

EPATS+

European Personal Air Transportation System – Study Plus

Coordination and Support Actions (Supporting)

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AAT.2010.7-12. Assessing and further developing the role of small aircraft in the air transport system

Expected impact: Proposals should demonstrate contributing to an improved understanding of the role that small-size aircraft operating on scheduled or non-scheduled flights can play as a component of the air transport system to satisfy the needs of transportation in regions where transport networks are underdeveloped.

Scope: Study to develop a **road map** and supporting **business case** to address the benefits of the use of **small aircraft** as a **component of the air transport systems**. The task will identify **the technologies** necessary to **meet the safety, environmental, operational and economic requirements**, including integration into the European ATM environment, ensuring **complementarity with SESAR**. The implications of the **safety regulation process** as it applies to small aircraft will also be considered. The **existing capabilities** in the Member States and Associated Countries regarding this sector should be assessed.

Funding scheme: Coordination and Support Actions aiming at supporting research Activities

STRATEGIC OBJECTIVES:

➔ Improving the energy efficiency of all modes of transport (according “European Strategy for Transport “),

➔ To give travellers a free choice of transport mode – according to their need, and limited by their time value,

➔ Revitalization European GA Industry and Regional Airports by opening European demand for Small Commercial Aircrafts and creating economy reasonable new component of Air Transport System.

The Goal of the EPATS+ (CSA-SA)

- ➔ The goal of the EPATS+ Study (CSA-SA) proposal is to **demonstrate** contributing to an improved understanding of the **role that small-size aircraft** operating on scheduled or non-scheduled flights can play **as a component of the Air Transport System** to satisfy the needs of transportation in regions where transport **networks are underdeveloped**.
- ➔ The EPATS+ Study (CSA-SA) project will be a very **important tool to support the European Commission** in defining appropriate actions and a roadmap to **implement the Agenda for Sustainable Future in Business and General Aviation** that was recommended by the EU Parliament Resolution on 3rd February 2009.

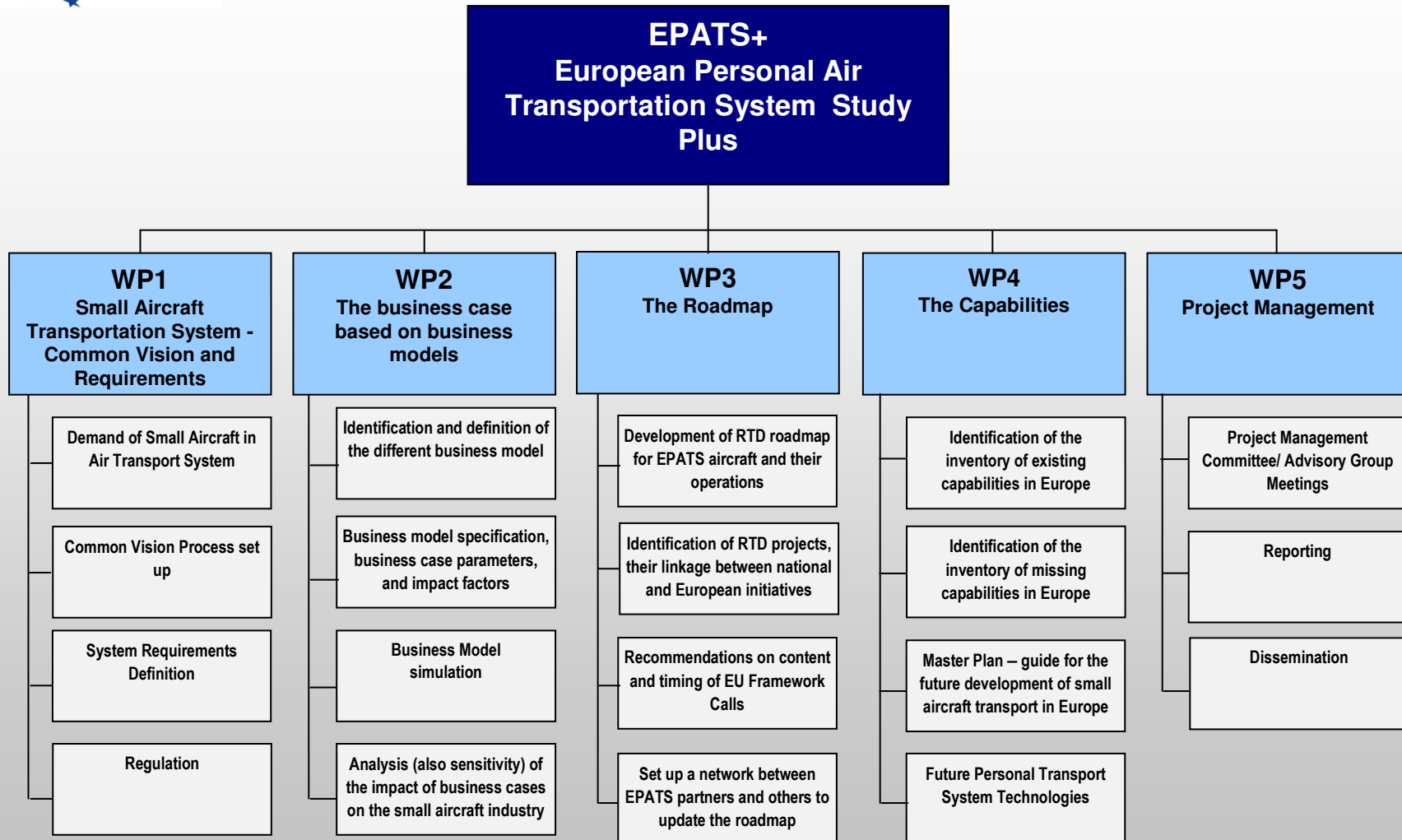
Main Issues of the EPATS+

- ➔ Definition of a **common vision** of the small aircraft transport system for inter-regional mobility through the identification of the corresponding requirements. The requirements will identify the technology needs and regulatory issues to be addressed.
- ➔ Definition of a **business case** compliant to the identified requirements which describes the relations among all the system's components.
- ➔ Assessment of **current capabilities** versus the ATS demand, collection of previous results and involvement of the stakeholders in Europe among all actors (manufacturers, research establishment, EASA, airspace users, infrastructure providers, airport managers, small aircraft service providers).
- ➔ Definition of a **roadmap** to fill the technology/regulatory/operative gaps in order to fulfill the requirements considering the current capabilities. Identification of dissemination actions and establishment of a network of stakeholders
- ➔ Assessment of **risks and benefits** of the identified new system's concept

Consortium

Participant	Country
IoA	Poland
CIRA	Italy
INCAS	Romania
NLR	Netherlands
PZL M	Poland
PIAGGIO	Italy
EVEKTOR	Czech Rep

Participant	Country
ONERA	France
BUTE	Hungary
TU DELFT	Netherlands
Ad Cuenta	Netherlands
Aelous	Netherlands
M3 S	France
BAE Systems	England



Thank you for your attention!

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