



EASA

European Aviation Safety Agency

Commercial air transport with single-engine aeroplane in IMC/at night

SET-IMC CAT Equipment requirements

Ralph Menzel

Project Certification Manager – General Aviation (EASA)

Your safety is our mission.

An agency of the European Union





Aimed to

- allow a level playing field
 - within EASA-MS
 - outside Europe
(e.g. FAA, TCCA, CASA allowing such operations for long)
- to promote the use of **modern** and **environmental friendlier** aeroplanes
- opening of low-density routes with the most **appropriate** aeroplanes

Introduced through

ComReg 2017/363 + related EASA decision 2017/004/R



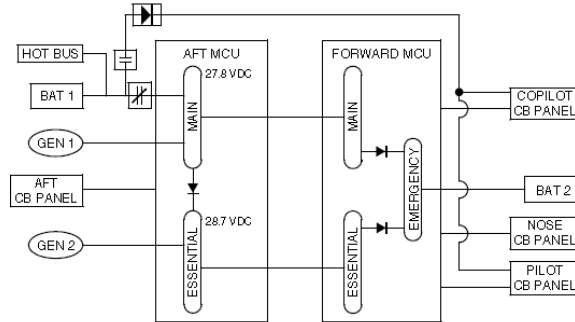
The specific objective is to allow single-engined turbine aeroplanes, meeting specified power plant reliability, **equipment**, operating, and maintenance requirements, to conduct CAT SET-IMC operations





Equipment requirements (SPA.SET-IMC.110)

a) 2 separate and adequate electrical systems (generators)

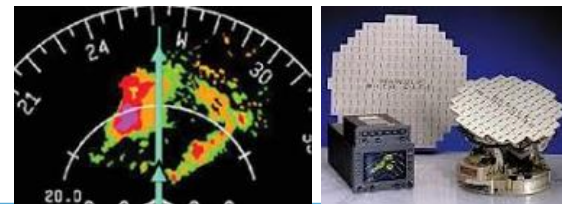


b) 2 attitude indicators, powered from independent sources



c) For passengers on each seat minimum of 3 point protection

d) Airborne weather detection





Equipment requirements (SPA.SET-IMC.110)

e) If pressurized, for all occupants sufficient oxygen for allowing best glide decent to landing site



f) Navigation system to programme and guide to landing sites



g) RA



h) Sufficient landing lighting





Equipment requirements SPA.SET-IMC.110

i) Sufficient battery power in the event of total electrical loss

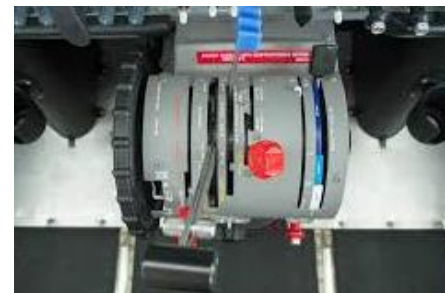


j) Engine ignition system



k) Engine lubrication monitoring system

l) Emergency power control device





who

Supplied by TC holder, ...

but also through individual STC(s)





EASA
European Aviation Safety Agency

Thank You !

Your safety is our mission.

An agency of the European Union

