AeroSpace and Defence Industries Association of Europe

ASD-IMG^4

Industrial Management Group

Aircraft, Aero Engines, Equipment, ATM

Research & Technologies

Operation

ASD-IMG4

The European Aeronautics industry network for R&T

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

Engine IMG

AVIO
ITP
MTU Aero Engines
PBS Velká Bíteš
Rolls-Royce
RRD
SNECMA
Techspace Aero
Turbomeca
Volvo Aero
WSK Rzeszow

Equipment IMG

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

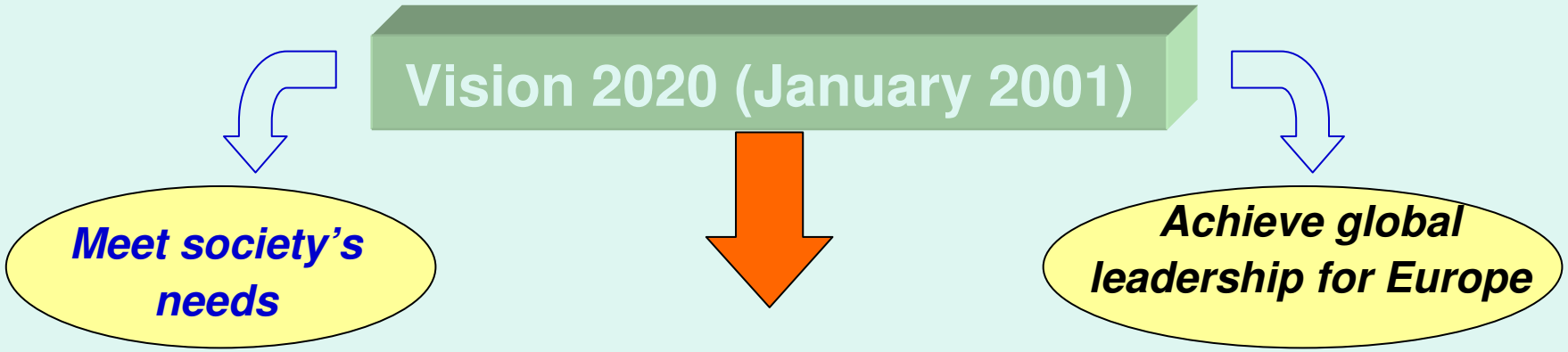
ASD-IMG4

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

- Quality and Affordability
- Environment
- Air Transport System Efficiency
- Safety
- Security

ASD-IMG4

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

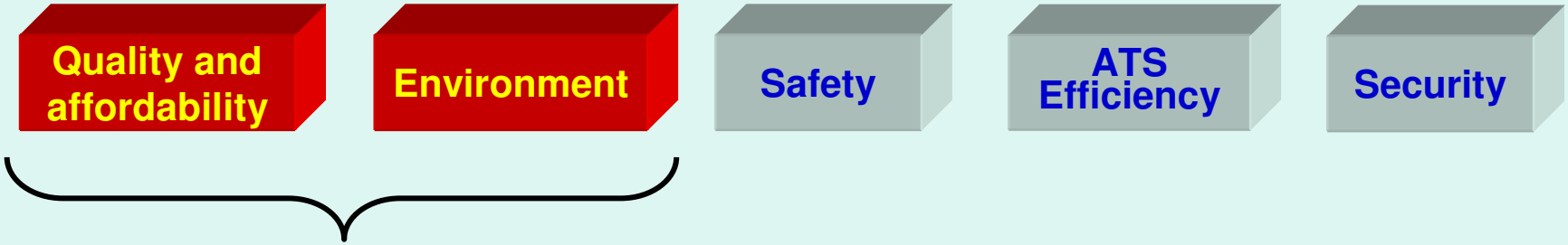
- **Challenges**
  - 3 times increase in traffic
  - 99% of all flights within 15 min of timetable

Safety and Security

- **Challenges**
  - Five-fold reduction in accidents
  - Zero successful hijack

The UTMOST priorities

SRA-1 challenges



Our utmost priorities:

Quality & Affordability → Competitiveness & Environment

ASD-IMG^4

Industrial Management Group

Aircraft, Aero Engines, Equipment, ATM

Research & Technologies

Framework 7: Large Projects Road Map

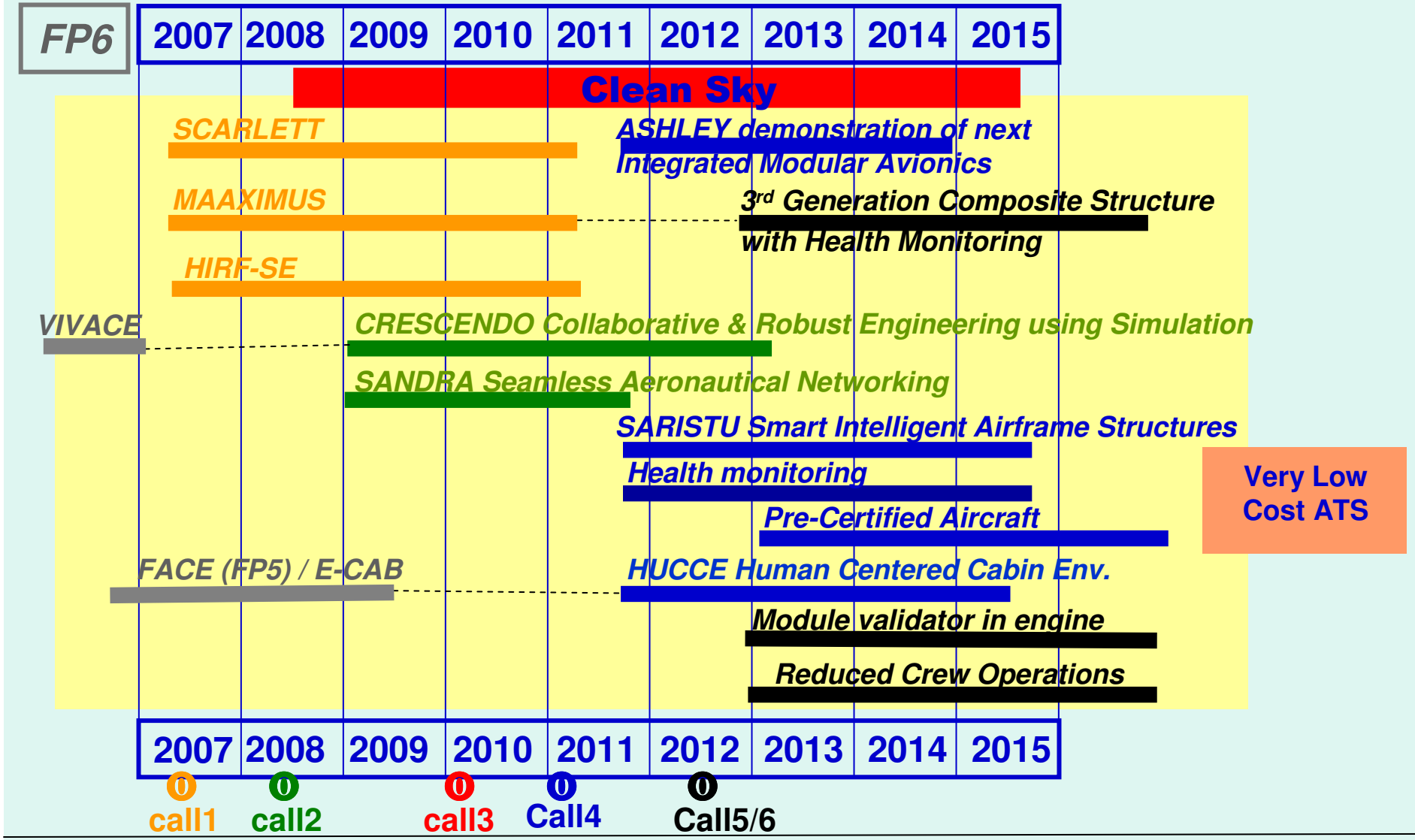
ASD-IMG4

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, …)

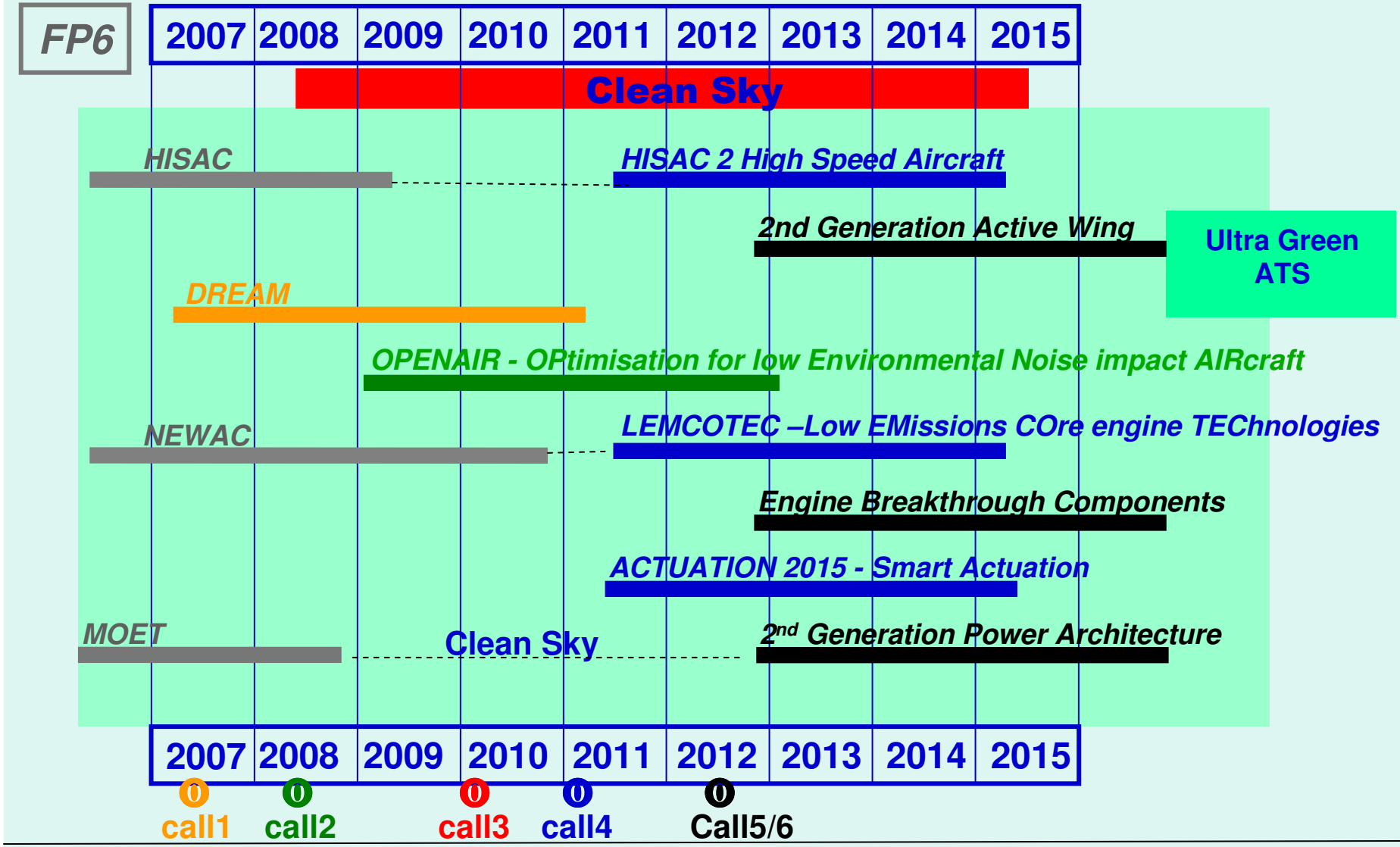
ASD-IMG4

FP7 Technology Strategy - Level 2 Projects July 08 (1/3)



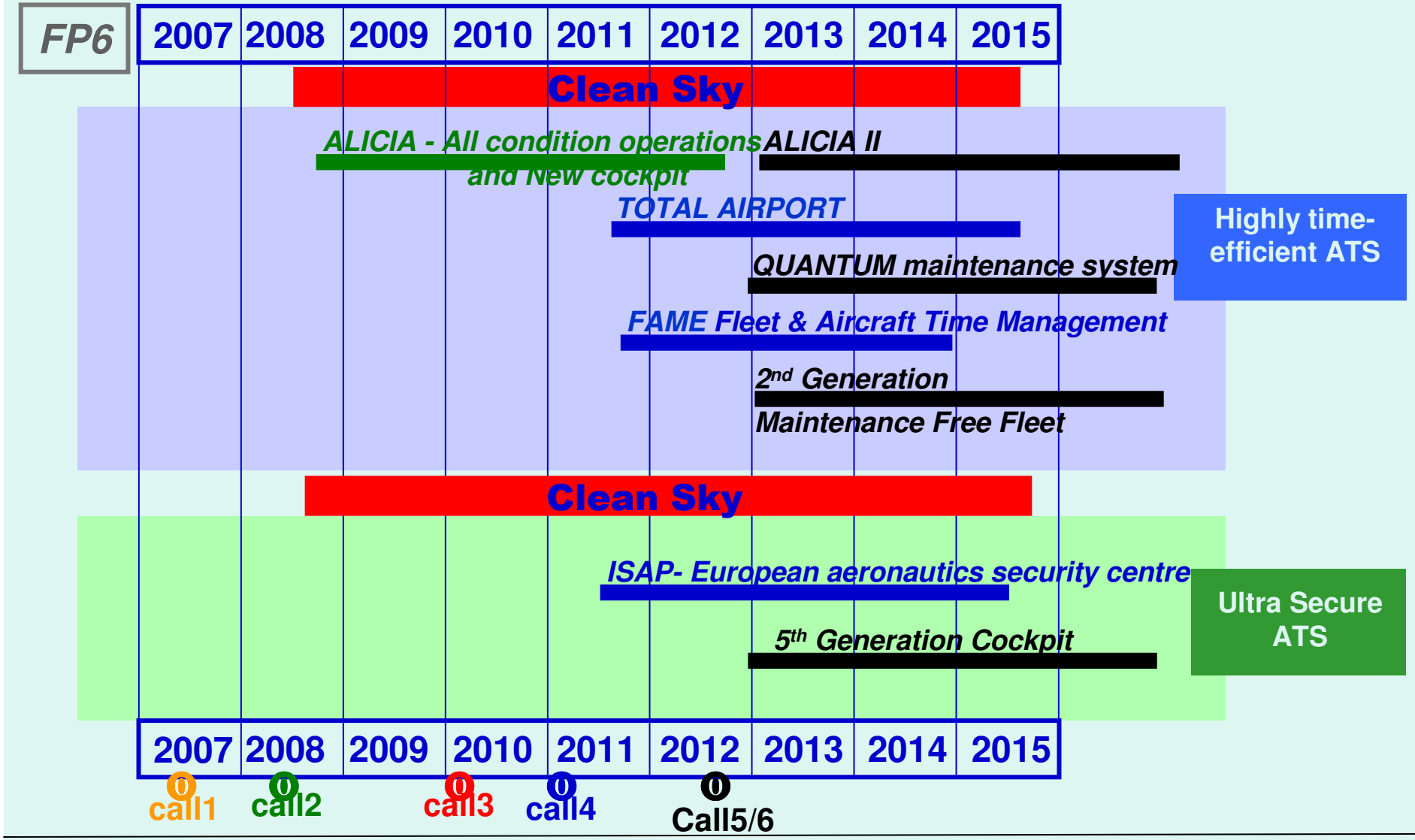
ASD-IMG4

FP7 Technology Strategy - Level 2 Projects July 08 (2/3)



ASD-IMG4

FP7 Technology Strategy –Level 2 Projects July 08 (3/3)



ASD-IMG4

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)**
- December 2005 **– Industry requirements for duration of Framework 7 (2007-2013) set out (projects, interested companies, ROM budgets)**
- 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

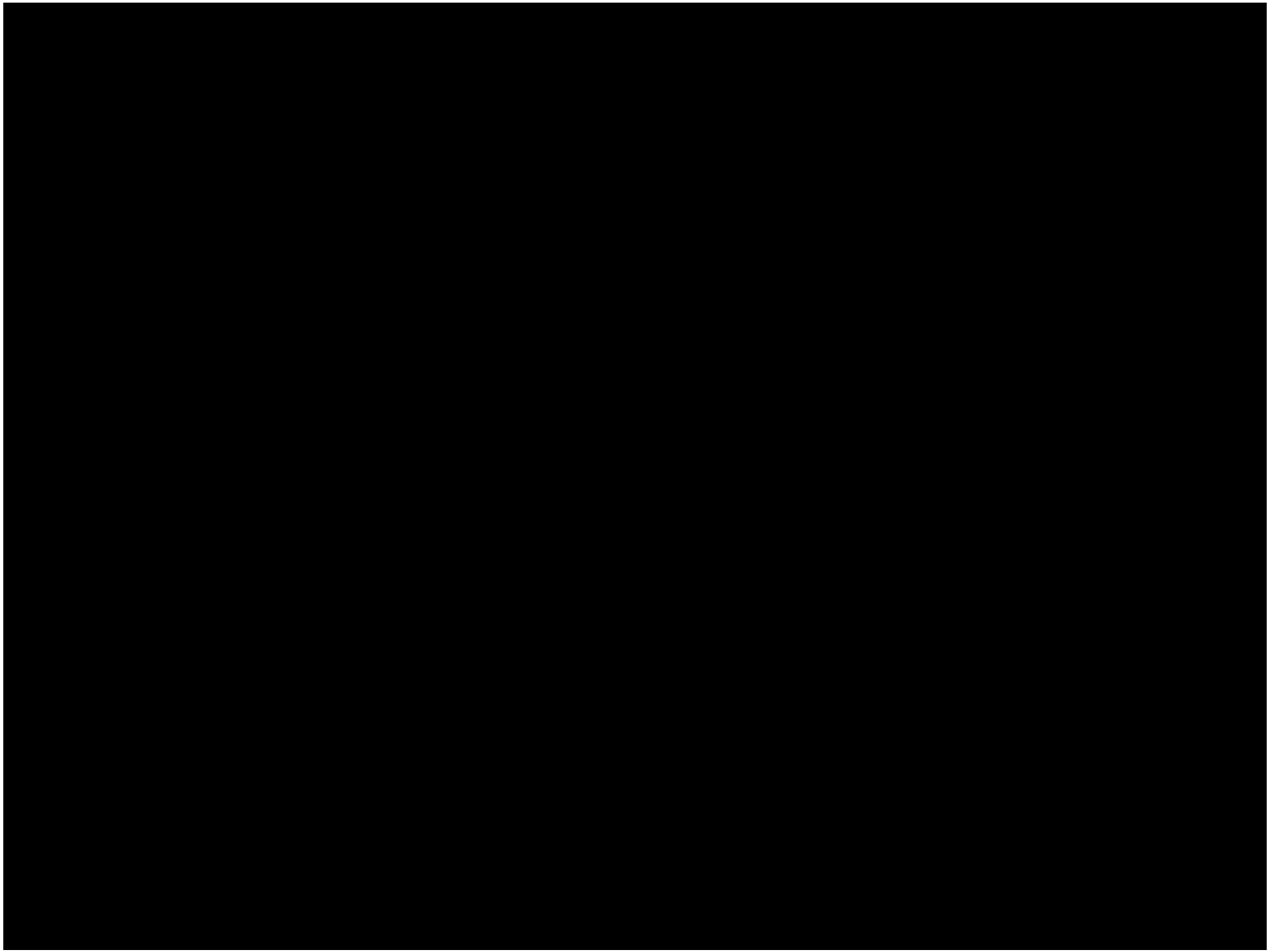
AeroSpace and Defence Industries Association of Europe

ASD-IMG^4

Industrial Management Group

Aircraft, Aero Engines, Equipment, ATM

Research & Technologies

END

Contact: Chris.Ovenden@ge.com