European Union Aviation Safety Agency

2016 EASA Workshop on Additive Manufacturing

Organised by: EASA

Event Type: Workshop

Date:
28 Sep 2016 to **29 Sep 2016**

Location

EASA Headquarters

Konrad-Adenauer-Ufer 3
50668 Köln
Germany

Directions to the Agency

Event Materials

Documents

WORKSHOP Additive Manufacturing - Presentations

Description

Additive Manufacturing (also known as 3D-printing or ALM additive layer manufacturing) is a production technology which involves highly complex processes, dependent upon many process parameters. Compared to conventional manufacturing processes, AM parts may result in different microstructures, defect species, residual stresses, inspectability, post-processing requirements, ultimately structural performance and durability. The requirements for design, structural assessment, quality assurance, and on-going manufacturing quality control need review and careful consideration to ensure that qualification processes for AM parts are safe and robust enough to guarantee repeatable good material quality.

This EASA AM workshop is primarily aimed at providing TCH and STCH applicants, including supporting sub-contractors, with better understanding of EASA expectations and also providing EASA with better understanding of their needs in order to help facilitate more efficient certification of AM parts.

The Agenda is anticipated to cover at least the following topics;

- Views of regulators EASA/FAA
- AM Process; Application
- Aviation Industry suppliers/TC- and STC Holders using AM
- Status on Standardization Bodies Work on AM standards
- EASA/FAA approach to apply existing high level requirements
- Open Discussion

Contact

CT1.1.AdminLargeTransport [at] easa.europa.eu

Other documents

Additive Manufacturing Workshop - Agenda

Practical Information about EASA