

Update on Research & Innovation

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EASA Research and Innovation objectives



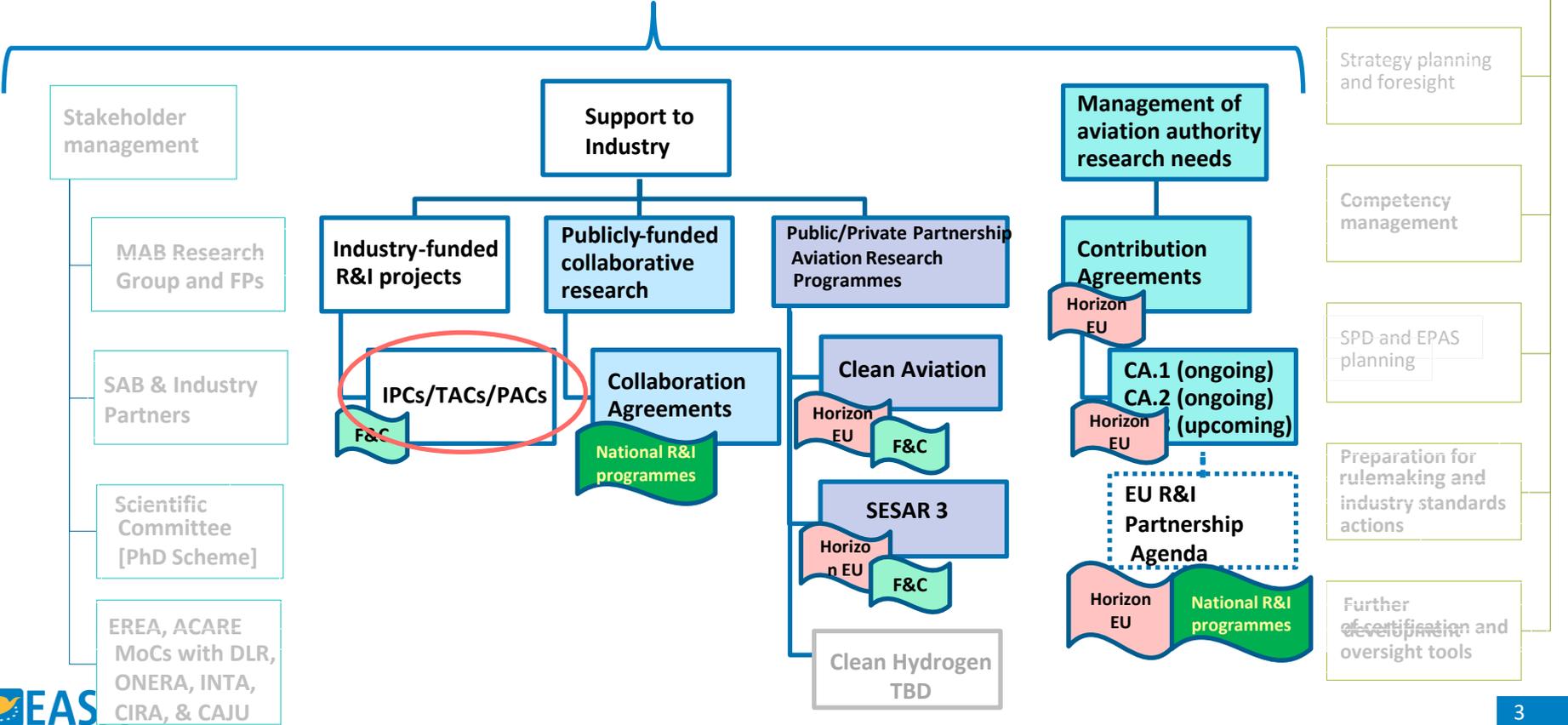
- Support the European R&I initiatives and the EU ‘Green Deal’ objectives
- Accelerate market deployment of new technologies, changes to concepts of operations
- Provide an agile and effective regulatory system for a smooth and timely integration of new products and innovative operations
- Advance safety, security and environmental impact assessments
- Develop a common EU partnership R&I agenda for civil aviation with EASA Member States, taking into consideration large EU Programmes and ongoing projects at Industry level

R&I Portfolio

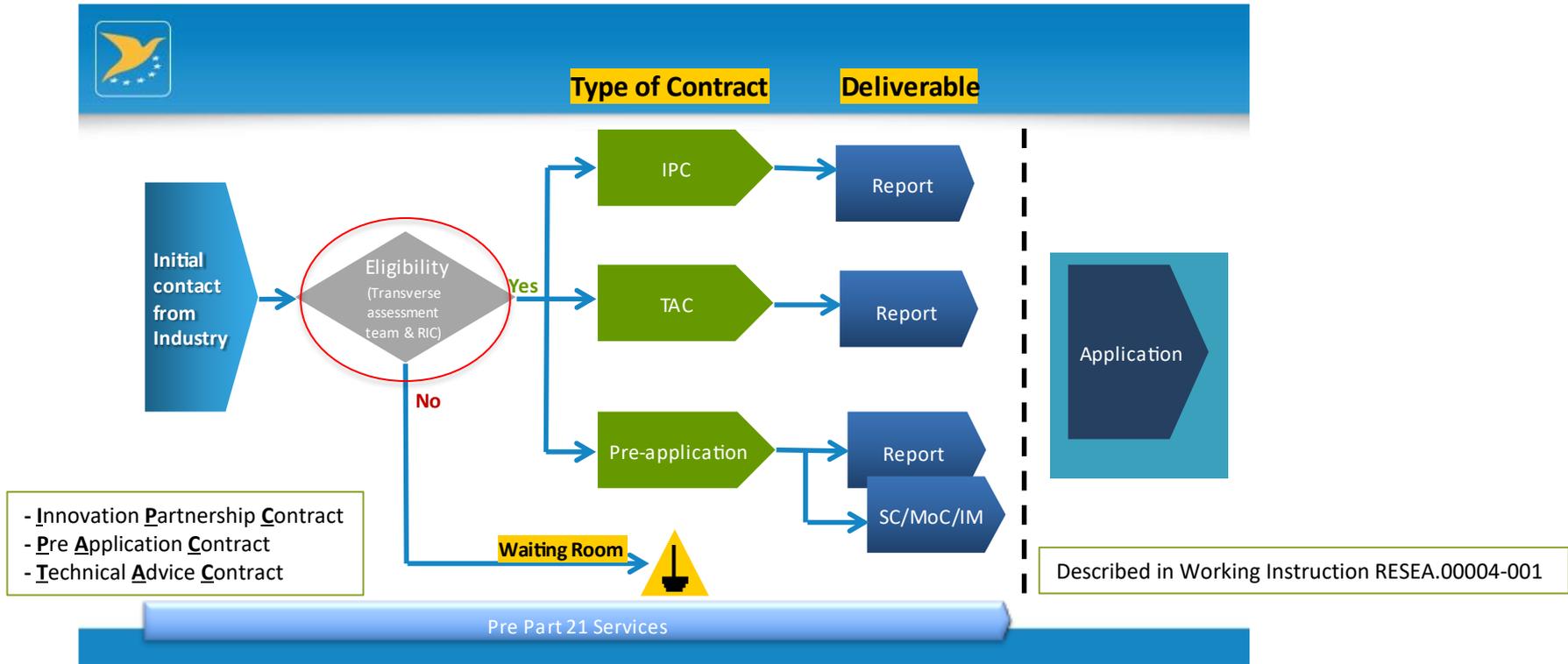
EASA Research and Innovation Portfolio

Art. 86 Basic Regulation
Single Basic Act (SBA)
EPAS actions, approved by MB

Related EASA components



Pre Application Services (IPC/PAC/TAC) - New Workflow



Pre Application Services (IPC/PAC/TAC) - New Workflow

Key Steps:

- **Step 1 - Eligibility Assessment:** Transversal assessment (CONOPS, ATM, Organisation maturity, etc) of incoming requests presented to the EASA Research & Innovation Committee
- **Step 2 - Endorsement:** RIC endorsement of the eligibility assessment
- **Step 3 - Negotiation:** Contract negotiation (IPC/PAC/TAC) and monitor progress
- **Step 4 - Validation:** Validation of reports and publication of Generic SC/MOC/IM as necessary

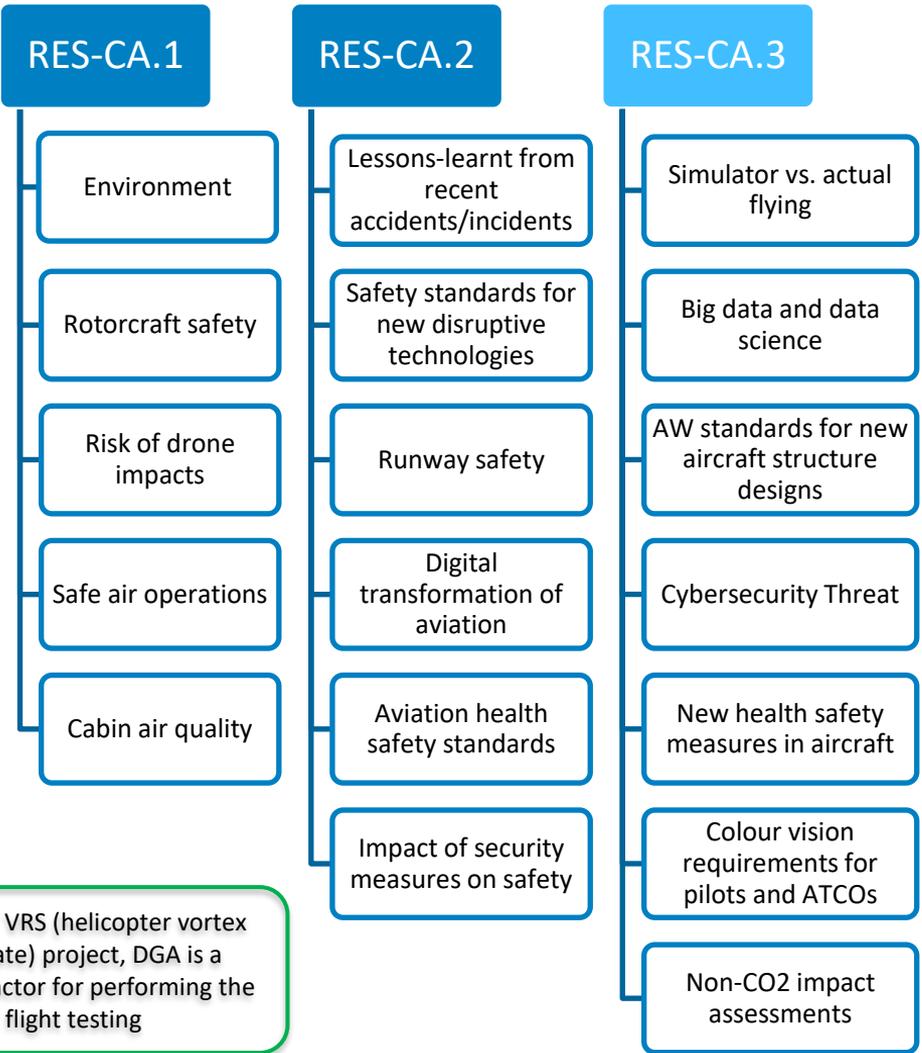
Partnerships with Joint Undertakings

- Participation in the **SESAR 3 JU Governing Board** (as observer), Scientific and Programme Committees and Delivery Management Subcommittee
- Participation in the **Clean Aviation JU's Governing Board** (as observer), Technical Committee and Scientific Advisory Board
- Participation in **Clean Aviation and SESAR 3 projects** - Expected benefits:
 - Coordinate the **review of safety argumentation**, supporting the approval and endorsement of safety cases
 - **Prepare the needed regulations (across all domains)** incl. hard and soft law
 - Coordinate the **development of relevant industry standards** for product development and deployment of new technologies
 - **Adapt certification methods and tools** for new technologies
 - **Advise on the certifiability** of different technologies



Contribution Agreements

- Main objectives:
- Strengthen EASA’s capacities as aviation authority and regulator
 - Implement strategic EPAS actions
 - Contribute to EASA’s competency management and knowledge development



EASA Scientific Committee

- Launched in 2021 and formed with 11 renowned scientists from different universities
- Tasked with the provision of advice to the Agency to tackle major changes in aviation systems and operations
- 2 initial topics to be addressed:
 - **Artificial Intelligence applications**
 - **Impact of extreme weather events on aviation**
- Support to the implementation of EASA PhD scheme

Thank you for your attention

More information on EASA Research and innovation activities:
<https://www.easa.europa.eu/domains/research-innovation>

easa.europa.eu/connect



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