AeroSpace and Defence Industries Association of Europe

ASD-IMG\textsuperscript{4}
Industrial Management Group
Aircraft, Aero Engines, Equipment, ATM

Research & Technologies

Operation
ASD-IMG4 coordinates the manufacturing industry position with regard to the EC Civil Aeronautics Framework Programmes.
ASD-IMG4 represents the European Aeronautics Industry through the Industry Management Groups (IMG).

IMG4 comprises representation from four groupings:

**Euromart IMG (Airframe)**
- Aernnova Aerospace
- Airbus SAS
- Aero Vodochody
- Saab AB
- AgustaWestland
- EADS IW.
- Alenia Aeronautica
- EADS MAS
- AleniaAermacchi
- Eurocopter
- Bombardier Aerospace
- PZL-Swidnik
- Dassault-Aviation
- HAI
- GE Aviation Systems
- Latecoere
- GKN Aerospace Services
- RUAG
- LET Aircraft Industry
- Patria Oyj
- Piaggio Aero Industry
- SONACA
- PZL Mielec
- Stork Fokker
- S.A.B.C.A
- AeroPortal, IAI (observers)

**Engine IMG**
- AVIO
- ITP
- MTU Aero Engines
- PBS Velká Bítěš
- Rolls-Royce
- RRD
- SNECMA
- Techspace Aero
- Turbomeca
- Volvo Aero
- WSK Rzeszow

**Equipment IMG**
- Selex Galileo
- Auxitrol
- BAE systems avionics
- Cesa
- Diehl Aerospace
- Dräger AG
- Hellenic Aerospace Ind.
- Fokker-Elmo
- Lindenberg GmbH
- Sagem
- Messier-Dowty Ltd
- Selex Comms
- Messier-Bugatti
- Nord-micro
- GE Aviation Systems
- Skysoft
- Goodrich
- Saab AB
- Thales Aerospace
- Barco
- Thales avionics electronic systems
- Qinetiq
- ZF Luftfahrttechnik GmbH
- Megitt
- INASCO
- ISQ
- Jihostroj
- GIFAS

**ATM - IMG**
- Airbus
- Alenia Aeronautica
- Bae Systems
- Dassault Aviation
- EADS
- Eurocopter
- Selex Galileo
- Hellenic Aerospace Ind.
- Indra
- Raytheon Ltd
- Selex Comms
- GE Aviation Systems
- Selex Sistemi Integrati
- Thales Alenia Space
- Thales Air Systems
- Thales Aerospace

**23rd November 2009**
Criteria for Membership of IMGs

- Eligible for EC funding
  - Undertake research within EU member states

- Exploitation path for research results within the EU member states
  - Have a manufacturing base within the EU member states

- Participate in the meetings and the decision making

- All IMG activity is self-funded
ACARE SRA*: The reference

* Advisory Council for Aeronautics Research in Europe Strategic Research Agenda

June 2001: ACARE is founded
October 2002: SRA-1 - based on five Challenges

Vision 2020 (January 2001)

Meet society’s needs

Achieve global leadership for Europe

Quality and Affordability
Environment
Air Transport System Efficiency
Safety
Security
Vision 2020 Challenges

- **Quality & Affordability (Competitiveness)**
  - Challenges
    - Halve time to market
    - Competitive Supply Chain
    - Reducing travel charges

- **Environment**
  - Challenges
    - 50% cut in CO2 emissions
    - 80% cut in NOx emissions
    - 50% perceived aircraft noise

- **Efficiency of the air transport system**
  - Challenges
    - 3 times increase in traffic
    - 99% of all flights within 15 min of timetable

- **Safety and Security**
  - Challenges
    - Five-fold reduction in accidents
    - Zero successful hijack

23rd November 2009
The UTMOST priorities

SRA-1 challenges

Quality and affordability
Environment
Safety
ATS Efficiency
Security

Our utmost priorities:
Quality & Affordability → Competitiveness & Environment
ASD-IMG4

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Framework 7: Large Projects Road Map
IMG4 Process for large (L2) projects

- Each company generates ideas of projects they wish to do and are prepared to lead (bid and manage)
- Each idea is collected by the IMG representing that company (Airframe, engines, equipment, ATM)
- Within each IMG any overlaps, commonality, potential participation and budget can be identified.
- Each IMG presents its list into IMG4
- Within IMG4 overlaps can be identified and additional participation explored
- IMG4 provides the manufacturing industry priorities to the EC
- Discussions with EC to refine the list (sequencing, budget, relation to existing projects, scope, content, ...)

23rd November 2009
FP7 Technology Strategy - Level 2 Projects  
July 08 (1/3)

**Clean Sky**

- **SCARLETT**
- **MAAXIMUS**
- **HIRF-SE**

**VIVACE**

- **CRESCENDO Collaborative & Robust Engineering using Simulation**
- **SANDRA Seamless Aeronautical Networking**

**Very Low Cost ATS**

- **FACE (FP5) / E-CAB**
- **SARISTU Smart Intelligent Airframe Structures**
- **ASHLEY demonstration of next Integrated Modular Avionics**
- **3rd Generation Composite Structure with Health Monitoring**
- **HUCCE Human Centered Cabin Env.**
- **Health monitoring**
- **Pre-Certified Aircraft**
- **Module validator in engine**
- **Reduced Crew Operations**

23rd November 2009
FP7 Technology Strategy - Level 2 Projects  July 08  (2/3)

FP6

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23rd November 2009
FP7 Technology Strategy – Level 2 Projects  July 08 (3/3)

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23rd November 2009
Timeline – Example for Large (L2) projects through EC Processes

- July 2005 – December 2005 – Each IMG defines its own priorities (projects in outline, leadership, interested companies, ROM budget)
- January 2006 – Industry requirements discussed with EC
- March 2006 – For each proposed project industry lead partner and interested companies and budget confirmed
- January - March 2006 – Prioritised industry requirements for 1st Call finalised (topics, budgets) and presented to EC
- November 2006 – Framework 7 1st Call (Work Programme) formally issued
- May 2007 – Proposal submitted
- November 2007 – Start project
Europe Framework 7 Call 4

- To be published in July 2010
- Funding starts 2011
- Budget ~ €140m (€110m for L2 projects)
- Industry (IMG4) plans exceed expected budget so prioritisation is being undertaken during 2009
- Now we discuss with the EC the content of the Work Programme for Call 4
- EC processes require finalisation of industry input before end 2009
AeroSpace and Defence Industries Association of Europe

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END

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