



EASA
European Aviation Safety Agency

9th Rotorcraft Symposium

Personnel Carrying Device System (PCDS)

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3 December 2015

Your safety is our mission.

An agency of the European Union 

TE.GEN.00409-001



Reminder: EASA scope

- Article 1(2) of Basic Regulation excludes from the Agency's scope aircraft involved in military, customs, police, search and rescue, fire fighting, coastguard... missions
- Mountain rescue, although not particularly mentioned in the a.m. article 1(2) of BR, is outside the scope of EASA.
- More information on EASA website:
<http://easa.europa.eu/faq/19236>



PCDS: What EASA does not regulate



(Mountain)
Rescue



Police
Military
Coastguards



Customs
Firefighting



PCDS: What EASA regulates



The
rest...





➤ FAR/CS 27/29.865 – External loads

(c) For rotorcraft load combinations to be used for human external cargo applications, the rotorcraft must:

...

(2) Have a reliable, approved personnel carrying device system that has the structural capability and personnel safety features essential for external occupant safety.

...



Certification Memorandum

- CM-CS-005 published in December 2014
- CM-CS-005 principles
 - Clear definition of « simple PCDS »
 - Approval of simple PCDS as Minor change
 - Reliance on EU standards
 - Directive (EC) 89/686/EEC (Personal Protective Equipment)
 - Directive (EC) 2006/42/EC (Machinery Directive)



Certification Memorandum

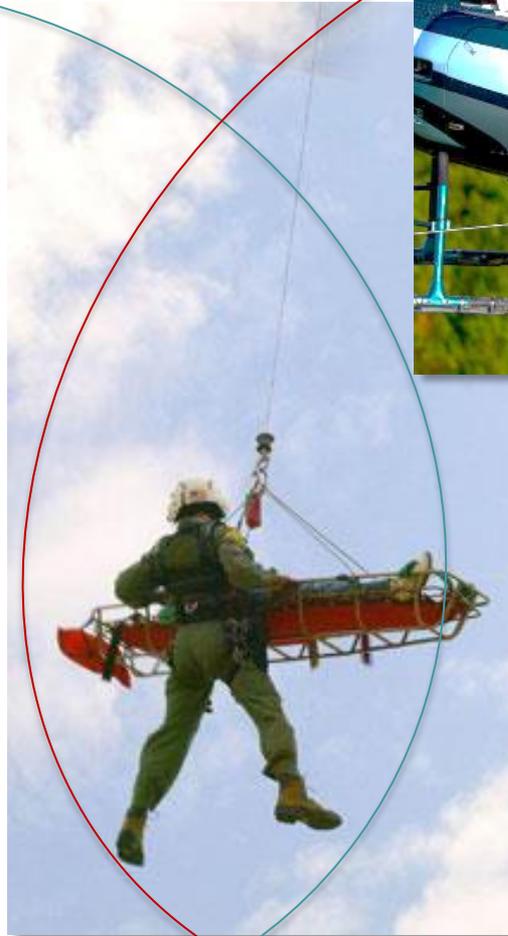
- CM-CS-005 principles
 - Addresses also PCDS for hoist operators in cabin
 - ICA
 - Helicopter hook/PCDS compatibility
 - Alternative Approval route of simple PCDS under “OPS” was initially conceived but eventually withdrawn because conflicting with current CS 27/29.865 text



Simple vs Complex PCDS



SIMPLE



COMPLEX



Proposed AD 15-117

- Was issued to address simple PCDS not yet approved (catch-up)
- Based on technical requirements of CM-CS-005
- 3 year compliance time
- ~100 comments received from 29 commenters

- Will be finally withdrawn



Options for next steps

- Future change in CS 27/29.865 and related advisory material
 - Introduction of “simple PCDS” definition in CS 27/29.865
 - Simple PCDS explicitly excluded from CS 27/29.865
 - Lead time 3-5 years?
- Change in Air OPS?
- Coordination with the FAA and TCCA



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THANK YOU

Any questions?

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