Business Jets Workshop 2025

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

#easabusinessjets

EASA
European Union Aviation Safety Agency

*”The **EASA AI Roadmap and Concept Paper** provide a framework for the development of safe and trustworthy AI applications in aviation, guiding applicants through a risk-based approach and promoting a unified understanding of AI within the aviation community, while maintaining a practical and proactive approach.”*

Guillaume Soudain

EASA Programme Manager – Aritificial Intelligence

EASA
European Union Aviation Safety Agency

Overview of concrete AI/ML use cases in aviation

Airworthiness and air operations

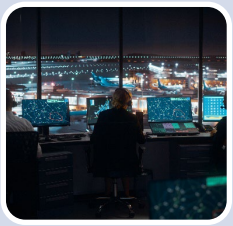
Visual Landing guidance

Computer vision

Flight training

Assessment of training performance

Computer vision

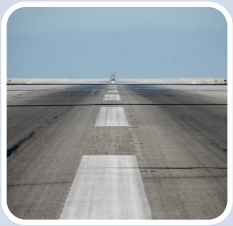


ATM/ANS

Conflict Detection and Resolution

Optimisation

+ Natural Language Processing



Aerodromes

Detection of Foreign Object Debris (FOD) on runway

Computer vision

Drones

Detection of object on delivery pad

Computer vision

U-space

Support to U-space management

Optimisation

Innovative Air Mobility

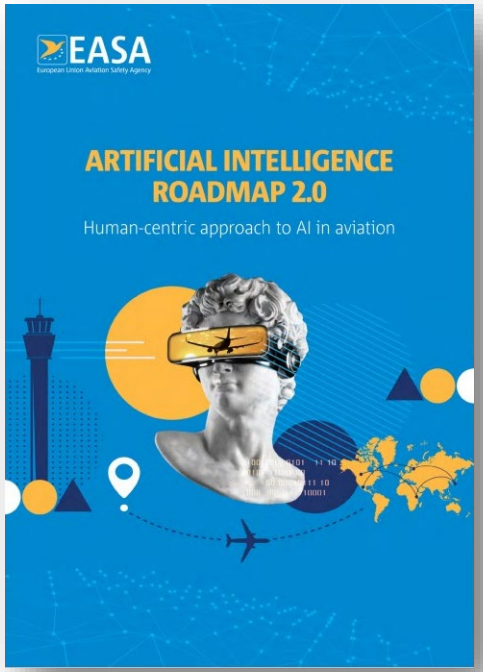
Advanced automation

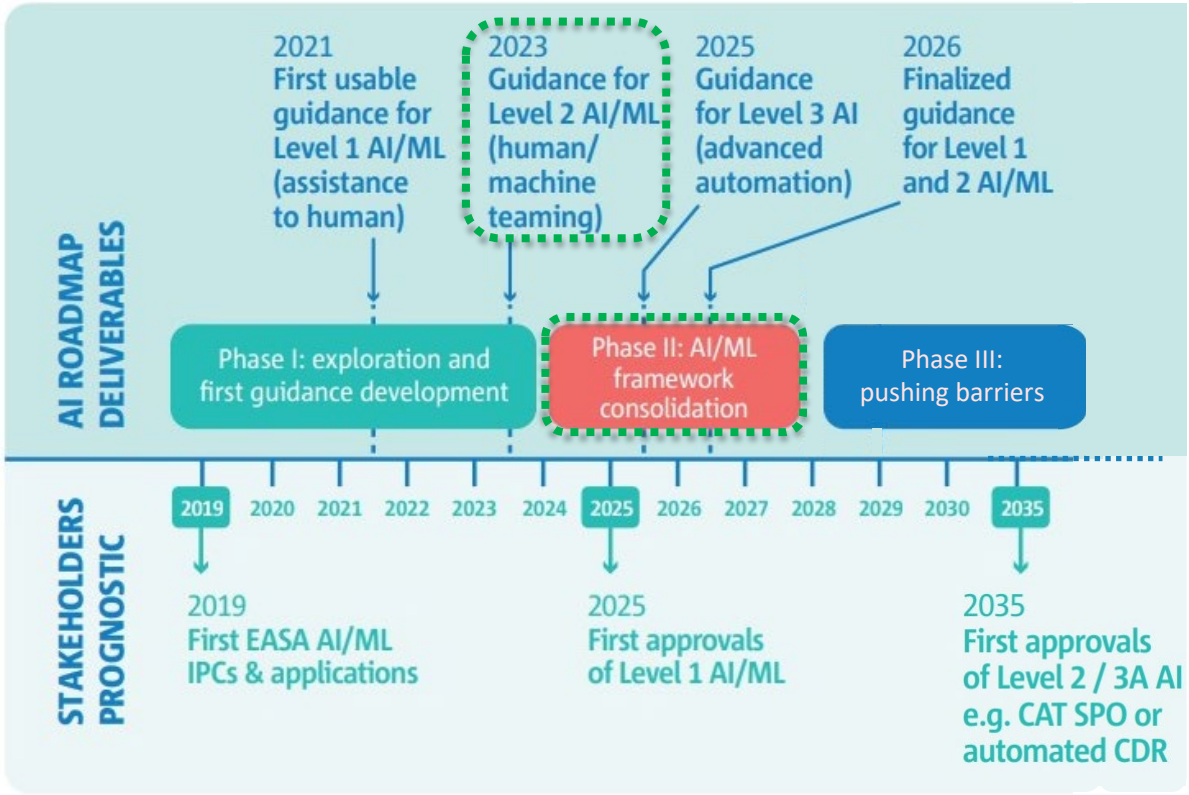
Computer vision

+ Reasoning element for Level 3 AI

AI = Artificial Intelligence ML = machine learning

EASA AI Roadmap 2.0: entering consolidation phase





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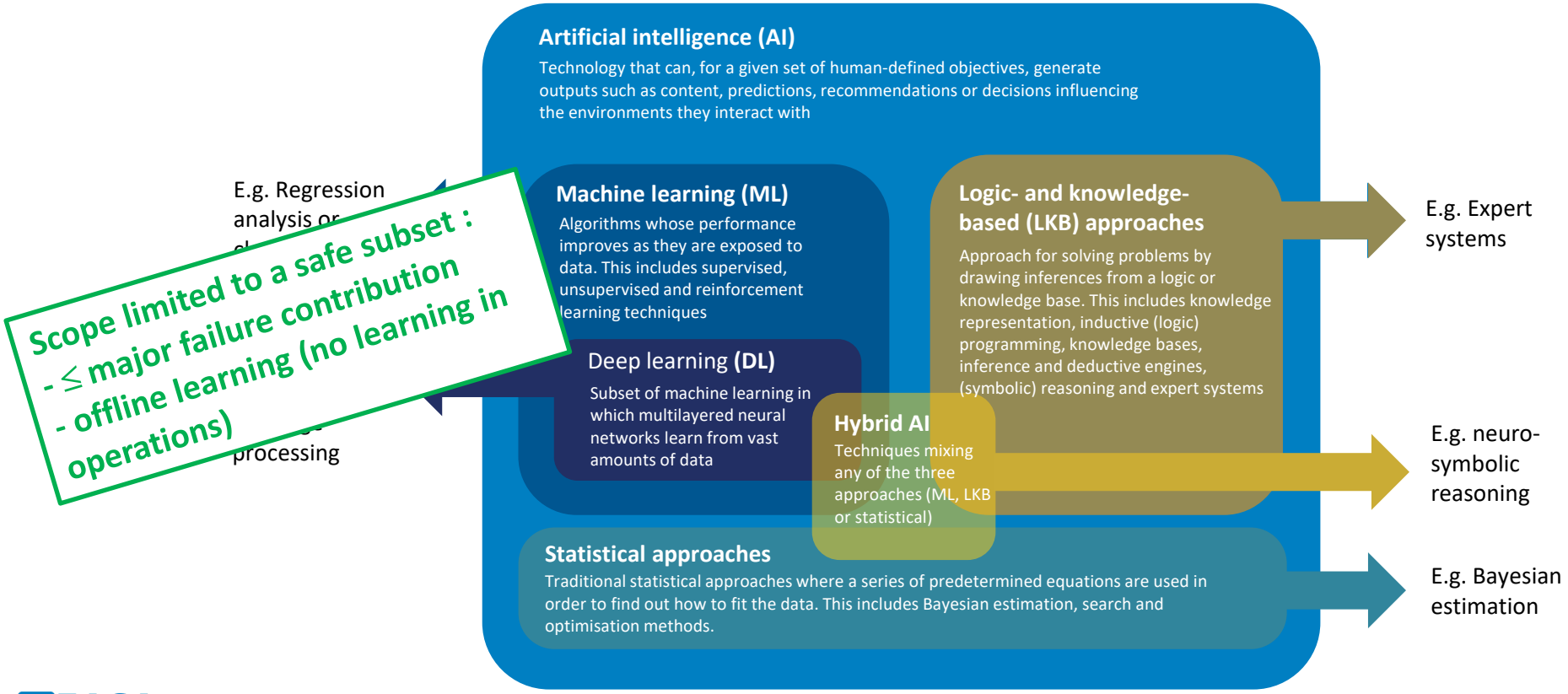
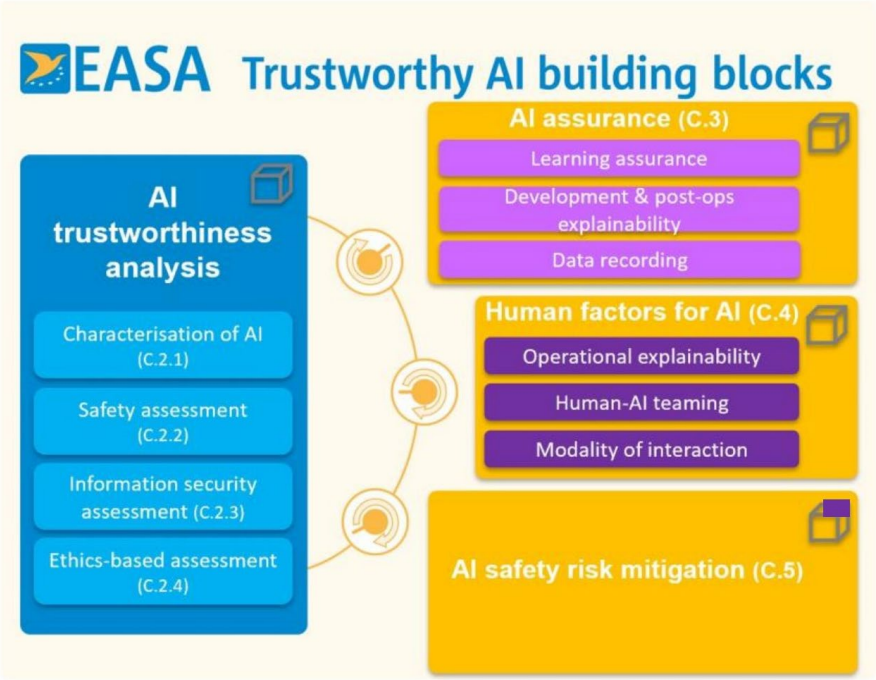
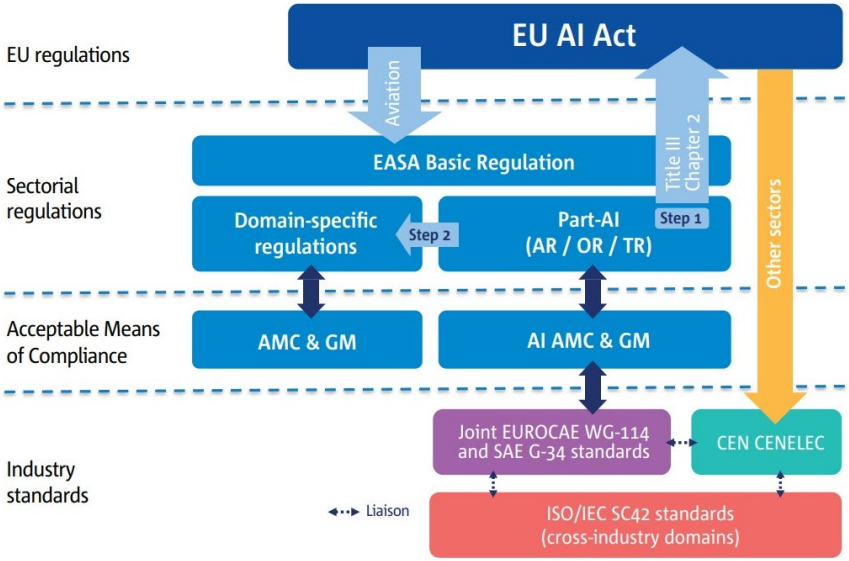
Scope of technology covered by Roadmap 2.0

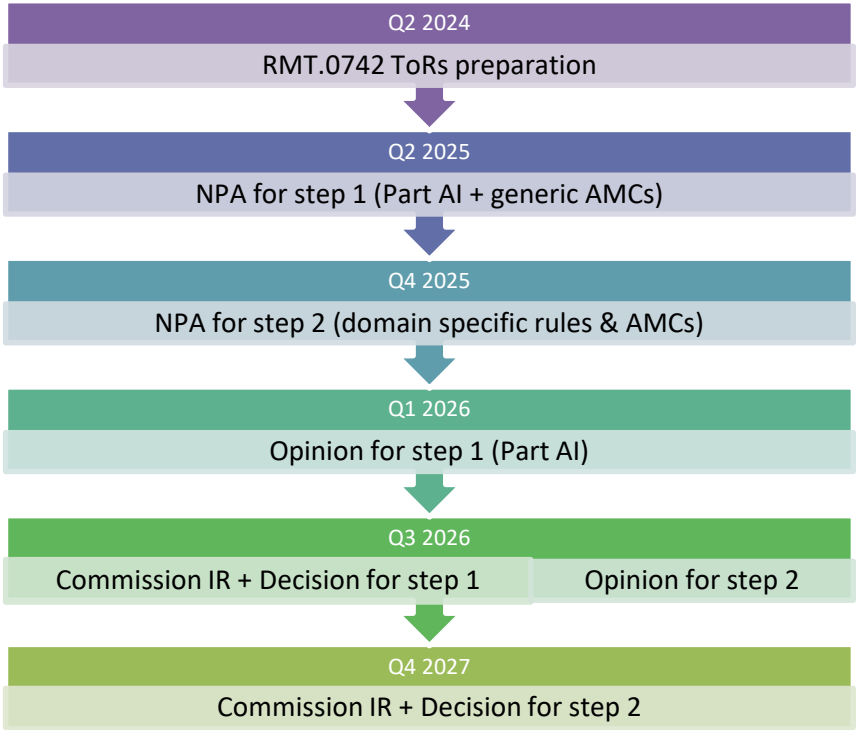


AI Concept Paper Issue 02

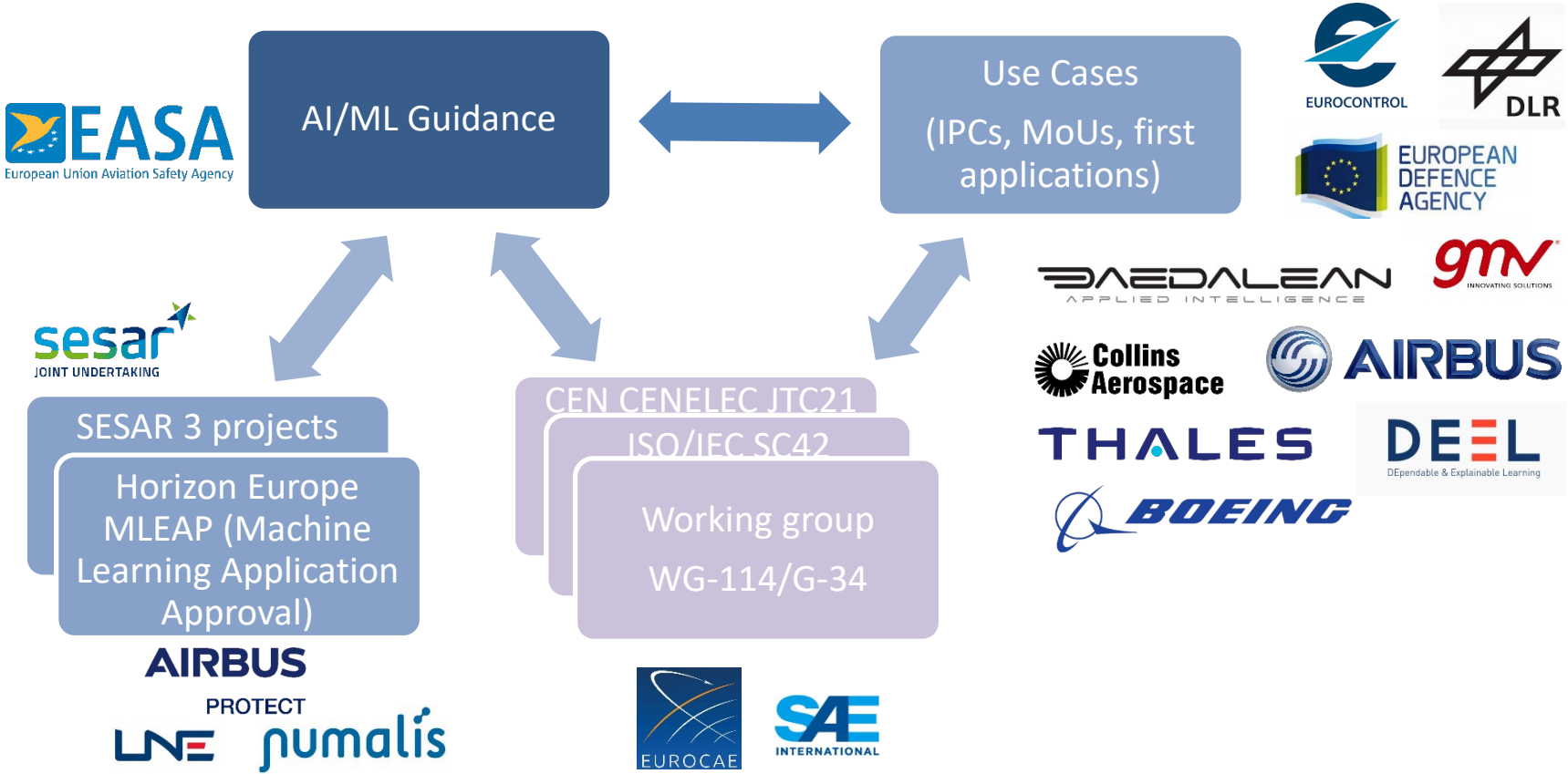


Rulemaking plan for AI





Collaborative approach with all Stakeholders



IPC = Innovation Partnership Contract
MoU = Memorandum of Understanding

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Thank you for your attention!

Any further questions?

easa.europa.eu/connect

Your safety is our mission.

An Agency of the European Union