



**Workshop**  
Institute of Aviation (IoA)  
Warsaw, July 7- 8, 2009

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# EPATS VISION

**Krzysztof PIWEK / Andrzej IWANIUK**  
**(Institute of Aviation)**



## Main challenge of programme EPATS:

**E**UROPEAN  
**P**ERSONAL  
**A**IR  
**T**RANSPORTATION  
**S**YSTEM

↓

Aircraft  
Airport  
ATM - ATC  
GNSS  
Free Fly  
Operators  
Services  
Training

Airborne GNSS system and easy of use through MFD & PFD graphics will assist pilots in all flight phase in all weather condition.

Thanks to GNSS **GALILEO** and advanced technologies EPATS will allow aircraft to fly precision approaches to more than two thousands of small and unused airports that don't have ILS system and permit traveling through Europe from point to point, to more people, in near all weather conditions, at lower cost, and in time much shorter than currently.

- To explore a niche between Surface and Scheduled Air Transport.
- To provide wider use of small aircraft, served by small airports, to create access to more communities in less time, and revitalization European General Aviation Industry.
- To reduce „doorstep to destination” travel time, and increasing daily radius of action of people.



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## ***EPATS Programme Vision***

**Air Transport System** working not only in a giant hubs but as well local and regional airports

**High density of airports network** with near all-weather capabilities

**Air Traffic Management** system enables both regular passenger and intensive personal air traffic

**The innovative technologies** developed new personal aircraft, being better than the first generation of personal aircraft

**Revitalized European General Aviation** industry and development of suppliers systems like engines, landing gears, navigation sets, subsystems and parts



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**Project acronym:**

**EPATS VISION**

**Project full title:**

**EUROPEAN PERSONAL AIR TRANSPORTATION  
SYSTEM  
COMMON VISION 2020  
AND JOINT AIRCRAFT REQUIREMENTS**

**Type of Action:** Coordination and Support Action  
(coordinating)



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**The purpose of this study is to establish a common basis for planning the development of **Personal Air Transportation System** as a predominant part of General Aviation.**



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The project aims to:

- **Develop and agree with GA Community a common vision** of the functioning and development of small aircraft transportation system in Europe for the years 2020 and above,
- **Propose new category of personal airplane**, that should be introduced to the European Aviation Legislation, as a propeller and jet driven airplane, that have a seating configuration, excluding pilot seats, of 19 or less intended for passenger transport operations.
- **Define and agree with GA Community requirements for GA aircraft** intended for the transport of passengers for the years 2020 and above



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The deliverables of these studies will be the next reports:

- **European Personal Air Transportation System – Common Vision 2020**
- **Personal aircraft regulations proposals.**
- **Joint Aircraft Requirements for EPATS 2020**



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This development begins with establishing

- **common vision** of future air transportation system and
- **joint requirements** of expected aircraft.

**It is understood, that this is beyond the possibility of**

**GA SME**



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