

# Age Limitations for Commercial Air Transport Pilots

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## OVERVIEW OF THE PROJECT

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# Proposal Contribution (ref: EASA)

1. Assess the **need** for a regulatory pilot age limit in order to mitigate the risk to flight safety resulting from the potential increasing cases of **sudden incapacitation** for pilots aged over 60.
2. Considering the different types of CAT operations, determine whether the risk of incapacitation can be **mitigated** by specific health screening or shortened screening intervals rather than by an arbitrary age limit.
3. In the case of a positive answer, propose a **battery of tests** (medical, physiological, psychological, etc.) to support aero-medical decision on the applicant's fitness on an individual basis.

# Objectives (ref: EASA)

## Review the relevance and effectiveness of the age limitations for pilots involved in CAT Operations:

- **Identify the most important age related health risks** for pilots that may lead to incapacitation in different types of aircraft CAT operations.
- **Gather health data** representative of pilots' population in EU and for assessing main risk factors influenced by age.
- **Develop a comprehensive risk probabilistic model** for incapacitation using the data collected while:
  - Differentiating between categories of aircraft such as helicopter and aeroplane;
  - Differentiating between single or multi-pilot operations.
- **Describe the appropriate risk-mitigation measures** other than age limits for the identified risks in all circumstances described above.
- **Propose a number of tests** (psychological, physiological, medical, etc.) to support aero-medical decision on the applicant's fitness on the individual basis.
- **Identify main recommendations** for implementing the project results and extending them (if needed) through additional data collection(s).

# Project Team

## Consortium



Alwin van Drongelen  
Ries Simons  
Pierre Valk



Alfred Roelen  
Olaf Brouwer  
Henk van Dijk



René Maire

## Project Monitoring



Cristian Panait  
Emmanuel Isambert  
Virgilijus Valentukevicius  
Janis Vegers

# Project Tasks

- Task 1.** LITERATURE REVIEW AND GATHERING OF AVAILABLE DATA - (*Alwin van Drongelen*)
- Task 2.** RISK ASSESSMENT BASED ON OPERATIONS CONSIDERATIONS - (*Alfred Roelen*)
- Task 3.** INITIAL SCREENING OF CARDIOVASCULAR RISKS IN ASYMPTOMATIC PILOTS - (*Ries Simons*)  
ENHANCED SCREENING OF CARDIOVASCULAR RISKS IN ASYMPTOMATIC PILOTS - (*René Maire*)
- Task 4.** CONCLUSIONS AND RECOMMENDATIONS - (*Ries Simons*)

# Course of the Project



