The SESAR development phase

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SESAR Joint Undertaking
The SESAR Joint Undertaking

- Responsible for the execution of the ATM Master Plan, and in particular the management of the SESAR Development phase
- Two founding members: the EC and EUROCONTROL
- Public-private partnership
SESAR Work Flows

ATM Master Plan (endorsed by EU Ministers, adopted by SJU Admin Board)

- SJU
  - MP Updates
  - R&D Validation

- SES
  - Regulation
  - Standardisation
  - Implementation

- Eurocontrol
The SESAR Partnership

- **European Community** funding and regulatory actions
- **EUROCONTROL** funding and in kind contribution: **alignment** of relevant EUROCONTROL activities
- **Industry**: alignment of business strategies and product development
  - 15 candidate members as part of an initial core group
  - 6 ANSPs (5+7), manufacturing industry (4+5), SMEs, airports (6+2), non EU (1+1)
- **Opened to participation from non EU organisations**
Indicative Work Programme

SJU

- WP Management
- Target concept & Architecture DFS
- ATM Network R&D Programme
- Master Plan Maintenance EUROCONTROL
- LT & Innovative Research EUROCONTROL

- R&D Overall Consistency
- Transversal Areas EUROCONTROL
- Validation Infrastructure ENAV

Network EUROCONTROL
- En Route Operations DSNA
- TMA Operations NATS
- Information Management LFV

Aeronautical Information Management EUROCONTROL
- Aircraft AIRBUS
- ATC TH/IN
- Airport IN/SEL

Air Traffic Control EUROCONTROL
- AOC
- Airport SEL/TH

En Route Operations EUROCONTROL
- SEL/TH

Air Traffic Management Systems NIAMS EUROCONTROL
- Grd CNS TH/SEL
SESAR JU management principles

- **A small entity**, complementary to existing organisations and processes (SES and EUROCONTROL)

- **A delivery-oriented work programme:**
  - Concrete deliveries *every 1-2 years*
  - *Pilot projects* enable validation of quick wins in different operational environments
  - Clear responsibilities and roles assigned to all partners

- **Need for international coordinations:**
  - NEXTGEN, ICAO

- **Geared towards implementation:**
  - The business case
  - Link with standardisation bodies
Conclusion

- SESAR opens a window of opportunity
- The SESAR Joint Undertaking is a new partner, in a facilitating/ coordinating role
- The new SESAR partnership and working arrangements complement and reinforce existing processes
- International cooperation is a high priority