EASA
European Union Aviation Safety Agency

Cologne, 20th November 2019

Innovation & related Activities

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Your safety is our mission.

An Agency of the European Union

Innovation & related activities

Manage & coordinate changes necessary to adapt the Agency activities and processes to innovation

Create a dynamic of innovation in the Agency and foster the sharing of innovation knowledge and information across domains

Innovation Cell

OBJECTIVES

Support the Industry on innovation through partnerships.

We need to be prepared for the FUTURE

Innovation Network

Set-up of an (internal) Innovation Network Community

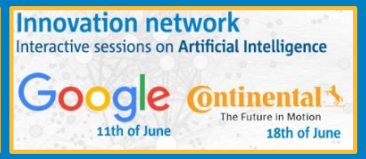
100 EASA staff members

Objectives

- ⊗ Fostering "knowledge communities"
- ⊗ Sharing of knowledge and information
- ⊗ Encouraging cross-directorate / cross-domain collaboration on innovation
- ⊗ Supporting foresight/monitoring activities

Supported by an intranet based community tool

Organisation of thematic lectures on innovation →→



Set-up dedicated task forces to develop thematic roadmaps (i.e. Artificial Intelligence)

Partnership with Industry on Innovation 1

Memorandums of Cooperation on innovation

Establish a formal framework enabling….

upstream

involvement

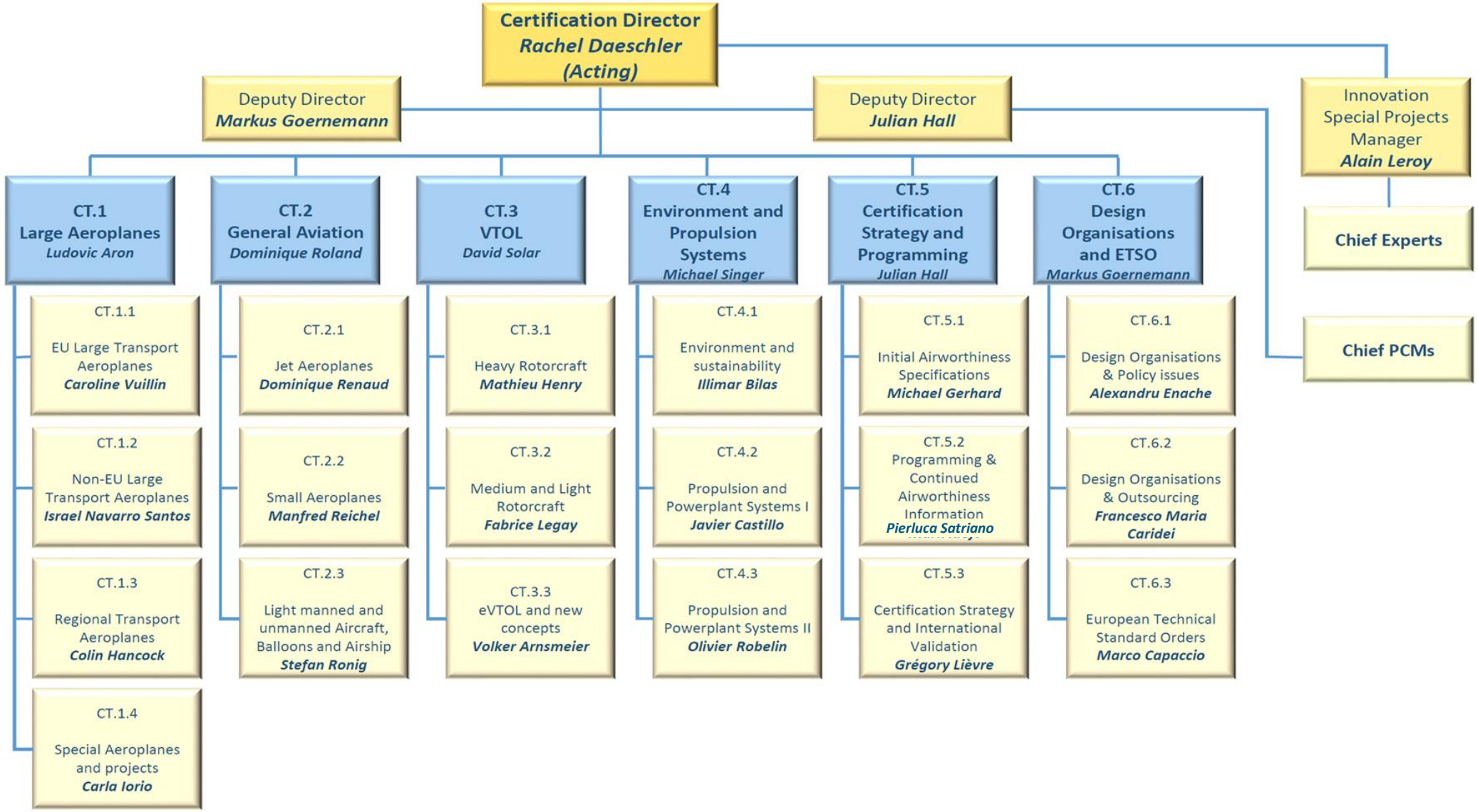
of EASA

- Cooperation in the early stages
- Identification of key risk areas linked to innovation projects
- Evaluate possible EASA support
- Adapt our processes, organisation, procedures, rules and staff competence plans to support innovative industry projects.

Possible related tasks & actions

- Specific Innovation Partnership Contracts
- Workshops
- Research cooperation (PhD thesis, …)
- Universities networking
- Exchanges of experts (limited period)
- Training

EASA CT Organizational Chart



Partnership with Industry on Innovation 2

Innovation Partnership Contracts

Cover the supply of technical knowledge and support within an innovation project to encourage the development of:

- novel technologies
- new business models
- new services

Focus on the exchange of expertise on a multi-disciplinary scale (certification, operation, crew qualification, ATM, etc…)

Address the concept development phase (feasibility)

⚠ do not cover any pre-certification task (this is done via Technical Advice Contracts)

Typical Current Major projects

Large Aeroplanes

VALIDATED

Embraer ERJ 190-400
(E2)

CERTIFIED

Airbus A319neo
(fitted with CFM LEAP-1A)

CERTIFIED

Airbus A320neo ACJ
(Airbus Corporate Jet)

ARRANO 1 engine series Safran

TC for Gulfstream GVII - G500

General Aviation

VALIDATED

Garmin GFC500 Autopilot
(Thanks to Net Safety Benefit approach)

CERTIFIED

Tomark, Viper SD-4
Night-VFR

VALIDATED

Bombardier Global 7500
Derivative

Extra Aircraft
next-gen carbon-fibre NG

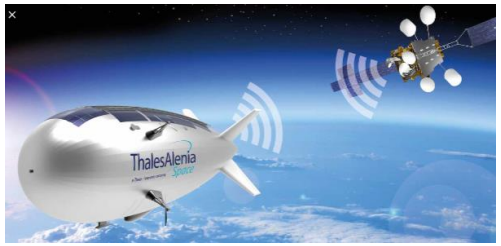
2019 Ongoing TC projects (innovation related)

SuPAL-V X3-X3A

Volocopter VC2-1

SIEMENS Sunflyer Electric

Vertical Aerospace



Stratobus

Subaru Aeromobil AM 4.0

Lilium L4

SCHIEBEL CAMCOPTER S-100

AGUSTAWESTLAND Tilt Rotor / AW609

EASA

Innovation & related activities

Range of possible future products

EASA

Range of possible future products

Alauda Airspeeder

Bartini Flying Car

Boeing Cargo Air Vehicle (CAV)

Dekatone Flying Car

UrbanAero CityHawk

EAC Whisper

PAL-V

SkyPod

PAVX

Astro Elroy

Vertical Aerospace eVTOL

Koncepto Millenya

Varon Vehicles V200

Ghost X V 2.2

Imaginactive Onyx

Volocopter VoloCity

LIFT Hexa

EASA
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Thank you

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