



# Additive Manufacturing Task Group

International Aircraft Materials Fire Test Working Group  
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**AIRBUS**

# Additive Manufacturing Task Group

- FSTG-like approach to Additive Manufacturing
- Identify key variables affecting fire safety requirements
- Simplify methodology of compliance demonstration to account for these key variables
- Final goal may be approved guidance material like the PS

Group meets on Thursday 08.30 h

Volunteers for materials and testing needed 😊

### Part design

- “Replica” of conventional part
- Bio-inspired (bone-like) complex structures

### Post processing

- For the specimen: e.g. removal of support, or for the part: e.g. grinding/sanding to certain surface quality
- Spatula, fillers, topcoats

### Build

- Printing directions
- Raster angle
- Layer thickness
- Thickness
- Infill (%)
- Single specimens vs. cut from bigger plate

### Manufacturing technology

- Fused Filament, laser sintering, powder bed etc.
- Printer manufacturer and type
- Layer thickness
- Print speed and temperature

### Material

- Material itself is a variable
- ALM type vs. standard type of same material
- Filament thickness

→ Learn from factors and from UL Blue Card research & testing

Thank you