

Performance Based Airport Management (PBAM)

DLR project:



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Knowledge for Tomorrow



Development from A-CDM to PBAM



What should be improved?

- information exchange between air- and landside mostly at a low level
- optimization of processes focussing not only on the departure event
- ground access should be considered as well
- performance should not be just measured and reported

What does TAM cover?

- TAM defines a cooperative and collaborative Airport Management with the view on all the parts of the airport at the same time (land- and airside, no ground access)
- Airport stakeholders will collaboratively define an AOP for the future
- KPIs of the overall Airport will be only measured and reported

What is the difference between PBAM and TAM?

- performance objectives will be the central driver for the airport management



The DLR-internal project P-AIR-FORM – what is it about?

- feasibility of a KPI driven airport management and possible advantages of the approach will be analysed
- It will be answered if the KPI controlled airport management delivers real benefits in numbers (compared with today's operations)
- it will be analysed in which way the cooperation between the airport stakeholders could work in a PBAM environment
- The size of airports we are looking at: generic midsize airport (in 2020)



How do we proceed?

How does an airport work today?

work shadowing – to understand processes better



How will PBAM work?

development of concepts and algorithms



Proof of concepts

simulations

presentation in user fora



Expectations and open issues

- Enhancement of information availability will result in improved cooperation between stakeholders
- PBAM allows earlier and more coordinated reactions on upcoming events
- Weather forecasts become more reliable and will be considered earlier than today by airport stakeholders

- When A-CDM is implemented: What requirements for data quality are needed to make PBAM work?
- How would short term interruptions (in airport operations) counteract prepared plans?
- How can the behaviour of people (or companies) be changed to follow one holistic, mandatory AOP (change management)?
- What change in real life is needed to make stakeholders accept overall KPIs as mandatory and who will be responsible if promised KPI values are missed?



Have you got
questions?

questions?

