

Business Jets Workshop 2025



21st – 22nd January 2025
EASA Headquarters
Cologne, Germany

#easabusinessjets



*Advanced Flight Deck Technologies
To improve operations and efficiency*

Gianluca MELE

«Smart Cockpit» Programme Manager
Flight Test Engineer FW



Smart Cockpit

- What it is?
- The advantages...
- How to deploy them?
- The framework...
- Knowledge base creation

Smart Cockpit - What it is?

- Novel technologies/functions
- With the intended function of:
 - Automating crew tasks
 - Strengthening the airborne systems resilience to failures/external events
 - Enhancing crew information management
- Aiming at safety «beyond standards»

Smart Cockpit – The advantages...

- Alleviation of crew workload
- Enhanced crew decision making
- Improvement of the safety standards
- Enabling the development of novel ConOps

Smart Cockpit – How to deploy them...

- Aviation safety is safeguarded by various contributors
- Structured and incremental path
- Supported by in-service trials
- Initial deployment in the current operational framework

Smart Cockpit – The framework...

- Initial Airworthiness certification of Smart Cockpit
 - Reliance on well established practices and process
- Creation of an OPS Regulatory Framework
 - RMT.0739 refocused on safe integration of Smart cockpit (EPAS 2025)
 - Initial Smart Cockpit deployment won't need dedicated rulemaking

Smart Cockpit – Knowledge base creation

- Novel ConOps comes with unknowns...
- Bringing light to «dark areas» will be possible through:
 - Multidisciplinary approach
 - Independent research activities
 - Fostering exchange of expertise among interested stakeholders

easa.europa.eu/connect



Your safety is our mission.

An Agency of the European Union 