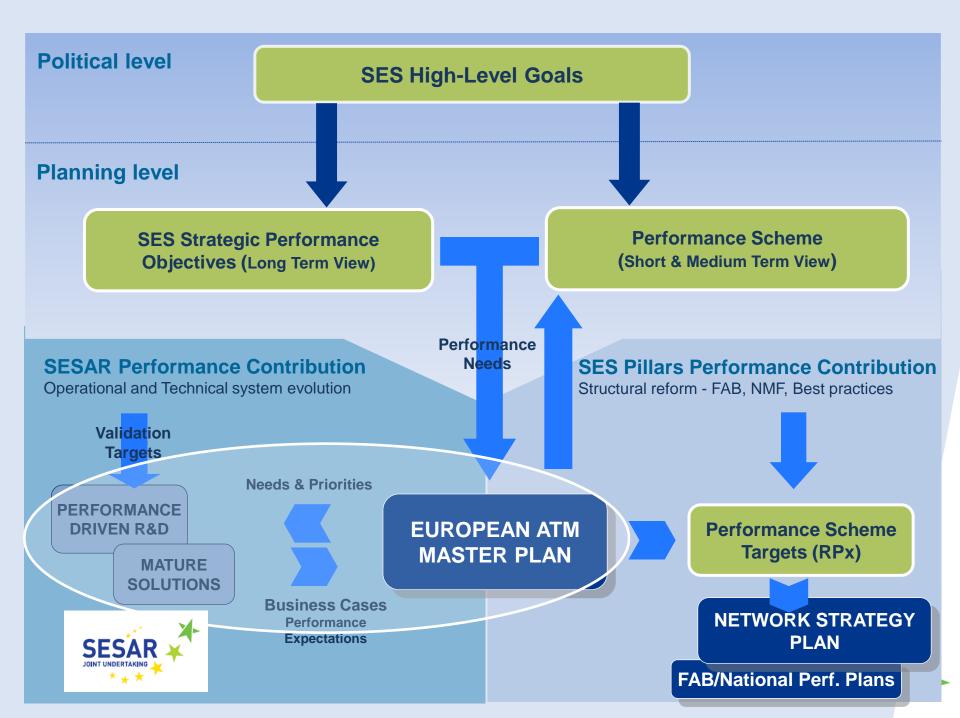


SESAR, volet technologique du Ciel Unique, statut du Programme et prochaines étapes

F. GUILLERMET SJU Deputy Executive Director







SESAR DEVELOPMENT



OPERATIONAL REQUIREMENTS SYSTEM PROTOTYPES VALIDATION ACTIVITIES & RESULTS







Q.



SESAR DELIVERY







RELIEVING CAPACITY BOTTLENECKS

KEY SESAR SOLUTIONS IN RELEASE 1



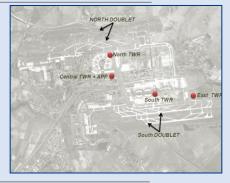
Integrated Arrival and Departure Manager

Extended AMAN Horizon

Point Merge in Complex TMA

INTEGRATED ARRIVAL AND DEPARTURE MANAGER

Validation through live trial of enhanced Departure Manager in terms of procedures for establishing pre-departure sequence at Paris CDG



- Performance improvement in terms of target start-up time, **predictability** and stability of departure sequence
- Average taxi time decreased by 9%
- Improved adherence to CFMU slots
- **Reliability** of the DMAN in bad weather conditions
- Enhanced tactical scheduling of changes to runway capacity and configuration

Time period (LT)	Improvement
6H-7H	-15%
9H-10H	-9%
12H-13H	-8%
18H-19H	-37%

Delay at the runway threshold during peak hours



Key highlights Release 2



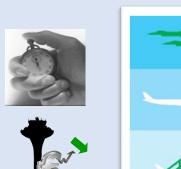


Surface planning & routing

Refinement of Time Based Separation minima









Enriched ICAO flight plan information with flight performance data provided by AOC

i4D + CTA



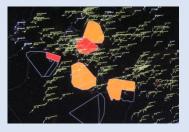








Enhanced interoperability between ASM, ATFCM tools and ATC controller working position



Going beyond the Releases: SESAR Demos



To conclude

- SESAR solutions are developed to support performance improvement
- The SESAR projects are delivering results through yearly Releases
- Exercises performed within Release 1 have demonstrated concrete contributions to the achievement of the main SESAR targets
- Some exercises demonstrate negative results allowing to close R&D options
- Release 2 is launched



Mature solutions developed in Releases will be further demonstrated to the ATM community through dedicated activities