



# Electric & Hybrid Aviation Project



Session: Airworthiness

Topic : Introduction

Presenter : Manfred Reichel

**Questions and Answers**

**15 minutes!**

Scope:

- Welcome
- State of play for the new technologies
- Organisation of the session



# General Update on Certification and Standards

## ➤ Two streams of work:

### ➤ New Certification Specifications:

- CS-23, Amdt. 5
- “CS-eVTOL”

### ➤ New Standards

- ASTM (F37, F39, F44), SAE (new committee), RTCA (DO-311a), EUROCAE, ...
- other Industry Standards

## ➤ Interim Solution “Special Conditions”

## ➤ General coordination:

- eVTOL: Lionel TAUSZIG
- Small Aeroplanes: Manfred REICHEL
- Large Aeroplanes: Israel NAVARRO



# General Update on Certification and Standards

## ➤ Review of agenda

- 10:00 H – 10:40 H                      **Topic 1 Electric and Hybrid Aircraft Certification**
  - Discussion: all (moderator: Pasquale VIOLETTI)
  - EASA Panel: Lionel TAUSZIG, Stefano FICO, Manfred REICHEL, Israel NAVARRO
- 11:10 H – 11:45 H                      **Topic 2 Electric and Hybrid Propulsion**
  - Discussion: all (moderator: Regis ROSSOTTO)
  - EASA Panel: Anne GUISEN, David LE-MAUX (Safran), Regis ROSSOTTO, Stephan SCHLISSKE (RR)
- 11:45 H – 12:30 H                      **Topic 3 Controllers / SW / AEH /Safety**
  - Discussion: all (moderator: Clement AUDARD)
  - EASA Panel: Anne SENECHAL, Angela RAPACCINI (FOCA)
- 13:30 H – 14:30 H                      **Topic 4 High Voltage / HIRF / EMC**
  - Discussion: all (moderator: Fernando MENENDEZ)
  - EASA Panel : Mayte INIGUEZ, Linda BRUSSAARD, Carlos MUNOZ, Jean-Christophe LAMY
- 14:30 H – 15:30 H                      **Topic 5 Energy Storage Devices**
  - Discussion: all (moderator: Carlos MUNOZ)
  - EASA Panel : Mayte INIGUEZ, Fernando MENENDEZ, Linda BRUSSAARD



# General Update on Certification and Standards

- Organisation of the session:
  - Review of agenda
  - Each agenda topic:
    - Short presentation to introduce the topic
    - Objective: achieve informed discussion but does not propose solutions
    - Presentation followed by discussion: maximise interactions
  - Introduction of presenters:
    - They will also act as moderators for the topic
  - General moderator/ time keeper:
    - Manfred Reichel



# General Update on Certification and Standards

➤ Comments and questions are welcome

