



S2020 PJ28 - Integrated Airport Operations (VLD) Summary

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Founding Members



3 Airports, 3 Solutions



Automated assistance
to controllers for
surface movement
planning and routing
(#22)

Pre-departure
sequencing
supported
by route planning
(#53)

Airport safety nets
for controllers:
conformance monitoring
alerts and detection
of conflicting
ATC clearances (#02)



Hamburg



Nice



Budapest

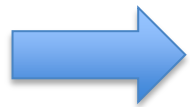
VLD Challenges



- Revealed during preparation and execution
 - Constantly changing Layouts
 - Necessary adaption of the procedures
 - Significant differences between traffic periods
 - Areas of responsibilities
 - Apron layout complexity

VLD as an important factor

- All Demonstrations showed, that live data can be used and the systems operate in the close to real environment
- Operational feasibility** and benefits have been shown in simulations (with a comparison baseline “today’s concepts” vs. “new concepts”)
- VLDs can show the **technical feasibility** of the solutions

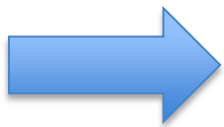


That might again impact the operational concept

Results Preparation

- Questionnaires and Workshops with Controllers
- Logged data

- Analyses
 - What is related to the solutions itself?
 - What is related to the airports and local characteristics?
 - What is related to the Shadow Mode?
 - What is related to the live data usage?



PJ28 Demonstration Report

Whats next...



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AUDIO

AIRSPACE USER SUPPORTING
DEMONSTRATIONS OF INTEGRATED
AIRPORT OPERATIONS



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„Seeing is Believing“

Thank you