



SESAR Showcase

A Conference & Exhibition of SESAR 1 Results

Amsterdam, 14-16 June 2016





Keynote address

Matej Zakonjšek

Head of Cabinet, Commissioner for
Transport, European Commission

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Introductory remarks

Jeff Poole,

Director General, CANSO

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Introductory remarks

Jan Pie,
Secretary General,
ASD Europe



Introductory remarks

Prof. Klaus-Dieter Scheurle,
A6 Chairman and CEO of DFS

A6 – Shaping Europe's ATM

Prof Klaus-Dieter Scheurle,
CM A6 Steering Board and CEO DFS
15 June 2016

A6 – A strong partner

A6 members are responsible for

- 80 percent of EU air traffic
- 70 percent of future investments

A6 focus is on two pillars:

- Research & Development
- Deployment



SESAR 1: Best practice in R&D



- Excellent opportunity to demonstrate the benefits of strong cooperation in R&D.
- Cooperative approach:
 - SESAR Joint Undertaking
 - 16 organisations (ANSPs, industry, Eurocontrol and airports)
 - Airlines, military and research institutes involved via specific agreements
- One common objective:

To improve the network

SESAR 1: Our engagement

- Participation in more than 200 projects
- More than 1,200 A6 experts have been involved
- A6 members have led
 - 6 work packages
 - 120 projects
 - more than 180 validation exercises
- Net in-kind contribution of about EUR 200 million



SESAR 1: Our results



- 17 SESAR solutions are already in operation
 - (Extended) arrival management/point merge
 - Time-based separation
 - User-preferred routings ...

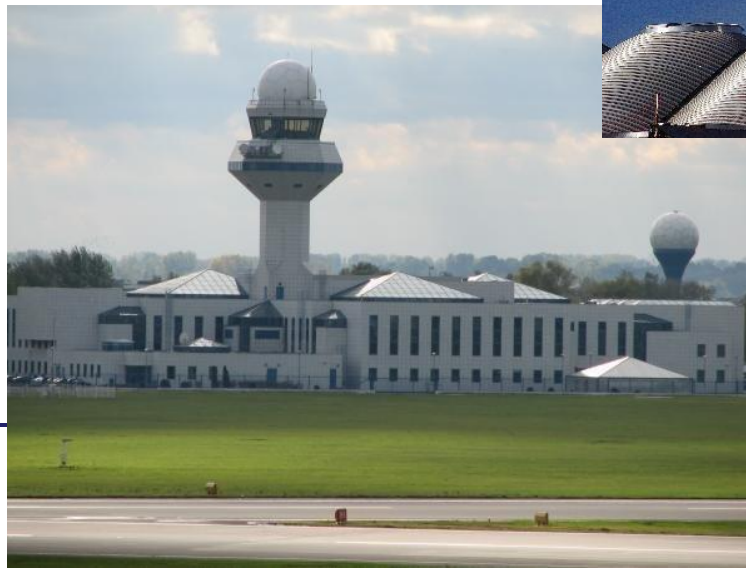
- 7 SESAR solutions have been partially deployed at some A6 sites
 - Multi-sector planning
 - Continuous descent operations
 - Free-route airspace ...

- 18 SESAR solutions will be deployed in the coming years
 - Remote tower operations for medium traffic volumes
 - Target time of arrival concept
 - Advanced short ATFCM measures ...

Our commitment: SESAR 2020

A6 will continue to play a significant role in SESAR R&D:

- 10 of 28 proposals have been coordinated by the A6 members.
- A6 will participate in all of those 28 projects.
- Expected net in-kind contribution between EUR 55 and 60 million.



SESAR 2020: Highlights

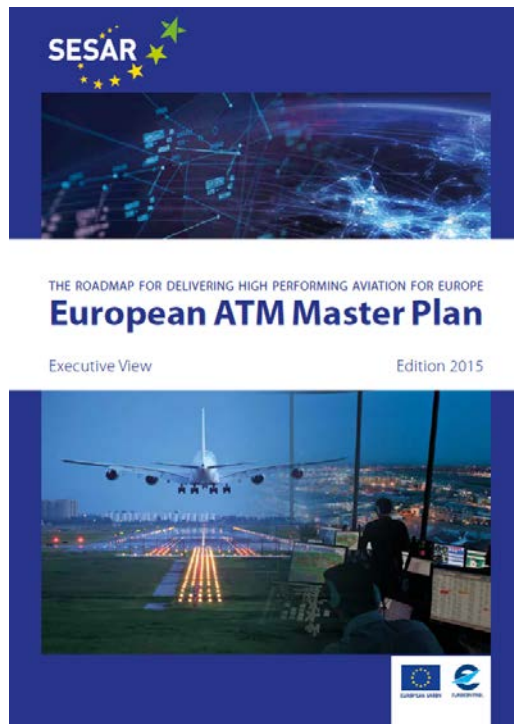
SESAR 2020 will prepare leading technologies, such as

- Flight-centric air traffic control
- 4D trajectory management with a special focus on interoperability: Ground/Ground and Aircraft/Ground
- Remote tower for multiple airports
- Further steps of automatisisation



SESAR Deployment

A6 members are committed to SESAR deployment.



The vision

Performance-based business trajectory management

**by
increasing the precision and coherence
of
both flight plan and real flight data
to
facilitate customer needs as much as possible.**

SHAPING EUROPE'S ATM

a6



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PLENARY 2

**Efficient flight operations and air
navigation service provision**

Moderated David Bowen, Chief ATM SESAR JU

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Plenary 2: Efficient flight operations and air navigation service provision



Michael Hickey,
Chief Operating Officer,
Ryanair



Koos Noordeloos,
Deputy Director Corporate
Development, Schiphol
airport



Pascal Lhoest,
Director of Flight
Operations, NetJets



Maurice Georges,
Chief Executive Officer,
DSNA



Neil Planzer,
Airspace Solutions and Air
Traffic Management
Digital Aviation, Boeing

11:00 – 11:30	COFFEE BREAK		
11:30 – 12:30	Efficient flight operations and air navigation service provision <i>Moderated by Olivia Nunez, SESAR JU</i>	Enabling infrastructure and systems capability enablers <i>Moderated by Marouan Chida, SESAR JU</i>	More efficient airport operations <i>Moderated by Robin Garrity, SESAR JU</i>
	<i>Panorama hall, floor 5</i>	<i>Auditorium, floor 2</i>	<i>Theatre, floor 2</i>
	<u>B2</u> B2.1. Extended-AMAN, <i>Gerald Regniaud, DSNA</i> B2.2. CTA including i4D, <i>Peder Id, NORACON</i>	<u>D1</u> D1.1. Electronic visibility via ADS-B for small aircraft (SESAR Demonstration Project: EVA), <i>John Korna, NATS</i> D.1.2. Trajectory Exchange using Satcom Iris Pecursor, <i>Patrick Lelievre, Airbus</i>	<u>C2</u> C2.1. Integrated surface management, <i>Hervé Drevillon, DSNA</i> C2.2. Airport safety support tools for pilots, vehicle drivers and controllers, <i>Nicolas Leon, DSNA</i>





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PLENARY 3

More efficient airport operations

*Moderated by Bo Redeborn, Former
Principle Director ATM, Eurocontrol*

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Plenary 3: More efficient airport operations



Michael Nachtigäller,
Lufthansa Programme
Manager, SESAR



Thorsten Astheimer,
Air Traffic Solutions
Manager, Fraport,
representing SEAC



Fredrik Lindblom,
Product Manager-
Collaborative Decision
Making & Efficiency
Solutions, SAAB



Rowland Hayler,
Program Leader, Gatwick
Airport



Mark Watson,
Head of Research and
Development, NATS

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14:30 – 14:45	SHORT BREAK		
14:45 – 15:45	More efficient airport operations <i>Moderated by Robin Garrity, SESAR JU</i>	Improving network management and flight planning <i>Moderated by Peter Alty, SESAR JU</i>	Enabling infrastructure and systems capability enablers <i>Moderated by Marouan Chida, SESAR JU</i>
	Auditorium, floor 2	Panorama hall, floor 5	Theatre, floor 2
	<u>C3</u> C3.1. Airport operations management, <i>Mark Burgess, Heathrow</i> C3.2. Integration of AOP-NOP and target time management- Step1, <i>Gonzalo Quiles, Indra</i> C3.3. Remote tower services, <i>Marcus Filipp, LFV & Rainer Kaufhold, DFS</i>	<u>A2</u> A2.1. Advanced flexible use of airspace (AFUA), <i>Kris Delcourte, Eurocontrol and Davide Bardelli, Lufthansa Systems</i> A2.2. Free routing and direct routing, <i>Florence Serdot-Omer, DSNA & Luigi Brucculeri, ENAV</i>	<u>D2</u> D2.1. System-wide information management (SWIM), <i>Peder Blomqvist, LFV & Xavier Jourdain, Thales Group</i> D2.2. Enabling future weather information for European aviation, <i>Rosalind Lapsley, EUMETNET & Daniel Muller, Thales</i>



PLENARY 4

Enabling infrastructure and systems capability enablers

Moderated by Pierre Bachelier, Independent ATM Expert & Former Head of ATM Programme, Airbus

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Plenary 4: Enabling infrastructure and systems capability enablers



Rolf Henke,
Chairman, ACARE



Ramon Tarrech,
Director, Indra



Captain Sven Kutschera,
Lufthansa Group



Iacopo Prissinotti,
Head of International
Strategies, ENAV



Bruno Darboux,
Vice President, Systems
Programmes & Strategy,
Airbus

17:15 – 17:30	SHORT BREAK		
17:30 – 18:30	Enabling infrastructure and systems capability enablers <i>Moderated by Marouan Chida, SESAR JU</i>	Improving network management and flight planning <i>Moderated by Peter Alty, SESAR JU</i>	Efficient flight operations and air navigation service provision <i>Moderated by Robin Garity, SESAR JU</i>
	<i>Auditorium, floor 2</i>	<i>Panorama hall, floor 5</i>	<i>Theatre, floor 2</i>
	<p style="text-align: center;"><u>D3</u></p> <p>D3.1. Improving traffic predictions and aligning trajectories with the extended flight plan, <i>Gérard Mavoian, Eurocontrol & Urban Weisshaar, Lufthansa Systems</i></p> <p>D3.2. Improving civil-military ATM performance with integrated flight plan and airspace management tools, <i>Edgar Reuber, Eurocontrol & Klaus Dieter Hermann, Airbus Space & Defence</i></p>	<p style="text-align: center;"><u>A3</u></p> <p>A3.1 Demand capacity balancing in a dynamic fashion, <i>Soenke Mahlich, Eurocontrol</i></p> <p>A3.2. Complexity management in en route, <i>Pablo Sánchez Escalonilla, ENAIRE</i></p>	<p style="text-align: center;"><u>B3</u></p> <p>B3.1. SESAR Virtual Centres, <i>Benoit Reder, DSNA & Richard Beaulieu, Thales</i></p> <p>B3.2. Integrating RPAS into the Civil Aviation System (SESAR RPAS Demonstration Project: CLAIRE), <i>Mark Watson, NATS & Neil Watson, Thales</i></p>



THANK YOU

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