

EASA Artificial Intelligence (AI) Roadmap

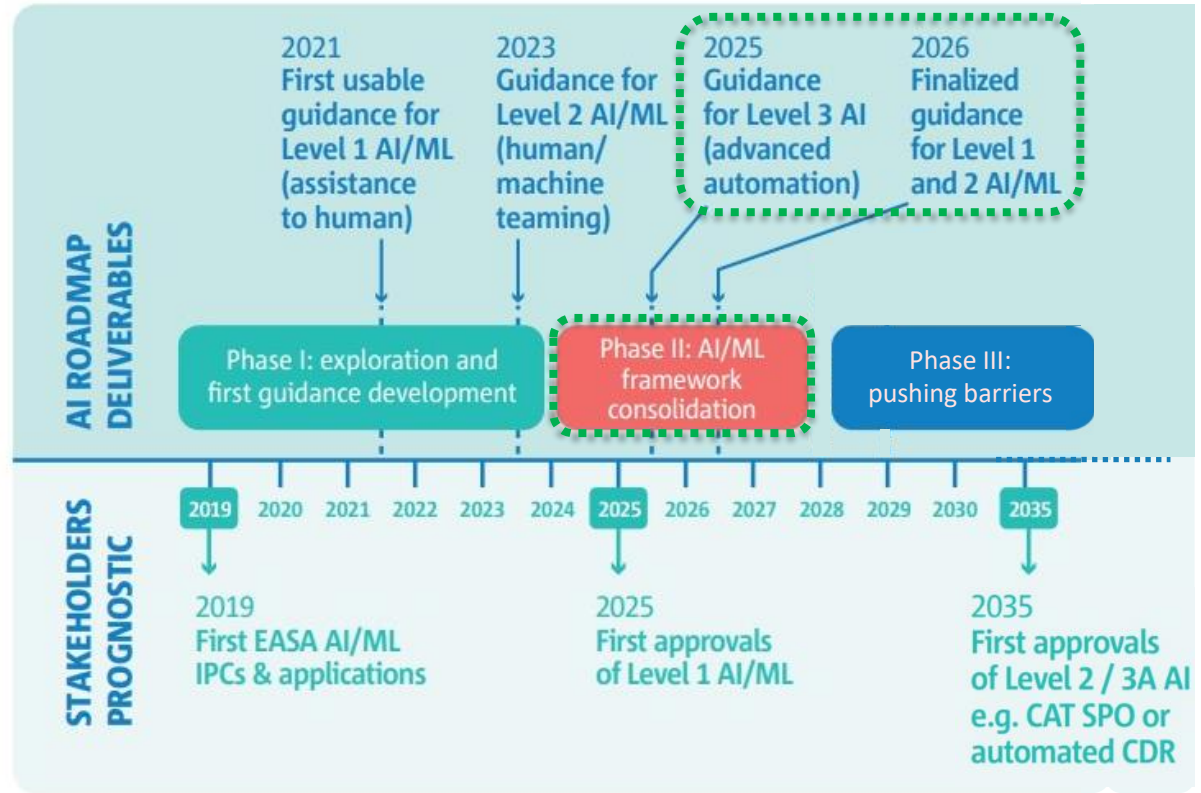
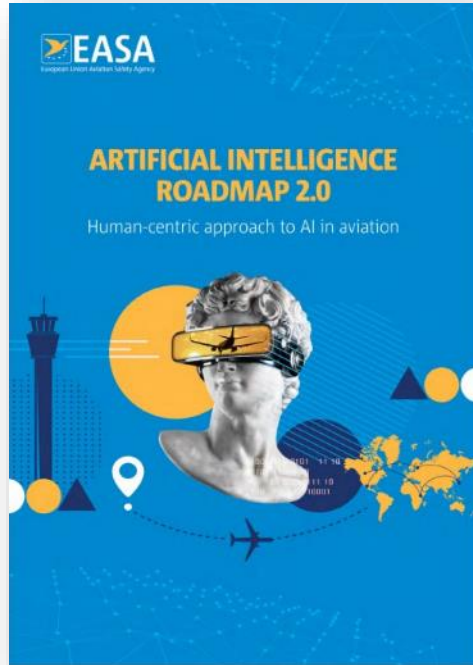
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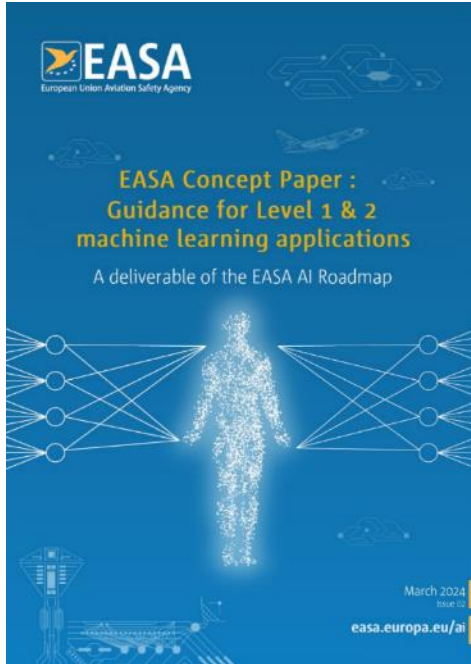
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EASA AI Roadmap 2.0: consolidation phase



EASA AI Concept Paper – Publication of Issue 02



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<https://easa.europa.eu/ai>

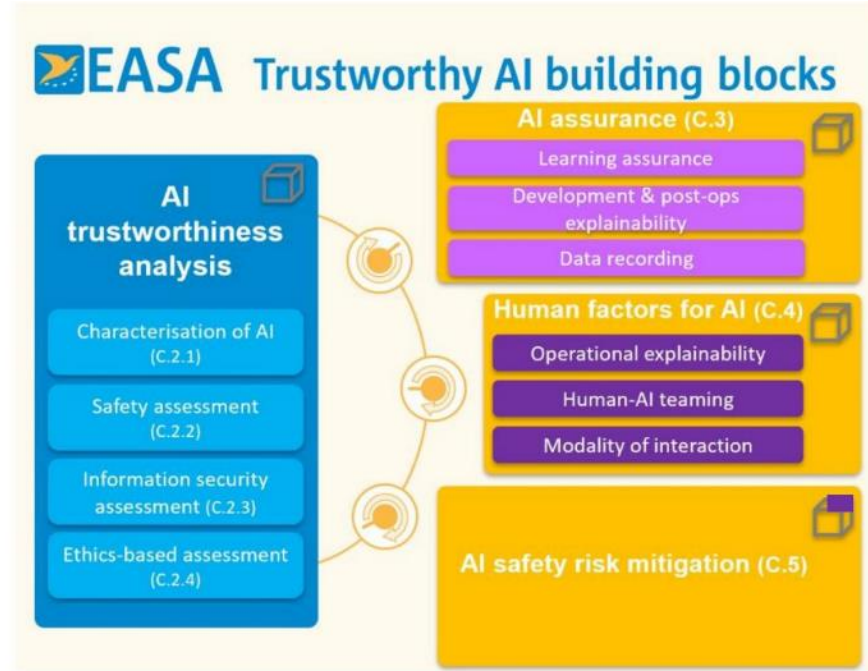


Figure 3 — EASA AI trustworthiness building blocks

AI Roadmap 'consolidation phase' overview

→ Continued exploration

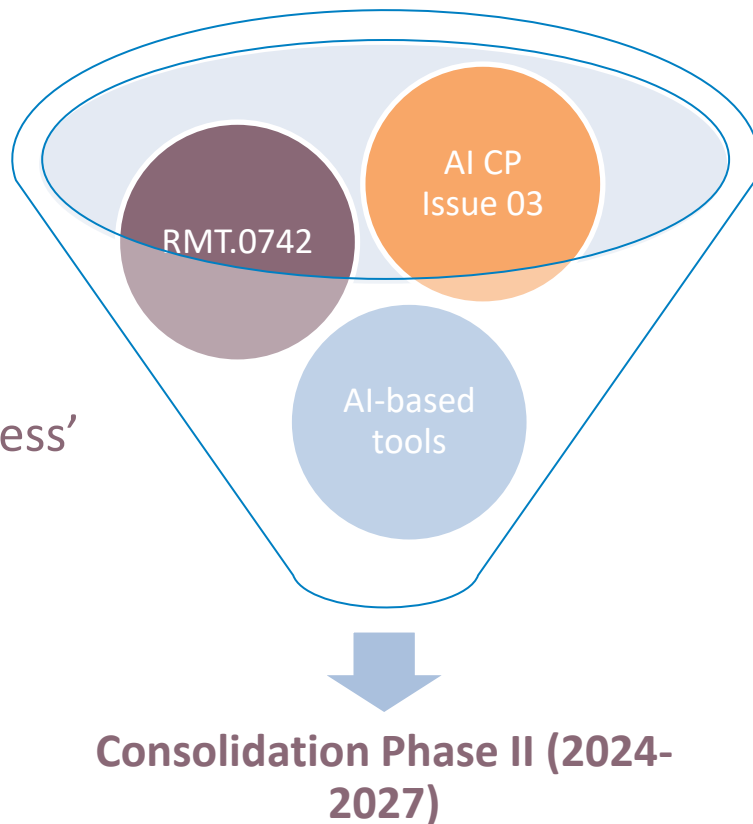
- AI technical scope extension
- Advanced automation

→ Rulemaking

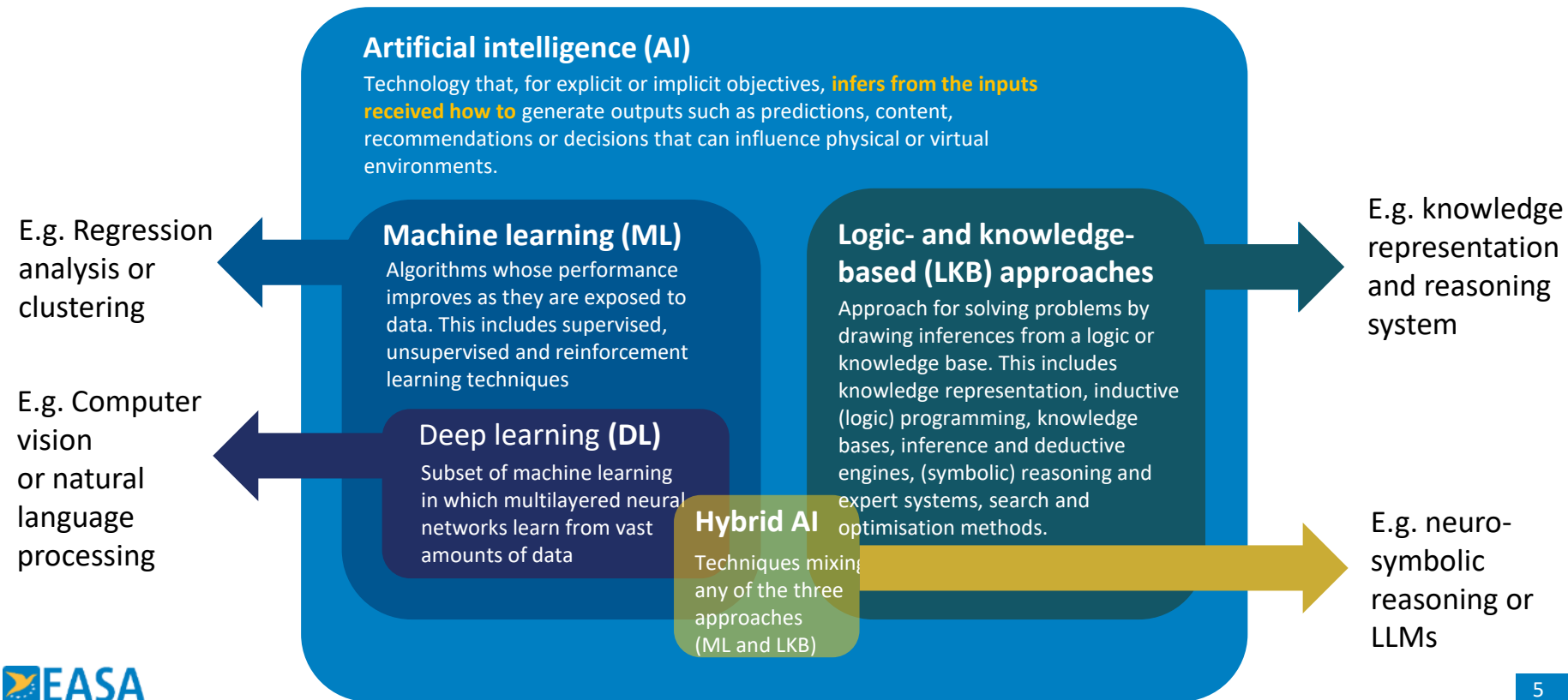
- RMT.0742 on 'AI trustworthiness'

→ AI and tools

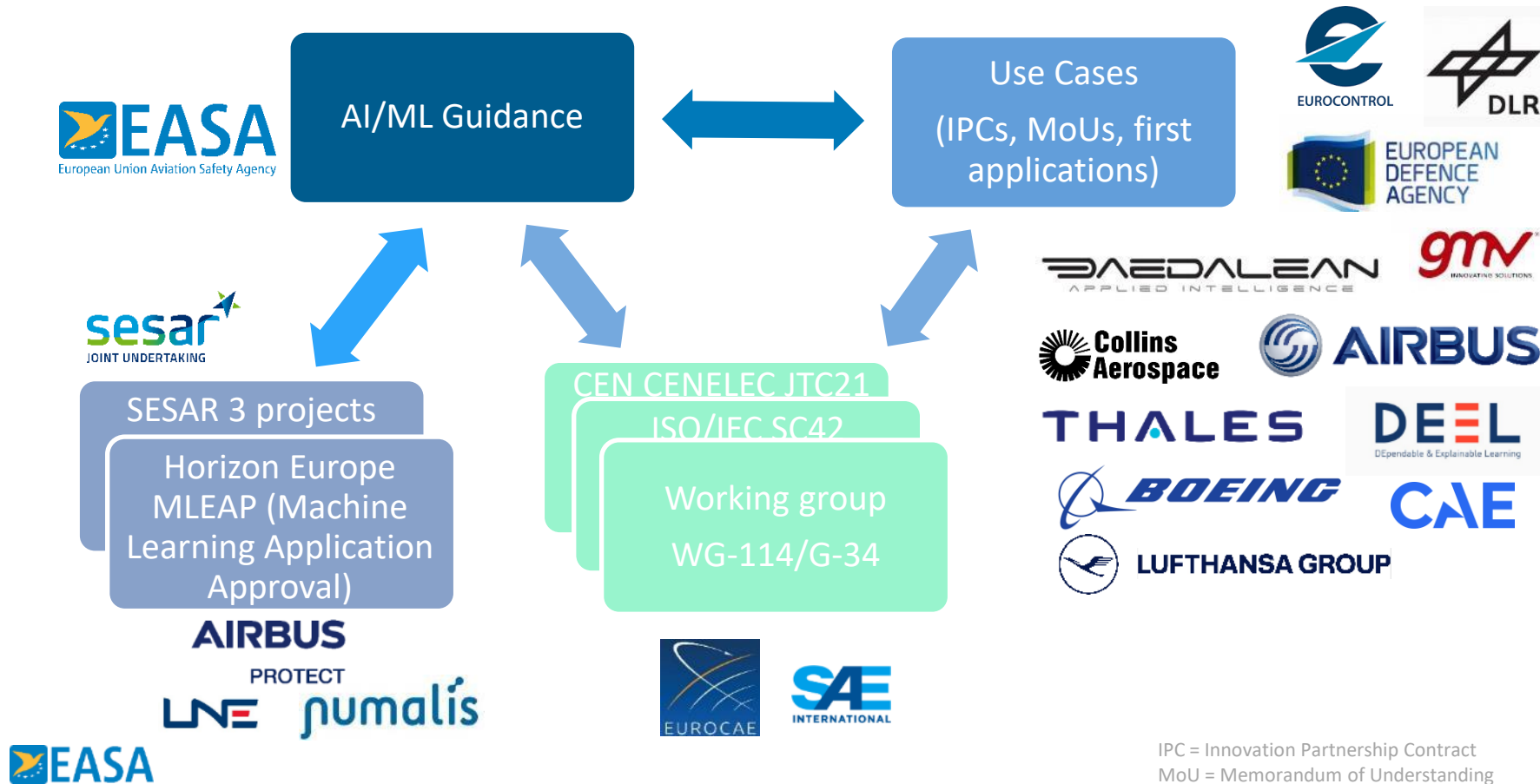
- Trustworthy AI tools



Technological scope of AI requiring guidance



Collaborative approach with all Stakeholders



Overview of concrete AI/ML use cases in aviation



Airworthiness and air operations

Visual traffic detection
Visual landing or runway incursion detection

Computer vision



A/C maintenance

Visual inspection support
Troubleshooting support

Computer vision



Flight training

Assessment of training performance

Computer vision



ATM/ANS

Conflict Detection and Resolution
Flow management

Optimisation

+ Natural Language Processing



Aerodromes

Detection of Foreign Object Debris (FOD) on runway or wildlife

Computer vision



Drones & Innovative Air Mobility

Detection of obstacles on delivery pad
Detect and avoid

Computer vision

Reasoning

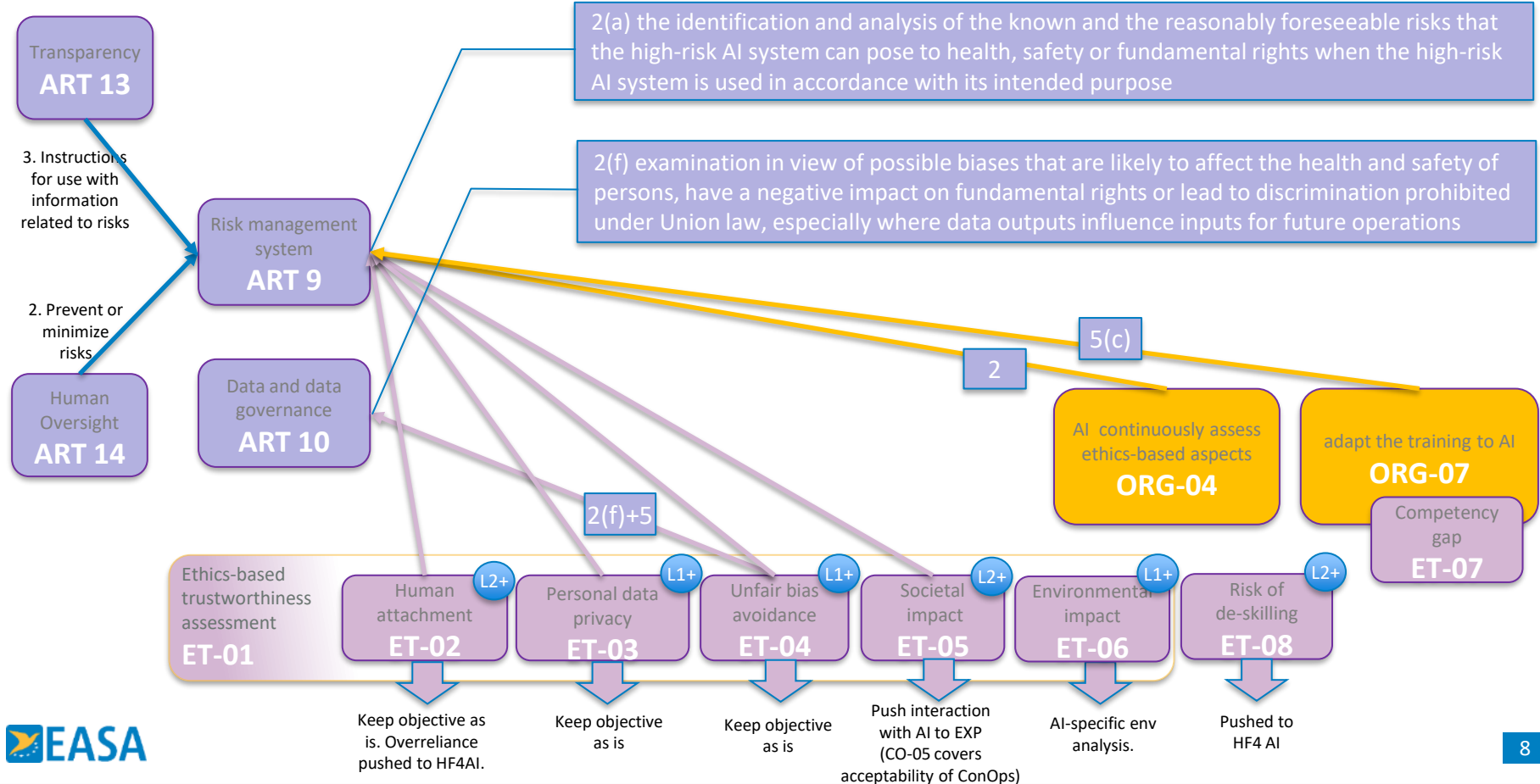


U-space

U-space conflict management

Optimisation

Ethics-based assessment – guidance concept



Thank you for your attention

Please help shape our rules - NPA 2025-07

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