



EUROPEAN AVIATION SAFETY AGENCY  
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE  
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

# **Welcome!!**

## **EASA EFB Workshop**

Paul Edwards - Chairman of EASA Review Group

18<sup>th</sup> April 2013

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# Introductions

## EASA and your Rulemaking Review Group

Paul Edwards

18<sup>th</sup> April 2013.

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# Review Group (external) Members

<b>ANSTEY, Timothy</b>	<b>Boeing</b>
<b>BRAUN, Nikolaus</b>	<b>ECA</b>
<b>DENJEAN, Jean-Christophe</b>	<b>ASD</b>
<b>EDWARDS, Paul</b>	<b>IATA - Chairman</b>
<b>ESNON, Richard</b>	<b>ASD</b>
<b>FRANZ, Sebastian</b>	<b>IACA</b>
<b>HALLER, Philipp</b>	<b>IATA</b>
<b>HINT, Brian</b>	<b>FAA</b>
<b>RITTER, Andreas</b>	<b>AEA</b>
<b>SALGUES, Romuald</b>	<b>ASD</b>
<b>STUBBS, Jeremy</b>	<b>CAA UK</b>
<b>TRUCHETET, Francis</b>	<b>DGAC</b>



# EASA Members & additional experts

<b>BARIL, Jean</b>	<b>EASA, Section Manager OPS evaluations</b>
<b>BLOESMA Eike</b>	<b>AEA</b>
<b>BONILLO, Carmen</b>	<b>EASA Member</b>
<b>DELAMAIDE, Jean-Luc</b>	<b>EASA Member</b>
<b>DENIS, Charles</b>	<b>EASA Member</b>
<b>GARBI, Dimitri</b>	<b>EASA Member</b>
<b>HERPST, Glenn</b>	<b>FAA representative Europe</b>
<b>JULIENNE, Hervé</b>	<b>EASA Member</b>
<b>MILLER, Brad</b>	<b>FAA</b>
<b>TOMASELLO, Filippo</b>	<b>EASA, Secretary</b>
<b>VERISSIMO, Micaela</b>	<b>EASA, Section Manager in Legal Dept.</b>

# Brief History

In 2004 JAA issued TGL 36 on EFB, which, in the absence of EASA's guidance, is still used today by several competent authorities. In 2007 EASA launched rulemaking task 20.002 (now RMT.0001), mainly to transpose said TGL into a new AMC 20-25.



NPA 2012-02 was only published in March 2012. To be aligned with the state of art, it departed from the text of the TGL in significant points.

A blockbuster - 921 comments were received, split among those wishing to remain with the wording of TGL 36 and those demanding alignment with the state of the art. The first meeting of the Review Group (Aug 2012) endorsed the second alternative; alignment with state of the art was deemed to be essential.

# What Changed in 5 Years?

- TGL 36 obsolete and 'out of date'
- FAA issuing version 'B' of AC 120-76 ... and planning C
- ICAO OPS Panel work on EFB
- Confusion with 3 'classes' of HW and inclusion of subclasses such as Class 2.5
- Tremendous development of applications, including 'data link' and performance calculations on iPad ('portable') – Rise of the Tablet device
- However, the regulations were tired and in need of review / refresh



# RG 1,2 & 3

- RG1 – 28-30<sup>th</sup> August 2011.
- Election of Chairperson and agree conclusions on comments to 99 'segments' of the NPA (out of 106) = outstanding job: all conclusions agreed except 7
- RG2 - 16-18<sup>th</sup> October 2011.
- Agree outstanding 7 conclusions on comments and reviewed / agreed some revised text of AMC/ETSO
- RG3 15-17<sup>th</sup> January 2013.
- Legal aspects became apparent
- Approval of 'near final' resulting text-v6.1 now real



- **The not so Good News....**
- **921 comments received**
- Some very critical, if not aggressive
- Many telephone call from stakeholders during the consultation period
- ...including calls from 'angry' members of the former Drafting Group (2007-08)





# The Good News

- **The Good News....**
- Majority of comments focused on **few topics**
- Most comments, although not editorially identical, conveyed **similar messages**
- FAA extremely co-operative - harmonisation
- Stakeholders now more relaxed:
  - Promise of alignment with ICAO
  - Promise of maximum possible harmonisation with edition 'C' of FAA AC (... the next)
  - Large Review Group established and new text agreed with substantial consensus



# Blockbuster Comments

Topic	Received comments
<b>Operational approval process</b>	<b>75</b>
Hardware (HW) Class 2 ('portable', but with 'docking' equipment installed in the cockpit)	<b>74</b>
Appendix B on Type B SW applications (e.g. performance calculations)	<b>43</b>
Type C SW applications (e.g. moving maps)	<b>31</b>
HW Class 1	<b>28</b>
Appendix C on Type C SW applications	<b>25</b>
Type B SW applications	<b>23</b>
Appendix A on examples of Type A SW applications	<b>21</b>
ETSO-2C165a (Airport Moving Map Display)	<b>21</b>



# What Next?

- May 2013 - EASA internal consultation on CRD, AMC20-25 and ETSO-2C165a – Edited and signed by June
- Two months available for possible reactions
- October – EASA internal consultation on Decisions on AMC20-25 and ETSO-2C165a
- **November 2013 – Publication AMC20-25 and ETSO-2C165a**



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# Thankyou!!

Paul Edwards - Chairman

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