



Stakeholders

- Network Manager
- Airspace Users

FOC **12/2021**

Estimated achievement **12/2021**

On time

Implementation progress (Average % of progress for States not Completed yet)
- Not Applicable -

SESAR Solutions: Solution #56

SESAR Key Features: Optimised ATM Network Services

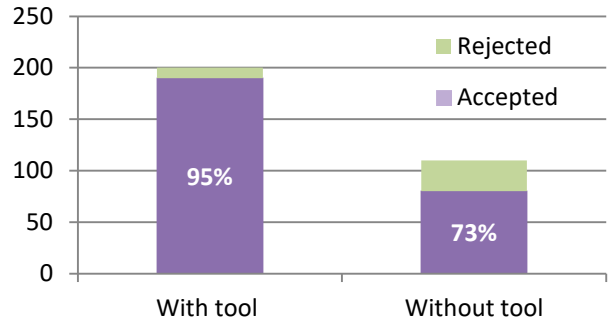
EOC/OC: Intermediate step towards UDPP – User Driven Prioritisation Process

ICAO ASBU: B1-ACDM, B1-NOPS

OI Steps: AUO-0101-A

Network Strategy Plan: SO6/1

Swap Requests

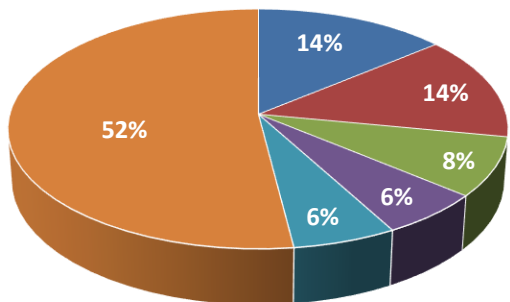


Main 2018 developments

This objective mostly involves the NM and the Airspace Users during ATFM constrained situations. The pre-tactical phase facility offered by the NM was integrated into the NM system to provide airlines and airline groups with better visibility to identify slot-swap candidates; and an easier interface to request these to NM. In practice slot swapping facilitates the Airspace User to balance the priorities of flights subject to the same ATFM regulation. A higher priority flight may transfer a portion of its ATFM delay to a lower priority flight or a low priority flight may increase its proportion of delay to benefit a neutral priority flight (reducing their delay). In addition to this, slot swapping can be used to reduce the delay of a flight by re-using the slot of a to-be cancelled flight from the same airline or airline grouping. The benefits of allowing flights to share delay between maximum three (3) other flights using 'multiple-swaps' were trialed in 2018 and will continue into mid 2019. Based upon the interim trial result, NM intends to make the procedure permanent, firstly by extending the trial until end of 2019 and then through a procedure update in the NM Operations Manual. The tentative steps after 2019 include:

- Development of a new NM B2B service to handle swap requests from FOC
- Deployment interfaces between NM B2B, E-help desk and the ETFMS
- Use of the new infrastructure to deliver automation to the single swap and multi-swaps procedure.

The savings achieved by using the Enhanced Slot-Swapping (source: Network Manager)



- Prefer not to say
- < 1000 €
- 1000-5000 €
- 5001-10000 €
- > 10000 €
- Don't know

- 4900 € - the average cost saved per single ATFM slot swap
- 7-8 M€ per year saving currently
- 500 M€ estimated over 20 years