

Advanced Aerospace Developments GmbH

Design Organisation EASA.21J.527

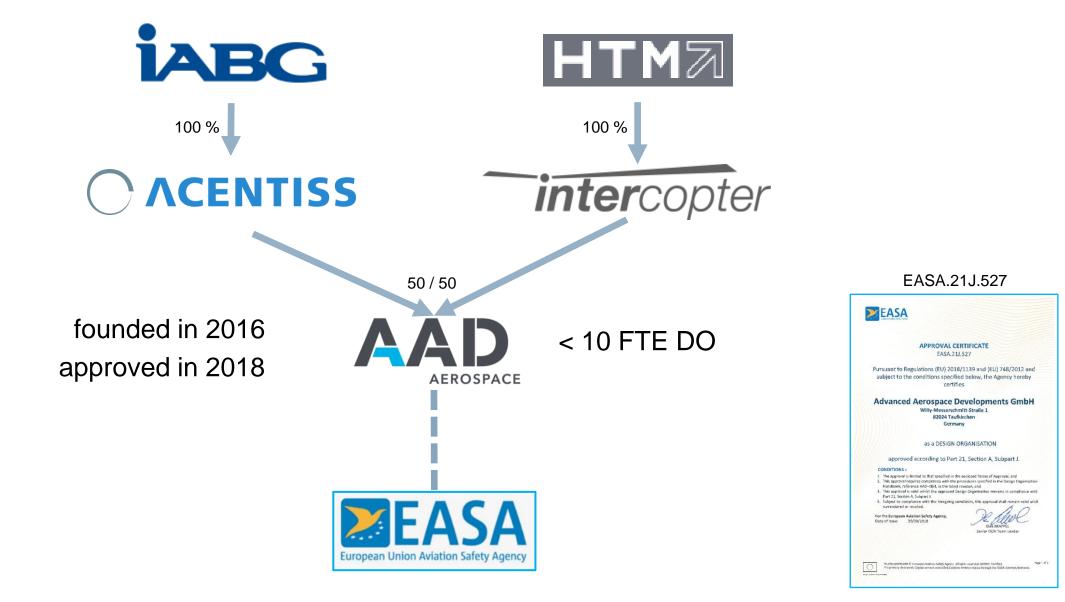
Implementation of a Safety Management System @ AAD

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AAD

EASA.21J.527

Design Organisation & Flight Test Organisation H/C

DIN EN9100:2018

system.structure.safety Engineering Light Unmanned Operations

ISO 9001 / 14001 DIN EN ISO/IEC 17025 EN 9100 Testing

intercopter

LBA.DE.21G.0117 Production Organisation

LBA.DE.145.0126 Maintenance Organisation MRO & CAMO

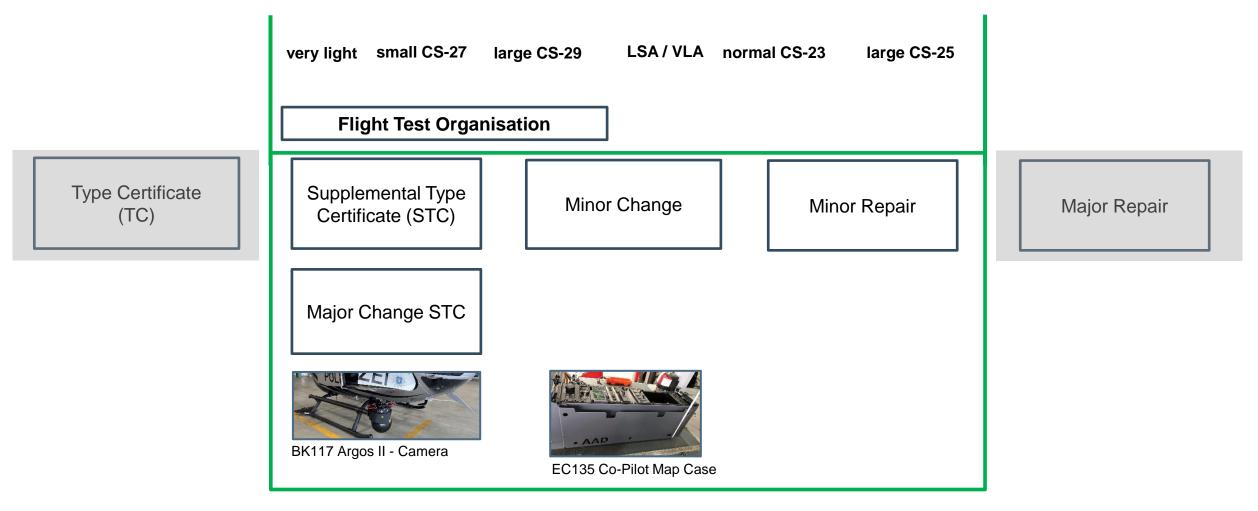


D-222 AOC Flight Operations H/C

DE.ATO.093 Flight Training



Scope 06-2024:









Safety Management System



Basis:

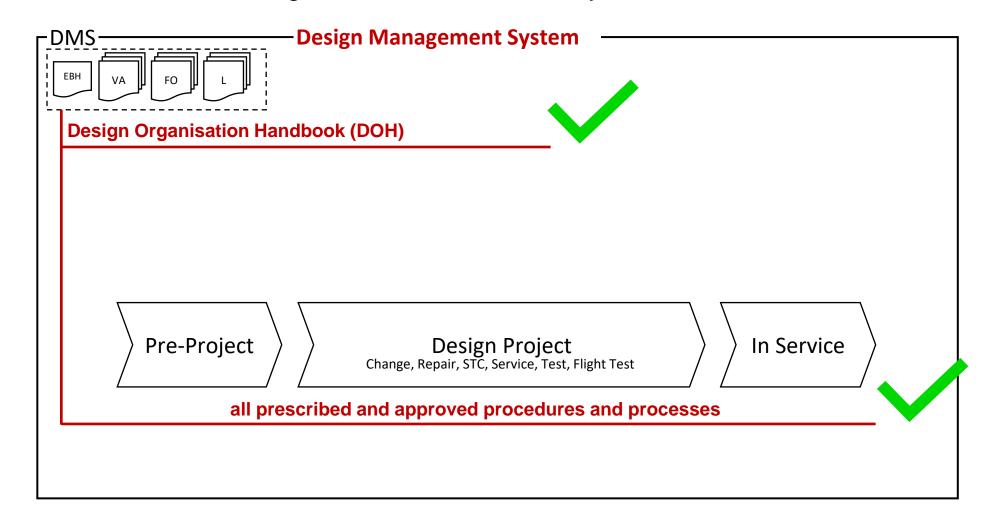
AAD provides safety relevant services and design

The obligation to achieve a maximum of safety does exist





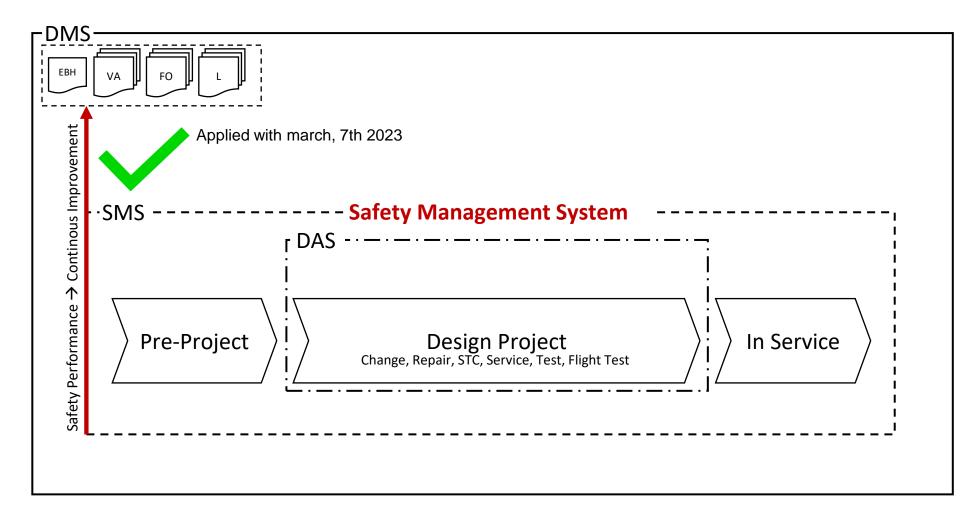
Management- and Assurance systems of AAD



DMS = Design Management System; DAS = Design Assurance System; SMS = Safety Management System



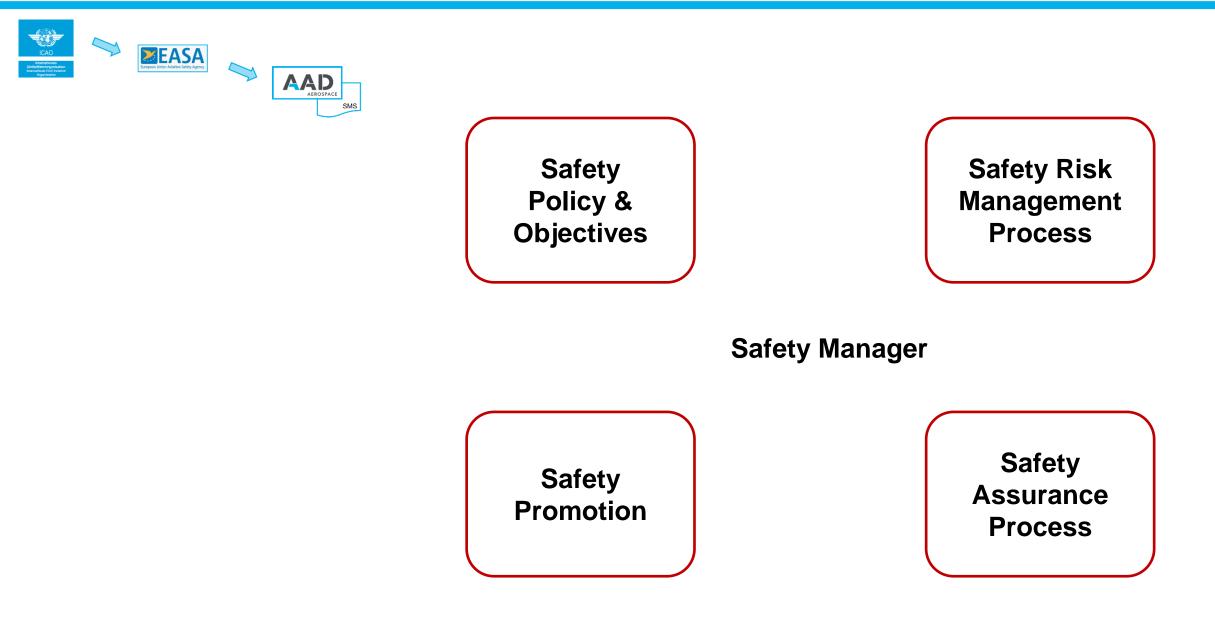
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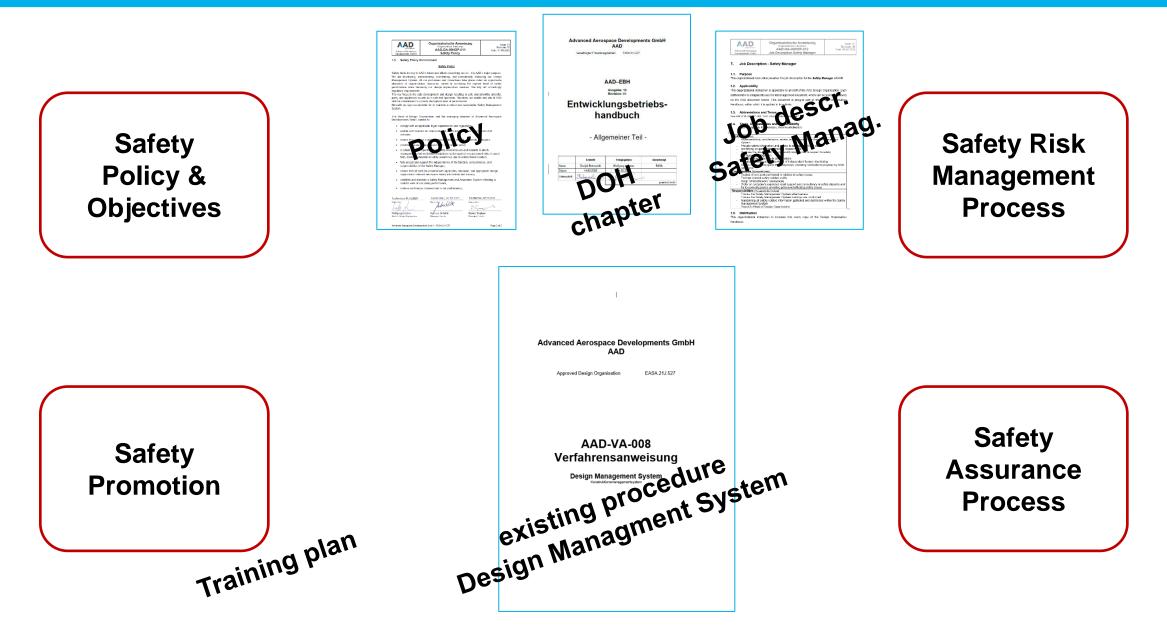
Elements of SMS - architecture





Elements of SMS – architecture \rightarrow implemented elements







Safety Risk Management Process



Typical risks of AAD as DO identified



Enable DO to recognize upcoming or existing safety issues

Gather, collect, and record safety data

Analyse safety data/issues – Severity Evaluation



Determination of Safety Risk Probability



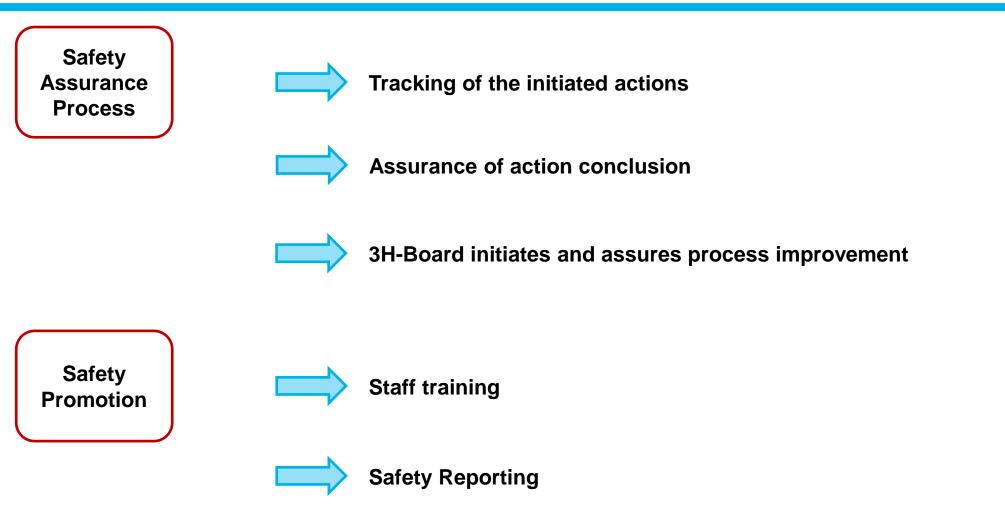
Rating of Safety Risk



Determination of the Safety Risk Tolerability











Into action: examples of a Safety Issue – FTI equipment



Safety Issue



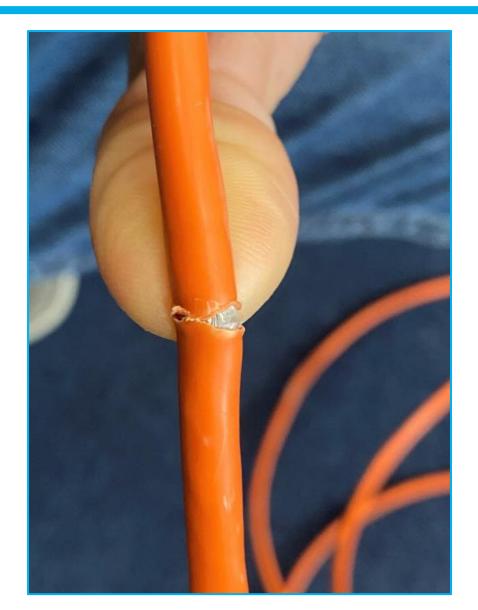
Situation

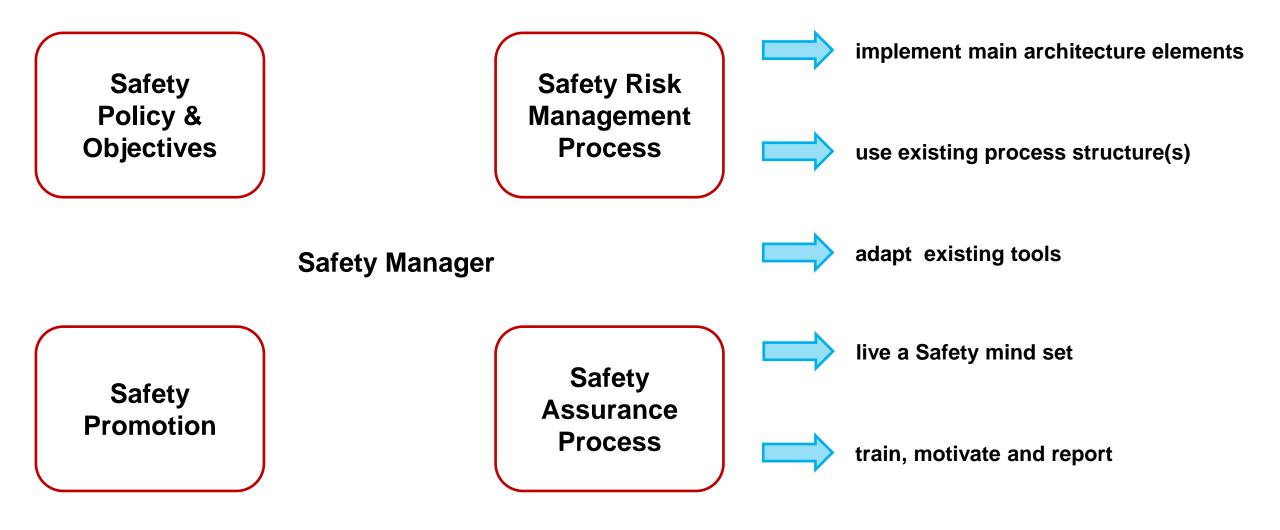
- o damaged cable of FTI
- o identified <u>after</u> flight campaign

SI - mindset:

The state of the equipment is not correct Equipment was used for flight tests

 \rightarrow SI to be reported





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discussion

