FP7 Cooperation Work Programme: Theme 7 Transport (including aeronautics)

Call Fiche

Call Title: FP7- AERONAUTICS and AIR TRANSPORT (AAT) - 2008- RTD-1

• Call identifier: FP7- AAT- 2008- RTD-1

• **Date of publication:** 30 November 2007

• **Deadline:** 7 May 2008 at 17.00.00 (Brussels local time)

• **Total Indicative budget**¹: EUR 80.42 million

The indicative distribution of the Call budget is as follows:

- EUR 3 million for CSA–Supporting;
- up to EUR 2 million for topic AAT.2008.7.10 open in FP7-ERA-NET 2008-RTD, and;
- the remaining budget divided at 50% for topics funded via CP-IP (Level 2) and 50% for topics funded via CP-FP (Level 1) and CSA-Coordinating.

All budgetary figures given in this call are indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of projects, may vary by up to 10% of the total value of the call."

• **Note:** no topics for NoE are open in this Call.

• Topics called:

Activity/ Area **Topics called Funding Schemes** Collaborative Projects (CP), Coordination and **Support actions (CSA)** 7.1.1 THE GREENING OF AIR TRANSPORT – LEVEL ONE 7.1.1.1 AAT.2008.1.1.1. Flight Physics CP-FP (small or medium-Green Aircraft scale focused research). CSA (coordinating) AAT.2008.1.1.2. Aerostructures CP-FP (small or mediumscale focused research). CSA (coordinating) AAT.2008.1.1.3 Propulsion CP-FP (small or mediumscale focused research), CSA (coordinating) AAT.2008.1.1.4. CP-FP (small or medium-Systems and Equipment scale focused research),

¹ Under the condition that the preliminary draft budget for 2008 is adopted without modifications by the budget authority. An amount from the 2009 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.

		CCA (1:4:)
	A A T 2000 1 1 5 A : :	CSA (coordinating)
	AAT.2008.1.1.5. Avionics	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.1.2 Ecological	AAT.2008.1.2.1. Production	CP-FP (small or medium-
Production and		scale focused research),
Maintenance		CSA (coordinating)
	AAT.2008.1.2.2. Maintenance and	CP-FP (small or medium-
	Disposal	scale focused research),
		CSA (coordinating)
7.1.1.3 Green Air	AAT.2008.1.3.1. Flight and Air	CP-FP (small or medium-
Transport	Traffic Management	scale focused research),
Operations		CSA (coordinating)
	AAT.2008.1.3.2. Airports	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.1 THE GREENIN	G OF AIR TRANSPORT – LEVE	
		CP-IP (large-scale
	AAT.2008.1.4.1 Integrated	integrating projects)
	approach to lowering aircraft	
	external noise	
	TIME EFFICIENCY – LEVEL ON	
	AAT.2008.2.1.1 Systems and	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Systems and	Equipment	scale focused research),
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Equipment for		CSA (coordinating)
Equipment for Improved Aircraft		CSA (coordinating)
Equipment for		-
Equipment for Improved Aircraft	AAT.2008.2.1.3. Maintenance and	CP-FP (small or medium-
Equipment for Improved Aircraft	AAT.2008.2.1.3. Maintenance and Repair	CP-FP (small or medium-scale focused research),
Equipment for Improved Aircraft Throughput	Repair	CP-FP (small or medium- scale focused research), CSA (coordinating)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time	Repair	CP-FP (small or medium- scale focused research), CSA (coordinating) CP-FP (small or medium-
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air	Repair	CP-FP (small or medium- scale focused research), CSA (coordinating) CP-FP (small or medium- scale focused research),
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport	Repair	CP-FP (small or medium- scale focused research), CSA (coordinating) CP-FP (small or medium-
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports	CP-FP (small or medium- scale focused research), CSA (coordinating) CP-FP (small or medium- scale focused research), CSA (coordinating)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TW	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TW AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations 7.1.2 INCREASING	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale integrating projects)
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations 7.1.2 INCREASING TO THE TRANSPORT OF THE TRANSPORT OPERATIONS 7.1.3 ENSURING CU	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation STOMER SATISFACTION AND	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale integrating projects)
Throughput 7.1.2.2 Time Efficient Air Transport Operations 7.1.2 INCREASING 7.1.3 ENSURING CU 7.1.3.1 Passenger	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation STOMER SATISFACTION AND AAT.2008.3.1.1.Design Systems	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale integrating projects) SAFETY – LEVEL ONE CP-FP (small or medium-
Equipment for Improved Aircraft Throughput 7.1.2.2 Time Efficient Air Transport Operations 7.1.2 INCREASING TO THE TRANSPORT OF THE TRANSPORT OPERATIONS 7.1.3 ENSURING CU	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation STOMER SATISFACTION AND	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale integrating projects) SAFETY – LEVEL ONE CP-FP (small or medium-scale focused research),
Throughput 7.1.2.2 Time Efficient Air Transport Operations 7.1.2 INCREASING 7.1.3 ENSURING CU 7.1.3.1 Passenger	Repair AAT.2008.2.2.2. Airports FIME EFFICIENCY – LEVEL TV AAT.2008.2.3.1 Integrated approach to seamless aircraft health management and permanent serviceable fleet AAT.2008.2.3.2 Integrated approach to advanced avionics systems for new cockpit architectures and aircraft all-conditions operation STOMER SATISFACTION AND AAT.2008.3.1.1.Design Systems	CP-FP (small or medium-scale focused research), CSA (coordinating) CP-FP (small or medium-scale focused research), CSA (coordinating) VO CP-IP (large-scale integrating projects) CP-IP (large-scale integrating projects) SAFETY – LEVEL ONE CP-FP (small or medium-

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	Vibration	scale focused research),
		CSA (coordinating)
	AAT.2008.3.1.3. Systems and	CP-FP (small or medium-
	Equipment	scale focused research),
		CSA (coordinating)
7.1.3.2 Passenger	AAT.2008.3.2.1. Maintenance and	CP-FP (small or medium-
Friendly Air	Repair	scale focused research),
Transport		CSA (coordinating)
Operation		(111 (111 111 8)
	L	L
	AAT.2008.3.2.2. Airports	CP-FP (small or medium-
	71111.2000.3.2.2. 1 imports	scale focused research),
		CSA (coordinating)
7.1.3.3 Aircraft	AAT.2008.3.3.1. Aerostructures	CP-FP (small or medium-
	AA1.2006.3.3.1. Acrostructures	scale focused research),
Safety		//
	A A T 2000 2 2 2 G	CSA (coordinating)
	AAT.2008.3.3.2. Systems and	CP-FP (small or medium-
	Equipment	scale focused research),
	A A T 2000 2 2 4 11 E	CSA (coordinating)
	AAT.2008.3.3.4. Human Factors	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.3.4 Operational	AAT.2008.3.4.1. Design Systems	CP-FP (small or medium-
Safety	and Tools	scale focused research),
		CSA (coordinating)
	AAT.2008.3.4.2.Maintenance	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.3.4.4. Airports	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.3.4.5.Human Factors	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.4 IMPROVING C	OST EFFICIENCY – LEVEL ON	•
7.1.4.1 Aircraft	AAT.2008.4.1.1. Design Systems	CP-FP (small or medium-
Development Cost	and Tools	scale focused research),
1		CSA (coordinating)
	AAT.2008.4.1.2. Aerostructures	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.4.1.3. Systems and	CP-FP (small or medium-
	Equipment	scale focused research),
	-1k	CSA (coordinating)
	AAT.2008.4.1.4. Avionics	CP-FP (small or medium-
	111111100	scale focused research),
		CSA (coordinating)
	AAT.2008.4.1.5. Production	CP-FP (small or medium-
	11111.2000.7.1.J. 110duction	scale focused research),
		, ·
		CSA (coordinating)

7.1.4.2 Aircraft	AAT.2008.4.2.1. Flight Physics	CP-FP (small or medium-
Operational Cost	71711.2000.4.2.1. 1 light 1 liysles	scale focused research),
operational cost		CSA (coordinating)
	AAT.2008.4.2.2. Aerostructures	CP-FP (small or medium-
	1111.2000. 1.2.2. 110105014004105	scale focused research),
		CSA (coordinating)
	AAT.2008.4.2.3. Propulsion	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.4.2.4. Systems	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.4.2.5. Avionics	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.4.2.6. Maintenance	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.4.3 Air	AAT.2008.4.3.1. Design Systems	CP-FP (small or medium-
Transport System	and Tools	scale focused research),
Operational Cost		CSA (coordinating)
	AAT.2008.4.3.3 Airports	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
	AAT.2008.4.3.4. Human Factors	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.4 IMPROVING C	COST EFFICIENCY – LEVEL TW	
	AAT.2008.4.4.1 Integrated	CP-IP (large-scale
	AAT.2008.4.4.1 Integrated approach to full virtuality in	integrating projects)
	design and product development	
	within the extended enterprise	
	concept	
	AAT.2008.4.4.2 Integrated	CP-IP (large-scale
	approach to network centric	integrating projects)
	aircraft communications for global	Sir Sir Sir Sir
	aircraft operations	
7.1.5 PROTECTION	OF AIRCRAFT AND PASSENGE	RS – LEVEL ONE
7.1.5.1 Aircraft	AAT.2008.5.1.1.Aerostructures	CP-FP (small or medium-
Security		scale focused research),
		CSA (coordinating)
	AAT.2008.5.1.2. Systems and	CP-FP (small or medium-
	Equipment	scale focused research),
		CSA (coordinating)
	AAT.2008.5.1.3. Avionics	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.5.2 Operational	AAT.2008.5.2.2. Airports	CP-FP (small or medium-
Security		scale focused research),

		CSA (coordinating)
	AAT.2008.5.2.3. Human Factors	CP-FP (small or medium-
	7171.2000.3.2.3. Human 1 actors	scale focused research),
		CSA (coordinating)
7 1 5 PROTECTION	OF AIRCRAFT AND PASSENGE	
7.1.3 1 KOTECTION	AAT.2008.5.3.1 Integrated	CP-IP (large-scale
	approach to air transport system	integrating projects)
	security	integrating projects)
7.1.6 PIONEERING	THE AIR TRANSPORT OF THE	FUTURE – LEVEL ONE
7.1.6.1	AAT.2008.6.1.1. Lift	CP-FP (small or medium-
Breakthrough		scale focused research),
Technologies		CSA (coordinating)
	AAT.2008.6.1.2. Propulsion	CP-FP (small or medium-
	1	scale focused research),
		CSA (coordinating)
	AAT.2008.6.1.3. Interior Space	CP-FP (small or medium-
	1	scale focused research),
		CSA (coordinating)
	AAT.2008.6.1.4. Life-Cycle	CP-FP (small or medium-
		scale focused research),
		CSA (coordinating)
7.1.6.2 Step	AAT.2008.6.2.1. Novel Air	CP-FP (small or medium-
Changes in Air	Transport Vehicles	scale focused research),
Transportation	1	CSA (coordinating)
•	AAT.2008.6.2.2. Guidance and	CP-FP (small or medium-
	Control	scale focused research),
		CSA (coordinating)
	AAT.2008.6.2.3. Airports	CP-FP (small or medium-
	1	scale focused research),
		CSA (coordinating)
7.1.6.3 Promising	AAT.2008.6.3.1 The	CP-FP (small or medium-
Pioneering Ideas in	Cruiser/Feeder Concept	scale focused research),
Air Transport	The state of the s	CSA (coordinating)
<u>.</u>	AAT.2008.6.3.2 Take-off and	CP-FP (small or medium-
	Landing with Ground-based	scale focused research),
	Power	CSA (coordinating)
	AAT.2008.6.3.3 Personal Air	CP-FP (small or medium-
	Transport System	scale focused research),
		CSA (coordinating)
	AAT.2008.6.3.4 New Sources of	CP-FP (small or medium-
	Aircraft Main Propulsive Power	scale focused research),
		CSA (coordinating)
	ING ACTIVITIES for implement	tation of the sub-theme
programme	L	(n nn / " "
	AAT.2008.7.1. Understanding	CP-FP (small or medium-
	interactions between transport,	scale focused research),
	energy, environment and society	CSA (supporting)
	AAT.2008.7.2. Understanding the	CSA (supporting)
	behaviour of the different actors	
	and drivers of the Air Transport	

system	
AAT.2008.7.3. Improving	CSA (supporting)
passenger choice in air	. 22
transportation with the	
incorporation of additional and	
new vehicles	
	CSA (supporting)
improved sustainability and	
economic viability of aeronautical	
products	
AAT.2008.7.5.Stimulating	CSA (supporting)
improved participation of Member	
States with aeronautical R&D	
potential	
AAT.2008.7.6.Stimulating	CSA (supporting)
research with International	
Cooperation Partner Countries	
AAT.2008.7.7. Supporting the	CSA (supporting)
harmonised dissemination of	
European scientific knowledge	
from ad-hoc organisations in the	
field of aeronautics and air	
transport	
AAT.2008.7.8. Raising public	CSA (supporting)
awareness of aeronautics and air	
transport research in Europe	
AAT.2008.7.9. Supporting the	CSA (supporting)
organisation of conferences,	
workshops and other research	
related events	

• Evaluation procedure:

- The evaluation shall follow a single stage procedure
- Proposals may 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
- For Topics AAT.2008.7.1 and AAT.2008.7.2 maximum project duration not exceeding 24 months as indicated in the topic description constitutes an eligibility criterion.
- Hearings are foreseen for Level 2 projects.
- The evaluation will produce 3 ranked lists of proposals retained for funding with the corresponding reserve lists:
 - CP-FP (Level 1) and CSA-Coordinating
 - CP-IP (Level 2)
 - CSA-Supporting

• Indicative evaluation and contractual timetable:

• Intended period for on-site (BXL) evaluation / panel meetings: starting on 26 May 2008 (four weeks)

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 Collaborative project	Minimum conditions 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
Network of excellence	MS or AC. 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.