



Federal Aviation
Administration

FAA - Rotorcraft Regulations & Policy Update



Presented to: EASA Rotorcraft Symposium

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Rotorcraft ACs & Policies

- **HTAWS AC 27/29 MG-18 (Draft)**
 - To be released once HEMS Final Rule is issued
- **HEMS AC 27/29 MG-6 (Draft)**
 - To be released once HEMS Final Rule is issued
- **AC 27/29 Groups 1 & 2 (Draft)**
 - Group 1 - material were few changes were made (**Publication ~ early 2014**)
 - Group 2 – consists of new material and material involving more extensive changes (**Out for public review**)
 - Electronic Display Systems (EDS)
 - Functional Hazard Assessment (FHA)
 - Human Factors (HF)
 - Night Vision Imaging Systems (NVIS)



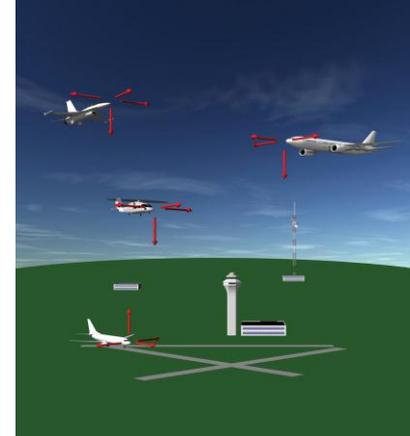
Rotorcraft ACs & Policies

- **NORSEE**
 - Issued (May 2013)
 - Objective – Promote installation of non-reqd. safety enhancing equipment
 - Working with AEA/GAMA to identify NORSEE eligible equipment
- **Rotorcraft Laser & Filtered Infrared (IR) Searchlights- Proposed**
 - Public comments dispositioned
 - National Laser AC – Draft (FAA Internal Review July 13)
 - AEA planning to pursue ASTM standard for Filtered IR Searchlights



Rotorcraft ACs & Policies

- **Rotorcraft AML Policy**
 - Issued in June 2010
 - National FAA AML Memo Clarifying the AML STC process (Issued Sept. 2012)
 - National AML Policy – AC 20-180 (Issued Aug. 2013)
- **Advanced Flight Controls (AdFC) AC**
(e.g. Fly-By-Wire, Fly-By-Light)
 - Public Review – (Public review closed Oct. 2013)
- **Advanced Flight Controls Handbook**
 - Referenced in AdFC AC
 - Public Review – (Public review closed Nov. 2013)
- **Auto Flight Guidance Control Systems (AFGCS)**
 - Public Review – (Public review closed Oct. 2013)



Rotorcraft Certification Challenges

- **No significant updates to the Part 27 & 29 standards in over 20 years**
- **Technology advancements have outpaced our Part 27 & 29 standards**
- **Seeking ways to promote technology that can enhance rotorcraft safety**
- **Preparing our standards for the future rotorcraft**



Part 27/29 Federal Register (FR) Notice

- **FR Notice published in Feb. 2013**
- **Solicited public input on ways to revamp Part 27 & 29 standards**
- **Solicited level of interest in industry's willingness to support any future Part 27/29 rulemaking**
- **Closed in June 2013**
- **Depending on level of interest, future rulemaking may be limited in scope or as broad as Part 23's major revamp of their airworthiness standards**
- **Plan to reach out to other Authorities (e.g. EASA, TCCA, etc.).**



