



# Electric & Hybrid Aviation Project



Session: Flight Standards

Topic 1: Concepts of Operations

Presenter : Yves Morier

**Questions and Answers**

**30 minutes!**

Scope:

- Highlight different concepts of operations





# Concepts of Operations: general

- “Classical”: e.g. general aviation, commercial air transport
  - Short term: Electric engine replace a piston engine
  - Longer term: Electric engine replace turbine; integrated propulsion
- High altitude operations:
  - FL 600 and above
  - Long duration
- Urban Air Mobility:
  - Intra-cities; inter-cities, cities centrum to airport
- Others?



# Concepts of operations: characteristics

- Manned/ remotely-piloted/ highly automated-autonomous
- Classical take-off and landing/ VTOL
- Segregated airspace/ uncontrolled airspace/ controlled airspace
- IFR/ VFR
- Aerodromes/ other platforms
- Manufacturer also operator/ Manufacturer and operator separate
- Other interesting characteristics?



# Concept of Operations

► Comments and questions welcome

