
Agencija za civilno letalstvo
Slovenija



Civil Aviation Agency
Slovenija

Janez Prhavic, Letalski nadzornik

ZAHTEVE ZA INŠTRUKTORJE V ORGANIZACIJI ODOBRENI PO DELU 147

Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- V naslovu so navedeni samo inštruktorji, vendar se predstavitev nanaša tudi na ocenjevalce in presojevalce poleg inštruktorjev.
- Zahteve ki jih morajo izpolnjevati inštruktorji, ocenjevalci in presojevalci so določene v Uredbi Komisije (EU) št. 1321/2014 z dne 26. novembra 2014 o stalni plovnosti zrakoplovov in letalskih izdelkov, delov in naprav ter o potrjevanju organizacij in osebja, ki se ukvarjajo s temi nalogami in njenimi spremembami.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **Zahteve so navedene v členu 147.A.105:**
- (c) Organizacija za usposabljanje za vzdrževanje sklne pogodbo z dovolj velikim številom osebja za načrtovanje/opravljanje usposabljanja za pridobitev znanj in praktičnega usposabljanja, vodenje izpitov za preverjanje znanja in ocenjevanje praktičnega dela v skladu z odobritvijo.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- (d) Z odstopanjem od točke (c), ko se za zagotovitev praktičnega usposabljanja in ocenjevanja uporabi druga organizacija, se lahko osebje te druge organizacije imenuje za izvajanje praktičnega usposabljanja in ocenjevanja.
- (e) Posamezna oseba lahko opravlja kakršno koli kombinacijo vlog inštruktorja, izpraševalca in ocenjevalca, pod pogojem da izpolnjuje točko (f).
- (f) Izkušnje in kvalifikacije inštruktorjev, izpraševalcev in ocenjevalcev praktičnega dela se določijo v skladu z objavljenimi merili ali po postopku in standardu, dogovorjenem s pristojnim organom.
- (g) V priročniku organizacije se za sprejem tega osebja opredili izpraševalce in ocenjevalce praktičnega dela.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **Nekaj zahtev je zgoraj, v AMC-jih in GM-jih so dodatne razlage:**



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **GM to 147.A.105(c) Personnel requirements**
- The maintenance training organisation should have a nucleus of permanently employed staff to undertake the minimum amount of maintenance training proposed but may contract, on a part-time basis, instructors for subjects which are only taught on an occasional basis.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **AMC 147.A.105(f) Personnel requirements**
- Any person currently accepted by the competent authority in accordance with the national aviation regulations in force prior to Part-147 coming into force may continue to be accepted in accordance with 147.A.105(f).
- Paragraph 3 of Appendix III to AMC to Part-66 provides criteria to establish the qualification of assessors.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **Appendix III – Evaluation of the competence: assessment and assessors**
- This Appendix applies to the competence assessment performed by the designated assessors (and their qualifications).



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **3) Who should assess**

- In order to qualify, the assessor should:
 - — Be proficient and have sufficient experience or knowledge in:
 - — human performance and safety culture;
 - — the aircraft type (necessary to have the certifying staff privileges in case of CRS issuances);
 - — training/coaching/testing skills;
 - — instructional tools to use;



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- — Understand the objective and the content of the practical elements of the training that is being assessed;
 - — Have interpersonal skills to manage the assessment process (professionalism, sincerity, objectivity and neutrality, analysis skills, sense of judgement, flexibility, capability of evaluating the supervisor's or instructor's reports, handling of trainee's reactions to failing assessment with the cultural environment, being constructive, etc.);
- Be ultimately designated by the organisation to carry out the assessment.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- The roles may be combined for:
 - — the assessor and the instructor for the practical elements of the Type Rating Training; or
 - — the assessor and the supervisor for the On-the-Job Training.
- priveden that the objectives associated to each role are clearly understood and that the competence and qualification criteria according to the company's procedures are met for both functions. Whenever possible (depending on the size of the organisation), it is recommended to split the roles (two different persons) in order to avoid any conflicts of interests.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **GM to 147.A.105(f) Personnel requirements**
- It is recommended that potential instructors be trained in instructional techniques



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **GM to 147.A.105(g) Personnel requirements**
- Examiners should demonstrate a clear understanding of the examination standard required by Part-66 and have a responsible attitude to the conduct of examinations such that the highest integrity is ensured.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- Zahteve (standard) so določene v kontrolni listi priročnika organizacije za usposabljanje (AIR.CHK-000043 na straneh 17 do 28) , ki je objavljena na spletni strani Agencije. Od 9.5.2016 je v veljavi verzija 1 omenjene kontrolne liste ,ki vsebuje vse zgoraj naštete zahteve in napotke zbrane na enem mestu.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- **V njej so določene zahteve za :**
- Osnovno usposabljanje :
- Inštruktorje za teoretični del osnovnega izobraževanja za module od 1 do 17.
- Inštruktorje za praktični del osnovnega izobraževanja.
- Ocenjevalce teoretičnega dela osnovnega izobraževanja.
- Presojevalce praktičnega dela osnovnega izobraževanja.



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- Primer : inštruktor za teoretični del osnovnega izobraževanja za module 1 do 4.
- Zahteve so sestavljene iz: zahtev za znanje posameznega področja (Speciality requirements) , pedagoška znanja (Pedagogical skills) , ostala znanja (Other knowledge) in posebne izkušnje (Speciality Experience)



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

Basic Training - Theoretical elements instructors: Modules 1,2,3,4		
Qualification/ experience	Acceptable mean of compliance	Comments/ limitations
Specialty knowledge	<p>-option 1: Knowledge level attested by a school specialty diploma* that is recognised by the local Authorities, or an acceptable equivalent,</p> <p>or</p> <p>-option 2: EASA Part 66 Basic Licence endorsing the category (ie B1 for B1 instructors)</p> <p>or</p> <p>-option 3: Part 147 Certificates of recognition (training + exam) for the modules to be taught, at the appropriate level (ie Module 1 level 2 for a B1/B2 instructor in module 1 class)**. The scope of instruction will be limited to the passed modules.</p>	<p>*i.e. college, university etc... the diploma's specialty must be consistent with the modules to be taught (the curriculum must include the appendix 1 sub-modules), and the level of the studies must be adapted to the level (1, 2 or 3) of the modules to be taught.</p> <p>**In order to avoid conflicts of interest, the Part 147 <u>exam</u> should not be attended in the Part 147 organisation where the instructor is to exercise its privileges unless specific measures are taken and accepted by the surveyor to demonstrate that the integrity of the examination is ensured.</p>



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

Qualification/ experience	Acceptable mean of compliance	Comments/ limitations
Pedagogical skills	<p>-option 1: Instructor Certificate delivered by a legal entity *</p> <p>or</p> <p>-option 2: completion of a "Train the trainer course"</p> <p>or</p> <p>-option 3: Assessment performed and documented by the Training Organisation's Training Manager if himself appropriately qualified as instructor and in accordance with an MTOE procedure.</p> <p><u>and</u></p> <p>Accepted by the Competent Authority following an in-situ audit in real training conditions.</p>	<p>*When the detention of such a certificate is imposed by the national authority of the country where the instructor will exercise his privileges, it should be demonstrated that the certificate is acceptable for this authority, in particular when the certificate was issued in another country.</p>
Other Knowledge	<p>- A documented familiarisation with the specific training procedures and requirements (ie organisation of courses, attendance etc...) as described in the approved Training organisation's exposition (MTOE).</p>	
Specialty Experience	<p>nil *</p>	<p>*: however practical experience in A/C maintenance, design or production activities is advantageous; the advantage for the instructor is to understand the practical applications of a scientific knowledge and therefore to better appreciate the knowledge that the student must receive (ie for a mathematics instructor, the practical applications may be the reading of inflation charts, the conversation of units (metric system...) or determination of a centre of gravity etc...)</p>



Zahteve za inštruktorje v organizaciji odobreni po Delu 147

- Vprašanja ?

