



CAT Helicopters Commercial Operations other than CAT

**Workshop CAA Finland
Helsinki, 4 March 2009**



AGENDA

- 1. Commercial Air Transport - Helicopters
(Highlights)**
 - 2. Commercial operations other than
commercial air transport (aerial work)**
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1. Commercial Air Transport - Helicopters (Highlights)



Performance

- **OPS.CAT Section III - Aircraft performance and operating limitations**

 - **Helicopter performance:**
 - ★ **All provisions from JAR-OPS 3 transferred**
 - ★ **Split into 2 sections:**
 - ➔ Those generally applicable in OPS.CAT
 - ➔ Those with 'exposure' requiring specific approval in OPS.SPA.SFL
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Performance

- **OPS.CAT.355.H Performance applicability**
 - ★ **Defining in which cases PC 1, 2 and 3 are required**
 - **OPS.CAT.360.H Performance General**
 - ★ **Mass limitations**
 - **OPS.CAT.365.H Obstacle accountability**
 - **OPS.CAT.370.H Flight hours reporting**
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Performance

- **OPS.SPA.SFL transposes elements relating to 'exposure' contained in:**
 - ★ **JAR-OPS 3 amendment 5, in particular:**
 - ➔ Appendices to 3.005 (c), (d), (e) and (i)
 - ➔ 3.517 and those requirements referring to it contained in subparts F (Performance general), H (PC 2) and I (PC 3)
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Performance

- **OPS.SPA.035.SFL Helicopter Flight Manual Limitations**
 - ★ contains the JAR-OPS 3 alleviation contained in Appendix 1 to JAR-OPS 3.005 (c):
'For helicopters certificated in Category A, a momentary flight through the height velocity (HV) envelope is allowed during the take-off and landing phases.'
 - For CS-29 helicopters the Height Velocity (HV) envelope is contained in the limitations section of the approved AFM and the alleviation therefore in conflict with Annex IV 4.a. of the BR
 - Issue is being studied (CS-29 RM task, legal assessment)
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Instruments, data and equipment

- **Appendices to JAR-OPS 3.005 for equipment have been included in OPS.GEN/CAT, except:**
 - ★ **carriage of supplemental oxygen when flying above 10 000 ft up to 16 000 ft (excursions of short duration up to 16 000 ft in Appendix 1 to JAR-OPS 3.005(f) para (d)(12))**

 - **Reasons:**
 - ★ **no definition of short duration**
 - ★ **criteria of pilots acclimatised to high altitudes is not objective**
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OPS.SPA.NVIS

- **JAR-OPS 3 amendment 5 introduced in 3.005 (j) the possibility to conduct VFR night operations with the aid of NVIS, provided a specific approval being obtained**
 - **JAA TGL 34 contained additional information and provisions to be met, as well as minimum training standards to be followed**
 - **Transposition in OPS.SPA.NVIS**
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OPS.SPA.HHO

- **Transposition of Helicopter Hoist Operations provisions contained in Appendix 1 to 3.005 (h)**
 - **In addition, draft JAA NPA-OPS 69 incorporated (Attachment C to explanatory note)**
 - ★ **Resulting from difficulties in interpretation and implementation of the Appendix**
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OPS.SPA.HEMS

- **Transposition of Helicopter Emergency Medical Services (HEMS) provisions contained in Appendix 1 to 3.005 (d)**
 - **HSST-WP-07-03.4 included (Attachment D to explanatory note), recommending PC 2 at the HEMS operating site instead of PC 1, as far as possible**
 - ★ **Stakeholders are specifically requested to give their views**
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2. Commercial operations other than commercial air transport (aerial work)



COM other than CAT

- **Commercial operations other than commercial air transport (COM)**
 - ★ **Generally referred to as aerial work**
 - ★ **However, scope of COM is considered to be wider**
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Part-OPS.COM

Annex I Part-OPS

Subpart C
OPS.COM

Section I - General Requirements (OPS.CAT/COM.001)

Section II - Operational procedures (OPS.CAT/COM.100)

Section III - Aircraft performance and operating limitations (OPS.CAT/COM.300)

Section IV - Instruments, data and equipment (OPS.CAT/COM.400)

AMC and GM to Part-OPS follow the IRs



OPS.COM Content

Section I - General Requirements

- OPS.COM.005

 - ★ Scope

- OPS.COM.035

 - ★ Application and use of dangerous goods in specialised tasks

- OPS.COM.040

 - ★ Carriage and use of weapons in specialised tasks



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OPS.COM Content

Section II - Operational Procedures

➤ OPS.COM.115

- ★ Briefing of operational personnel**

➤ OPS.COM.270

- ★ Standard operating procedures - specialised operations other than the transport of persons, cargo or mail**
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OPS.COM Content

Section II - Operational Procedures

➤ OPS.COM.270 Standard Operating Procedures

- ★ **COM operations shall be performed in accordance with Standard Operating Procedures (SOPs)**
 - ★ **The SOP shall be based on a risk assessment**
 - ★ **AMCs to OPS.COM.270**
 - **Provides a general method to develop a SOP**
 - **Provide templates and a diagram for the development of a SOP**
 - **Provide an example for Helicopter External Load Operations (HELO) SOP**
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OPS.COM Content

Section III – Aircraft Performance and Operating Limitations

- **OPS.COM.316.A**
 - ★ **Performance criteria aeroplanes**

 - **OPS.COM.350.H**
 - ★ **Performance criteria helicopter**
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OPS.COM Content

Section IV – Instruments, Data and Equipment

- OPS.COM.406 Restraining devices**
 - OPS.COM.420.H Life jackets - Helicopters**
 - OPS.COM.425.H Ditching – Helicopters**
 - OPS.COM.426.H Survival suits - Helicopters**
 - OPS.COM.465.A Terrain Awareness Warning System (TAWS) – Aeroplanes**
 - OPS.COM.486 Emergency egress from the cockpit**
 - OPS.COM.487 Crash mitigation equipment**
 - OPS.COM.488 Individual protective equipment**
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OPS.COM Content

- **COM operations encompass many specialised aerial operations**
 - **Not all of these are captured yet in IRs and AMCs**
 - **For the time being, the proposed rules mitigate the general risks**
 - **EASA welcomes the establishment of industry best practices**
 - **It encourages trade associations and individual operators to develop alternative means of compliance, in particular for SOPs**
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**Thank you
for your attention**
