulation (EU) No. 1178/2011 (the Aircrew Regulation).

A new article 4a was added to the Aircrew Regulation:

1. Pilots may only fly in accordance with performance-based navigation ("PBN") procedures after they have been granted PBN privileges as an endorsement to their instrument rating ("IR").

2. A pilot shall be granted PBN privileges where he or she fulfils all of the following requirements:

(a) the pilot has successfully completed a course of theoretical knowledge including PBN, in accordance with FCL.615 of Annex I (Part-FCL);

(b) the pilot has successfully completed flying training including PBN, in accordance with FCL.615 of Annex I (Part-FCL);

(c) the pilot has successfully completed either a skill test in accordance with Appendix 7 to Annex I (Part-FCL) or a skill test or a proficiency check in accordance with Appendix 9 of Annex I (Part-FCL).

3. The requirements of paragraph 2(a) and (b) shall be deemed to have been fulfilled where the competent authority considers that the competence acquired, either through training or from familiarity with PBN operations, is equivalent to the competence acquired through the courses referred to in paragraph 2(a) and (b) and the pilot demonstrates such competence to the satisfaction of the examiner at the proficiency check or skill test referred to in paragraph 2(c).

4. A record of the successful demonstration of competency in PBN shall, upon completion of the skill test or the proficiency check referred to in paragraph 2(c), be entered in the pilot's logbook or equivalent record and signed by the examiner who conducted the test or check.

The new PBN regulations will require:

- That from 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);
- All pilots with an IR or Enroute Instrument Rating (EIR) will need to have PBN privileges after the 25 August 2020.

2) To obtain a PBN endorsement pilots have two options:

(1) Undertake PBN IR theoretical knowledge and practical training at an Approved Training Organisation (ATO), which includes passing a theoretical knowledge examination prior to passing



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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) Make a declaration confirming that the pilot is sufficiently familiar with PBN operations, including the theoretical knowledge elements. Also pass an oral theoretical knowledge assessment prior and in addition to, passing a Skill Test or Proficiency Check which includes the applicable PBN IR elements, with an examiner authorised to conduct such test or check.

For the declaration, DAC has developed a form, available in our forms collection on the DAC website.

The pilot must present the PBN declaration form to the examiner at the time of undertaking the oral theoretical knowledge assessment. This must be prior to attempting the skill test or proficiency check. The content of the oral assessment is at the discretion of the examiner but will cover the areas of knowledge defined in AMC7 FCL.615(b) (starting from section 062 07 00 00).

The oral assessment may take up to 2 hours. Failing the oral element test may mean that the flight test is failed or partially failed prior to the flight element taking place.

Alternatively, the ATO / AOC may confirm the pilot's compliance with the PBN requirements by establishing a certificate covering all necessary information. (This has to be approved by DAC beforehand)

A copy of the declaration form / certificate and the Examiner's Report must be submitted to the DAC. Examiners are required to retain a copy and DAC recommends that the pilot also keeps a copy.

For pilots not scheduled for an LPC or Skill Test before the deadline, an OPC or specific training session will also be accepted.

3) "Grand-Father rights" for pilots employed by an Operator:

In order to confirm that their pilots are eligible for the procedure described in point 2 above, operators are invited to provide a letter confirming the compliance of their OM D with the requirements of AMC7 FCL.615(b) (starting from section 062 07 00 00)

4) Endorsement:

In accordance with EASA instructions, PBN privileges will not be endorsed on Luxembourgish Part-FCL licences.



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After the checkflight described above, an entry shall be made in the pilot's logbook as follows:

“PBN-approved” + type of approaches trained/assessed (LNAV/LNAV-VNAV/LPV)

**“PBN-instructor approved” + type of approaches trained/assessed (LNAV/LNAV-VNAV/LPV)
for holders of an FI-IR(A), IRI(A), or CRI(A) instructor privileges**

**“PBN-examiner approved” + mention of the type of approaches trained/assessed
(LNAV/LNAV-VNAV/LPV) for holders of examiner privileges**

A remark “Instrument Rating includes PBN Endorsement” shall be entered into the “remarks” box on the checkform.

DAC shall enter a note concerning PBN privileges in the pilot's file in our licencing software.

Non-DAC examiners endorsing PBN privileges in the logbooks of holders of Luxembourgish licences shall provide evidence of their PBN-examiner privileges endorsed in accordance with their competent Authority's instructions.

DAC examiners checking non-DAC licencing holders shall comply with the guidelines of the pilot's competent Authority concerning checking and endorsement instructions.

- 5) Transitory measures for the PBN-training of Instrument Rating Instructors FI/IR-IRICRI/TRI,
and Instrument Rating Examiners IRE/CRE/TRE:**
- a. within an ATO (general aviation):**

DAC will credit a number of instrument rating instructors and examiners with the appropriate prior training and experience for initial General Aviation PBN-training and checking. The list is published on the DAC website. These instructors and examiners may provide the future theoretical and practical training for IR-holders, instrument rating instructors (FI-IR, IRI, CRI & TRI) and instrument rating examiners (IRE/CRE/TRE) not holding PBN-privileges.

These instructors and examiners will have their PBN logbook endorsement made by a DAC Inspector. Please contact the Licencing Office to arrange your endorsement.

- b. For AOC holders:**

DAC will issue a list of TRIs and TREs approved to conduct PBN checks within AOCs.

Their PBN endorsements will be done by the Head of Training / Nominated person for Crew Training, or their deputy. Copies shall be provided to the Licencing Office.

For any further questions, please contact the DAC Licencing Office.

