



European Aviation Safety Agency

EASA – Update

Research Activity for Safety Improvement in a Regulatory Framework

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Mandate for Research Activities

Two fields of research activities;

- Agency's research in support of safety improvement
 - ★ Defined and financed by the Agency
 - ★ Managed by Executive Directorate
 - ★ Additionally, studies by Rulemaking Directorate in support of rulemaking activities (Regulatory Impact Assessment - RIA)
- Networking with research programmes
 - ★ Financed e.g. by EU Framework Programmes and Member States
 - ★ Results and final "market ready" product available in some distant time



Research by the Agency - Why?

Scientific grounds behind Agency's activities and decisions;

- Research can save money
 - ✦ Costs of misguided rules is high
 - ✦ Lowers risk of implementation
- Fast reaction on safety issues
- Get precise answers to very specific issues
- Develop and maintain knowledge basis within the Agency's remit
 - ✦ Investing in experts of the future
- Contribution to high level objectives; e.g. Vision 2020
- Ensure independence and impartiality
 - ✦ Promotes fairness and openness
 - ✦ Unbiased scientific evidence
- Have full access the research results



Sources of Research Proposals

- Accident Investigation Reports & Safety Recommendations
- Safety analysis/occurrence reporting
- Experts from EASA Directorates; e.g. Certification Directorate
- European Aviation Safety Programme (EASP)
- ESSI / Safety Team (ECAST, EGAST, EHEST)
- European Aviation Research Partnership Group (EARPG)
- European Human Factors Advisory Group (EHFAG)
- Others



Research Coordination/Partnership

- Internal Research Committee
- Helicopter Safety Research Management Committee - HSRMC
- EASA/FAA/TCCA/... research cooperation
- Industry and research institutes



Research Organisation

➤ Prioritisation

- ✦ Most urgent safety needs
- ✦ Most urgent regulatory development needs
- ✦ Adapt regulations to novel technology

➤ Coordination

- ✦ Avoiding Overlapping / Duplicative / Inconsistent projects

➤ Outreach & Harmonisation

- ✦ Working with major players
- ✦ Feeding into standards



Summary

- Studies and research projects contribute to the improvement of aviation safety and environmental protection!
 - Internal and external driving factors for research demand are:
 - ✦ **Safety recommendations,**
 - ✦ **Rapid technological development,**
 - ✦ **Required amendment of rules and standards**
 - Only the Agency's own research and studies can assure a high level of competence and independence.
 - In the future, directions for actions of safety improvement will come from ESSI and EASP.
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Contact point...

Point of contact in EASA for Research matters:

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More on EASA Internet

➤ Research

http://www.easa.europa.eu/ws_prod/g/g_sir_research.php

➤ Procurement

http://www.easa.europa.eu/ws_prod/g/g_procurement_main.php