DAY 1: TUESDAY, 6 MARCH 2018

TOUR 1: Controller tools and team organisation
for separation management (PJ10 PROSA)

Automation is a key enabler for managing the growing and increasingly complex air traffic across Europe. With automated tools dealing with routine tasks, air traffic controllers can concentrate on those situations where human intervention is most critical. This is where PROSA, the SESAR 2020 project, comes in. It aims to not only improve current conflict detection tools but also develop new tools providing resolution advisories and flight trajectory monitoring. The project also addresses new ways of working together through changing the traditional setup to multi-planner setup, sectorless airspace and seamless cross-border operations. Project partners will also look at the integration of remotely-piloted aircraft systems in controlled airspace .

TOUR GUIDE: Ludovic Legros, SESAR Joint Undertaking

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
10 :15 – 12 :15	**10:15**	**SESAR (890)**	**CHECK IN**	
	10:30	SESAR (890)	Introduction	Ludovic Legros, SESAR Joint Undertaking Jörg Bergner, DFS
	10:45	ENAV (927)	Remotely-piloted aircraft systems (RPAS) integration in instrument flight rules (IFR) traffic	Giovanni Riccardi, ENAV
	11:00	DSNA (480)	Improved separation management	Daniel Cario, DSNA & John Godsell, NATS
	11:15	AT-One /DLR (951)	Flight-centric air traffic control (ATC)	Vilmar Mollwitz, DLR
	11:30	Skyguide (1220)	Controller team organisation (MSP, SPO)	Pascal Latron, Skyguide
	11:45	NATS (826)	Collaborative control, generic controller validations	John Godsell, NATS
	12:00	DFS (834)	Wrap up and further discussions	Jörg Bergner, DFS
	12:15	**END OF TOUR**		

DAY 1: TUESDAY, 6 MARCH 2018

TOUR 2: Advancing ATM systems to support advanced concepts

Air traffic management is a complex job as the system needs to be capable of assessing the level of complexity in the flow of traffic and whether it has sufficient capacity both in terms of space, as well as the human resources to manage it. This tour will outline the key elements of advanced demand-capacity balancing (DCB), namely the need for collaborative planning across the network, trajectory management principles and the use of system wide information management (SWIM) technology. Participants will also hear about the systems which are already in or will soon be going into operation, which enable controllers to assess traffic complexity and proactively take corrective action, ensuring safety while optimising traffic. These systems are capable of feeding and receiving a large amount of data, predicting potential conflicts and enabling trajectory-based flights.

TOUR GUIDE: Heiko Teper, SESAR Deployment Manager

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
10:45 – 12:45	10:45	**SESAR (890)**	**CHECK IN**	
	11:00	SESAR (890)	Welcome & introduction to topic area	Heiko Teper, SESAR Deployment Manager
	11:15	EUROCONTROL (849)	Advanced demand and capacity balancing (DCB)	Hamid Kadour, EUROCONTROL
	11:30	INDRA (553)	Advanced complexity management (iACM)	Andrés Rodriguez, INDRA
	11:45	ENAV (927)	Coflight eFDP	Vittorio Pascucci, ENAV
	12:00	BULATSA (973)	Traffic complexity assessment Tool (tCAT)	Nikolay Sokolov, BULATSA Ivan Hassamski, BULATSA
	12:15	DSNA (480)	4-FLIGHT	Gérald Regniaud DSNA, Reims ACC Bruno Galvan, DSNA, Paris ACC Lionel Banege, DSNA, Marseille ACC
	12:30	ANS CR (883)	Optimised airspace user operations – improving collaborative network planning and execution via the iOAT Flight Plan	Václav Marvan, ANS CR Edgar Reuber, Eurocontrol TBC, Airbus
	12:45	**END OF TOUR**		

TOUR 3: Towards drone integration

The demand for drone services is steadily increasing, with the potential to generate significant economic growth and as well as societal benefits. However, the development of the drone industry is dependent on the ability of drones to operate in all areas of airspace, including at very low levels. Delivering solutions to support the management of drone operations and traffic are therefore key to unlocking this growth. This tour will provide some examples of the activities undertaken by SESAR and its partners who are working towards an advanced aviation environment that supports both manned and unmanned aviation. A particular focus will be given to U-space and the projects underway to support this initiative.

TOUR GUIDE: Robin Garrity, SESAR Joint Undertaking

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
12:45 – 15:00	**12:45**	**SESAR (890)**	**CHECK IN**	
	13:00	SESAR (890)	Overview of SESAR drone activities	Robin Garrity, SESAR Joint Undertaking
	13:15	DSNA (480)	Introducing RPAS IFR operations into civil air traffic	Catherine Ronfle-Nadaud, DSNA François Fraissinet, DSNA
	13:30	Airbus (1105)	U-space cooperative & non cooperative surveillance	Alexandre Piot, Airbus
	13:45	ENAV (927)	Italian solution to enable U-space in the national environment	Alessandro Ghilari, ENAV
	14:00	Unifly (1151)	U-space & Unifly's Unmanned Traffic Management (UTM) platform	Marc Kegelaers, Unifly
SEATED	14:15 – 15:00	EUROCONTROL (849)	The EUROCONTROL UAS operational concept and PODIUM	Mike Lissone, EUROCONTROL, with Unifly
	15:00	**END OF TOUR**		

TOUR 4: Advanced air traffic services (1)

This tour will present a number of ways in which SESAR partners are delivering more advanced air traffic management services in Europe. These include the implementation of a real-time meteorological information exchange platform built on big data technology and using the weather exchange model, iWXXM, which is compliant with system-wide information management (SWIM). Air navigation service providers are proving that service provision can also be enhanced through the harmonisation of their technical platforms, which not only reduces costs but also enables more precise departure and arrival routes. The tour will conclude with a demonstration of air-ground integrated 4D technology, allowing visitors to better understand how this technology will enable synchronised information exchange and overall greater predictability of traffic.

TOUR GUIDE: Ramon Raposo, SESAR Deployment Manager

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
13:15 – 14:30	**13:15**	**SESAR (890)**	**CHECK IN**	
	13:30	SESAR (890)	Welcome & introduction to topic area	Ramon Raposo, SESAR Deployment Manager
	13:45	ROMATSA (973)	Pilot platform for access services to OPMET (worldwide/ECAC) data (METAR, TAF, SIGMET) in WXXM format	Florin Stoian, ROMATSA
	14:00	COOPANS (957)	COOPANS harmonisation of technical ATM platform	Palle Gericke, COOPANS/Naviair Jaksa Zizak COOPANS/Croatia Control
	14:15	Airbus (1105)	Demonstration: air-ground integrated 4D for inflight conflict avoidance	Mattia Nurisso, Airbus Philippe Masson, Airbus
	14:30	**END OF TOUR**		

DAY 1: TUESDAY, 6 MARCH 2018

TOUR 5: Spotlight on airport operations

The tour will provide visitors with a taste of some of the automated and smart tools delivered by SESAR to improve operations at the airport. These include controller working positions that allow the integration of a broad range of so-called apps, small, very neatly integrated applications, such as for flight data handling and ground information display. The tour will also look at specific systems going into implementation, such as stripless tower operations and airport traffic alert systems, as well as the possibility of automating other areas of airport operations, such as advanced collaborative decision-making (A-CDM) at regional airports. Of course the challenge will be to keep the human in the loop in this digital era and exploratory research in this domain will also be revealed during the tour.

TOUR GUIDE: Roland Kaps-Becker, SEAC

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
14:30 – 16:30	**14:30**	**SESAR (890)**	**CHECK IN**	
	14:45	SESAR (890)	Welcome & introduction to topic area	Roland Kaps-Becker, SEAC
	15:00	ENAC (480)	Keeping the human in the loop in the digital era	Michela Terenzi, Deep Blue
	15:15	Frequentis (526)	Tower operations with integrated controller working position (iCWP)	Thomas Singer, Frequentis
	15:30	Honeywell (979)	Airport surface traffic alerts system	Jolana Dvorska, Honeywell
	15:45	ENAIRE (844)	Stripless tower operations	Iván Uclés and Germán González, ENAIRE
SEATED	16:00-16:30	EUROCONTROL (849)	Can elements of A-CDM be automated in regional airports?	Bob Graham, EUROCONTROL
	16:30	**END OF TOUR**		

TOUR 6: Digital ATM: from virtual reality to virtualisation

Stakeholders in air traffic management, like so many industries, are embracing digital technologies to improve their service provision and operations. The tour will present some of these, including virtualisation and cloud based-based solutions, which decouple the controller working position (CWP) from the provision of ATM data and technical services. The tour will also present some of the virtual and augmented reality technologies that can be applied to enhance control operations in airport towers.

TOUR GUIDE: Olivia Nunez, SESAR Joint Undertaking

TRAVEL TIME	TIME	TOUR STOPS	PRESENTATION TITLE	SPEAKER
15:00 – 16:30	15:00	SESAR (890)	CHECK IN	
	15:15	SESAR (890)	Welcome & introduction to topic area	Olivia Nunez, SESAR Joint Undertaking
	15:30	Frequentis (526)	Virtual centres	Maarten van der Lee, Frequentis
	15:45	ENAV (927)	Beyond the virtual centre concept, a digital transformation of ATM in the cloud	Luigi Mazzucchelli, ENAV
	16:00	Thales (515)	Workstation, service interface definition and virtual centre concept	Todd Donovan, Thales
	16:15	ENAV (927)	Augmented reality for advanced control towers (RETINA)	Sara Bagassi, University of Bologna Sergio Piastra, University of Bologna
	16:30	END OF TOUR		