



**EASA**  
European Aviation Safety Agency

# Certification Authorities for Rotorcraft Products (CARP)

**Juri PAULETTI**

**Project Certification Manager**

**9th EASA Rotorcraft Symposium**

**Cologne, December 2, 2015**

**Your safety is our mission.**

An agency of the European Union 



## **Abstract**

The Certification Authorities for Rotorcraft Products (CARP) is an operational working group under the governance of the Certification Management Team (CMT) established to support the safety mission of the participating airworthiness authorities by improving communication and cooperation among the parties and with the major rotorcraft stakeholders.

The participating airworthiness authorities currently include the European Aviation Safety Agency (EASA), the Federal Aviation Administration (FAA), Transport Canada Civil Aviation (TCCA), and the Agência Nacional de Aviação Civil (ANAC).

The structure and responsibilities of the CMT will be described as well as the objectives of the CARP and the boundaries of the initiative.



# CARP Initiative

## The origins of the initiative.

- On September 2015 the Directors of the European Aviation Safety Agency (EASA), the Federal Aviation Administration (FAA), Transport Canada Civil Aviation (TCCA), and the Agência Nacional de Aviação Civil (ANAC) met in Brasilia and signed the “CMT Charter”, which is the result of more than one-year lasting discussion on how to achieve:
  - a greater collaboration among the Authorities
  - a better efficiency of the already established processes concerning certification, manufacturing, export and continued airworthiness of products by harmonizing solutions to authority and industry issues



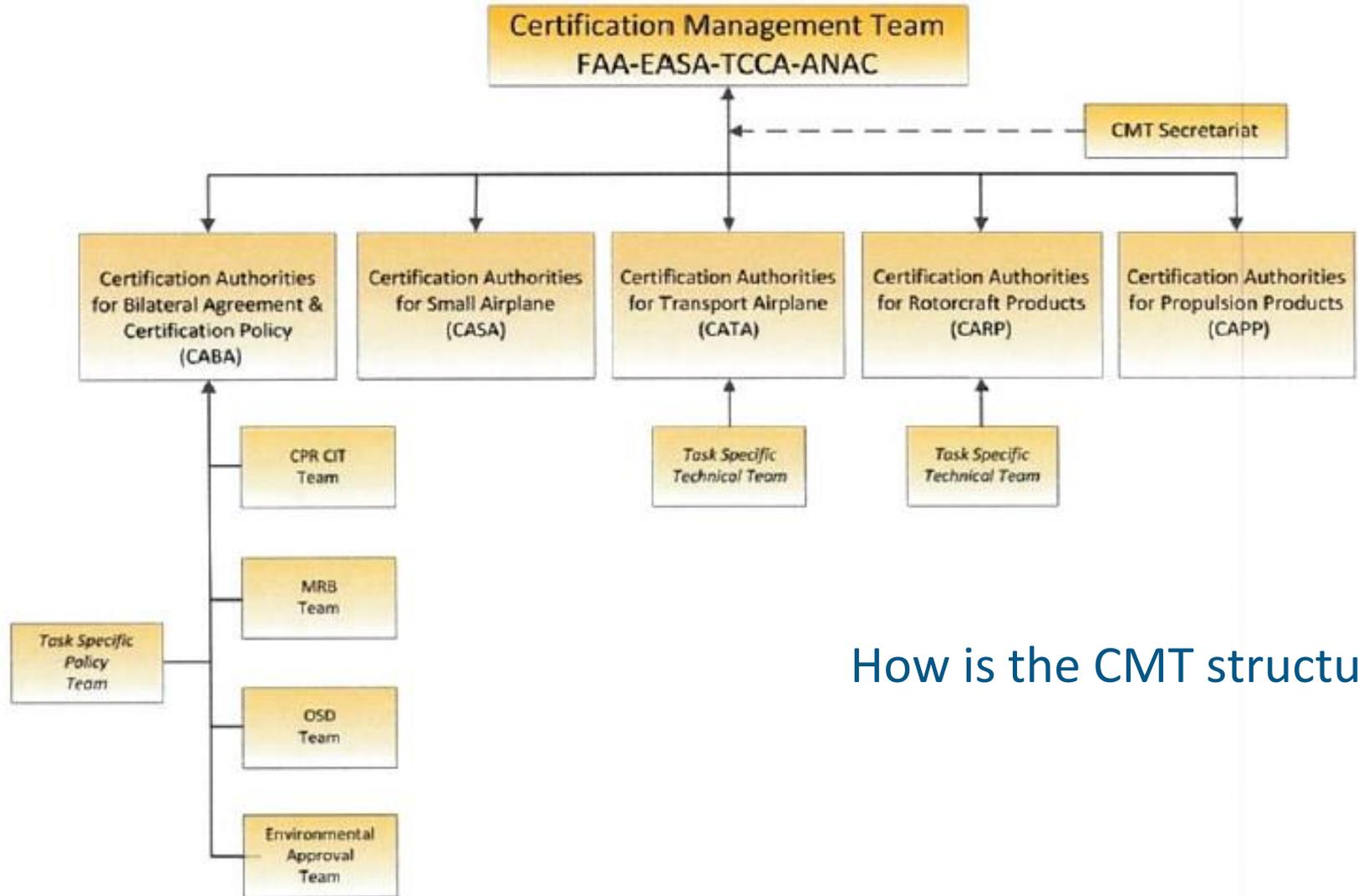
# CARP Initiative

## What's the CMT?

- CMT stands for “Certification Management Team”.
- It is a body composed of a board of Directors (one from each of the constituting Authorities) governing some Certification Authorities Groups dealing at operational level with a number of different matters.



# CARP Initiative



How is the CMT structured?



# CARP Initiative

## CMT Objectives.

- CMT objectives are to:
  - Address priorities
  - Dispose decisions
  - Decide on recommendations made by the Groups
  - Maximize efficiency by:
    - ✓ Reducing redundant efforts, where feasible
    - ✓ Leveraging on industry resources to resolve issues or propose solutions, where applicable
- The CMT is also provides an interface with the Industry for all issues raised by the Industry or when communicating a position, unless otherwise delegated.



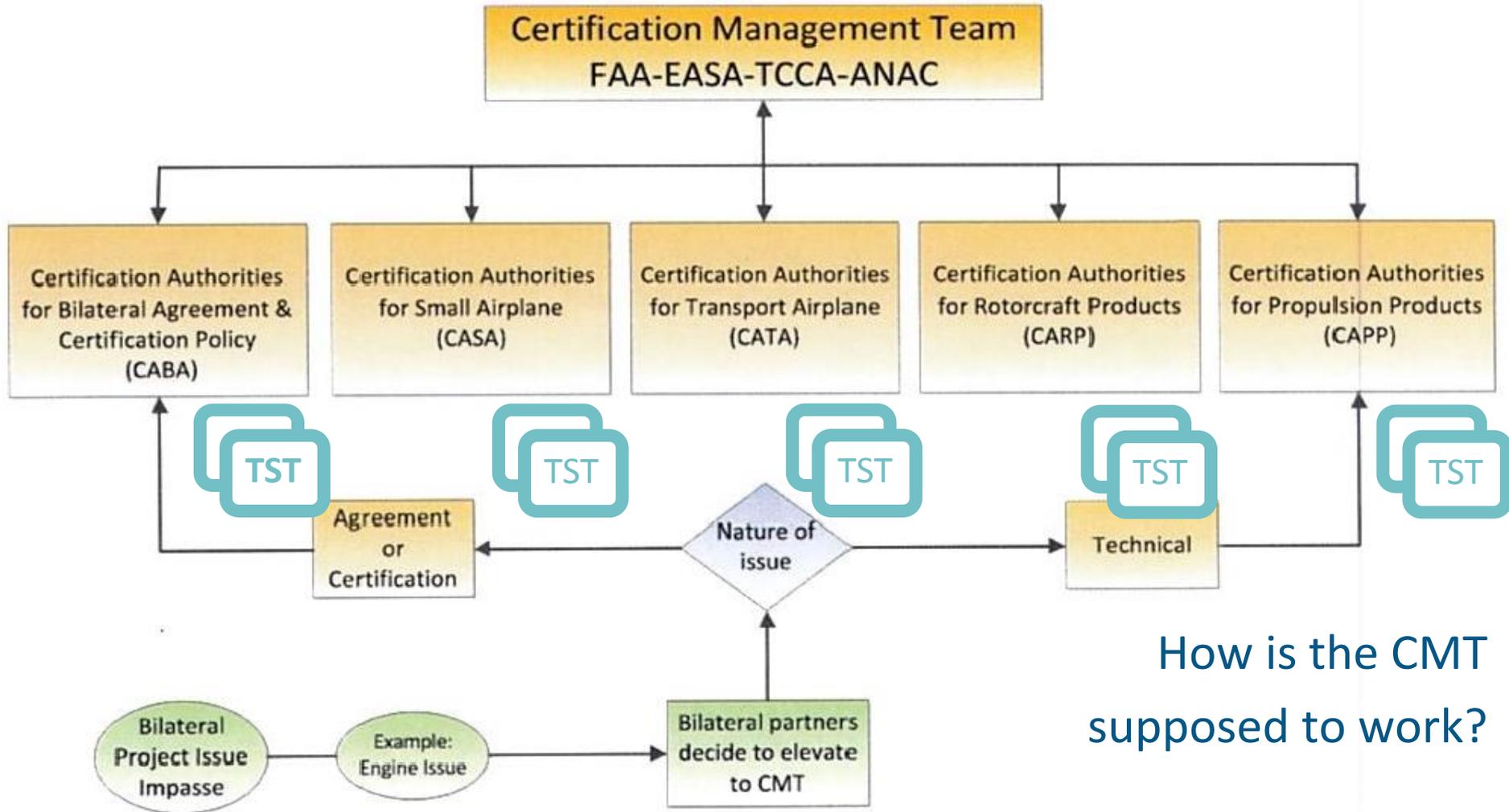
# CARP Initiative

## What's the role of the Certification Authorities Groups?

- They are composed of members from the constituting Authorities and are supposed to:
  - Meet regularly to identify and resolve issues specific to their scope
  - Elevate issues to the CMT for guidance or decision making, when required
  - Manage Task Specific Teams, which may be proposed to and authorized by the CMT to investigate specific areas of interest or concern.
- Issues may be raised by Bilateral Groups when a harmonized multi-authority solution is desirable or simply for awareness, when deemed useful



# CARP Initiative



How is the CMT supposed to work?

(TST = Task Specific Team)



# CARP Initiative

## What is the CARP and what its scope?

- CARP is for Rotorcraft.
- The scope of the CARP is to deal with issues directly related to certification regulations (existing/proposed), guidance material (formal/informal, existing/proposed), initiatives (e.g. Industry outreach programs) and Continued Operational Safety (COS) specific to the product.
- Rulemaking and Policy processes and procedures are out of the scope of the group.



# CARP Initiative

## CARP Objectives.

- Among CARP's objectives we can find the following:
  - Address topics as required by the CMT
  - Reduce duplication of efforts among authorities by maximizing reliance on each other's decisions.
  - Identify regulation and policy harmonization opportunities, including interpretations.
  - Identify differences among national authorities, which may lead to conflicts during the certification and validation approval processes.
  - Provide early awareness of emerging safety concerns



# CARP Initiative

## CARP Organization.

- The Group will:
  - Meet regularly either face-to-face or virtually to discuss standard agenda items.
  - Propose and manage Task Specific Teams as needed to address specific tasks within the scope of the group.
  - Report to the CMT.



# CARP Initiative

## CARP Organization.

- The CARP may invite the Industry to discuss specific CARP agenda items.
- The CARP may request Industry support in achieving specific CARP objectives.
- The CARP will welcome coordinated proposals from the Industry (e.g. need for guidance in specific areas, emerging technologies, ...)



# CARP Initiative

## Standard Agenda Items:

1. Rulemaking updates
2. Certification regulations
3. Guidance material
4. Specific initiatives (e.g.: with Industry)
5. Technical policies
6. Procedural policies
7. Issues among projects or programs
8. Issues related to systemic flaws in the certification process
9. Continued Operational Safety (airworthiness or OSD)



# CARP Initiative

## Main goals.

- Identification and minimization of differences based on:
  - Standards
  - Policies
  - Others (e.g. Operational considerations, ...)
  
- Identify areas of mutual interest (e.g. ditching, bird strike, occupant protection, etc.)



**EASA**  
European Aviation Safety Agency

**End slide**

**Your safety is our mission.**

An agency of the European Union 