



SESAR Validation Exercise VP-759
,Follow-the-Greens‘



SEAC presents results for SESAR Solution “Follow-the-Greens”

20 October 2015

During an Open Day in Munich on 13/10/15, SEAC (SESAR European Airports Consortium) presented the results of the validation on “Follow-the-Greens” (VP-759) to a wide variety of visitors including ANSPs, Airspace Users and Ground Manufacturing Industry.

The validation was executed on the basis of the layout and traffic characteristics of Munich Airport. Seven controllers and five pilots from different European Airlines participated in the exercise and their feedback is very positive.

The main results included a significant reduction in overall taxi times, the amount and duration of stops during taxi. This in turn led to a more fluent traffic and less fuel burn linked with reduced CO₂ emissions. During the Open Day, participants suggested that the reduced amount of radio transmissions measured during the validation may significantly relieve the controller from the current mental workload due to fewer interruptions.

Main considerations for achieving the results are an integrated controller working position as well as single lamp control with an unlit area between aircraft (known as “floating separation”). To achieve this, a surface management system covering the higher A-SMGCS functions routing & planning and guidance is needed.

To illustrate this validation and its potential benefits, SEAC produced a video which can be found here: https://youtu.be/vLpmkB_mV7U.

For further information you may contact the validation manager Marcus Rossbach at sesar@munich-airport.de