

FP7 Cooperation Work Programme: Theme 7 – Transport

Call fiche

- **Call title: FP7- AERONAUTICS and AIR TRANSPORT (AAT) - 2007- RTD-1**
- Call identifier: FP7- AAT- 2007- RTD-1
- Date of publication: **22 December 2006**
- Deadline: **3 May 2007 at 17.00h (Brussels local time)**
- Total Indicative budget¹: **153.48 M €**
- Topics called:

Activity/ Area	Topics called	Funding Schemes
Collaborative Projects (CP), Network of Excellence (NoE), Coordination and Support actions (CSA)		
<u>7.1.1 THE GREENING OF AIR TRANSPORT – LEVEL ONE</u>		
<u>7.1.1.1 Green Aircraft</u>	AAT.2007.1.1.1. Flight Physics	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.1.1.2. Aerostructures	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.1.1.3 Propulsion	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.1.1.4. Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.1.1.5. Avionics	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.1.2 Ecological Production and Maintenance</u>	AAT.2007.1.2.1. Production	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.1.2.2. Maintenance and Disposal	CP (small or medium-scale focused research), CSA (coordinating)

¹ An amount from the 2008 budget is expected to be added to this call for which a new financing decision to cover the budget for that year will be requested at the appropriate time.

<u>7.1.1.3 Green Air Transport Operations</u>	AAT.2007.1.3.2. Airports	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.1 THE GREENING OF AIR TRANSPORT – LEVEL TWO</u>		
	AAT.2007.1.4.1. Integrated approach to novel engine architectures	CP (large-scale integrating projects)
<u>7.1.2 INCREASING TIME EFFICIENCY – LEVEL ONE</u>		
<u>7.1.2.1 Aircraft Systems and Equipment for Improved Aircraft Throughput</u>	AAT.2007.2.1.1 Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.2.1.3. Maintenance and Repair	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.2.2 Time Efficient Air Transport Operations</u>	AAT.2007.2.2.2. Airports	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.3 ENSURING CUSTOMER SATISFACTION AND SAFETY – LEVEL ONE</u>		
<u>7.1.3.1 Passenger Friendly Cabin</u>	AAT.2007.3.1.1.Design Systems and Tools	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.1.2. Noise and Vibration	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.1.3. Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.3.2 Passenger Friendly Air Transport Operation</u>	AAT.2007.3.2.1. Maintenance and Repair	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.2.2. Airports	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.3.3 Aircraft Safety</u>	AAT.2007.3.3.1. Aerostructures	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.3.2. Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.3.4. Human Factors	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.3.4 Operational Safety</u>	AAT.2007.3.4.1. Design Systems and Tools	CP (small or medium-scale focused research), CSA (coordinating)

	AAT.2007.3.4.2.Maintenance	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.4.4. Airports	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.3.4.5.Human Factors	CP (small or medium-scale focused research), CSA (coordinating)
7.1.3 ENSURING CUSTOMER SATISFACTION AND SAFETY – LEVEL TWO		
	AAT.2007.3.5.1. Integrated approach to scalable fault-tolerant avionics	CP (large-scale integrating projects)
	AAT.2007.3.5.2. Integrated approach to aircraft electromagnetic environment	CP (large-scale integrating projects)
7.1.3 ENSURING CUSTOMER SATISFACTION AND SAFETY – STRUCTURING		
	AAT.2007.3.6.1. Integration of research capacities in the domain of aviation safety	NoE
7.1.4 IMPROVING COST EFFICIENCY – LEVEL ONE		
<u>7.1.4.1 Aircraft Development Cost</u>	AAT.2007.4.1.1. Design Systems and Tools	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.1.2. Aerostructures	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.1.3. Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.1.4. Avionics	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.1.5. Production	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.4.2 Aircraft Operational Cost</u>	AAT.2007.4.2.1. Flight Physics	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.2.2. Aerostructures	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.2.3. Propulsion	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.2.4. Systems	CP (small or medium-scale focused research), CSA (coordinating)

	AAT.2007.4.2.5. Avionics	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.2.6. Maintenance	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.4.3 Air Transport System Operational Cost</u>	AAT.2007.4.3.1. Design Systems and Tools	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.4.3.4. Human Factors	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.4 IMPROVING COST EFFICIENCY – LEVEL TWO</u>		
	AAT.2007.4.4.1. Integrated approach to life-cycle based development of aircraft structures	CP (large-scale integrating projects)
	AAT.2007.4.4.2. Integrated approach to network centric communications for global aircraft operations	CP (large-scale integrating projects)
	AAT.2007.4.4.3. Integrated approach to health monitoring and non-destructive evaluation of aircraft structures (<i>provisional</i>)	CP (large-scale integrating projects)
<u>7.1.4 IMPROVING COST EFFICIENCY – STRUCTURING</u>		
	AAT.2007.4.5.1. Integration of research capacities in the domain of aerodynamic flows modelling	NoE
<u>7.1.5 PROTECTION OF AIRCRAFT AND PASSENGERS – LEVEL ONE</u>		
<u>7.1.5.1 Aircraft Security</u>	AAT.2007.5.1.1. Aerostructures	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.5.1.2. Systems and Equipment	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.5.1.3. Avionics	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.5.2 Operational Security</u>	AAT.2007.5.2.2. Airports	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.5.2.3. Human Factors	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.6 PIONEERING THE AIR TRANSPORT OF THE FUTURE – LEVEL ONE</u>		
<u>7.1.6.1 Breakthrough Technologies</u>	AAT.2007.6.1.1. Lift	CP (small or medium-scale focused research), CSA (coordinating)

	AAT.2007.6.1.2. Propulsion	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.6.1.3. Interior Space	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.6.1.4. Life-Cycle	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.6.2 Step Changes in Air Transportation</u>	AAT.2007.6.2.1. Novel Air Transport Vehicles	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.6.2.2. Guidance and Control	CP (small or medium-scale focused research), CSA (coordinating)
	AAT.2007.6.2.3. Airports	CP (small or medium-scale focused research), CSA (coordinating)
<u>7.1.7 CROSS-CUTTING ACTIVITIES for implementation of the sub-theme programme</u>		
	AAT.2007.7.1. Understanding interactions between transport, energy, environment and society	CP (small or medium-scale focused research), CSA (supporting)
	AAT.2007.7.2. Understanding the behaviour of the different actors and drivers of the Air Transport system	CP (small or medium-scale focused research), CSA (supporting)
	AAT.2007.7.3. Improving passenger choice in air transportation with the incorporation of additional and new vehicles	CSA (supporting)
	AAT.2007.7.4. Stimulating radical technological changes	CSA (supporting)
	AAT.2007.7.5. Stimulating participation of small and medium size enterprises (SME)	CSA (supporting)
	AAT.2007.7.6. Stimulating improved participation of Member States with aeronautical R&D potential	CSA (supporting)
	AAT.2007.7.7. Stimulating research with International Cooperation Partner Countries	CSA (supporting)

- Evaluation procedure:
 - The evaluation shall follow a single stage procedure
 - Proposals may not be evaluated remotely
 - The evaluation criteria and sub-criteria (including weights and thresholds) for the different funding schemes are set out in Annex 2 to this work programme
 - Hearings are foreseen for Networks of Excellence and Level 2 projects.

- Indicative evaluation and contractual timetable:
 - Intended period for on-site (BXL) evaluation / panel meetings: 28th May - 8th June and 25th June – 6th July
- The forms of grants which will be offered are specified in Annex 3 to the Cooperation work programme
- The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation and outlined below.

Funding scheme	Minimum conditions
Collaborative project	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Network of excellence	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (co-ordinating)	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (supporting)	At least 1 independent legal entity
Research for the benefit of specific groups, such as SMEs	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.