AVIALLIANCE

4th TAM Symposium „Science2Business"
Network Integration—A Ground Coordinator Perspective
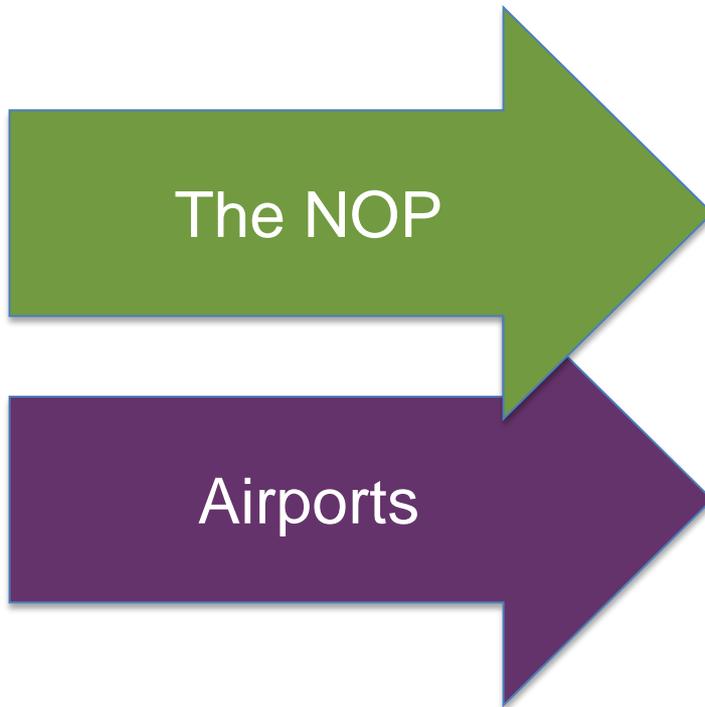
Thomas Brehmer, Director Technology

15. October 2013

Introduction

- The European ATM master plan
- The ground coordinator
- Network operations plan
- Airport operations plan
- Interplay scenarios
- Preview of integrated strategies

The European ATM Master Plan 2012

The NOP

Airports

Network operations plan

- The NOP serves two main purposes:

  - the monitoring of the real-time status of traffic, airspace and air traffic flow and capacity management measures; and

  - the planning of pan-European operations in a collaborative way from the strategic to the tactical phases, hence optimising the use of available ATM capacity.

Airport operations plan

What could it be?

- A specification, template or a guideline for all airport archetypes

Is only about airports, or rather about all aviation actors at an airport?

- A sensible plan would be to have all aviation actors involved in the production of an AOP

Who could produce such a facility?

Interplay scenarios

Logically, the NOP and AOPs should be integrated

AOP-NOP integration
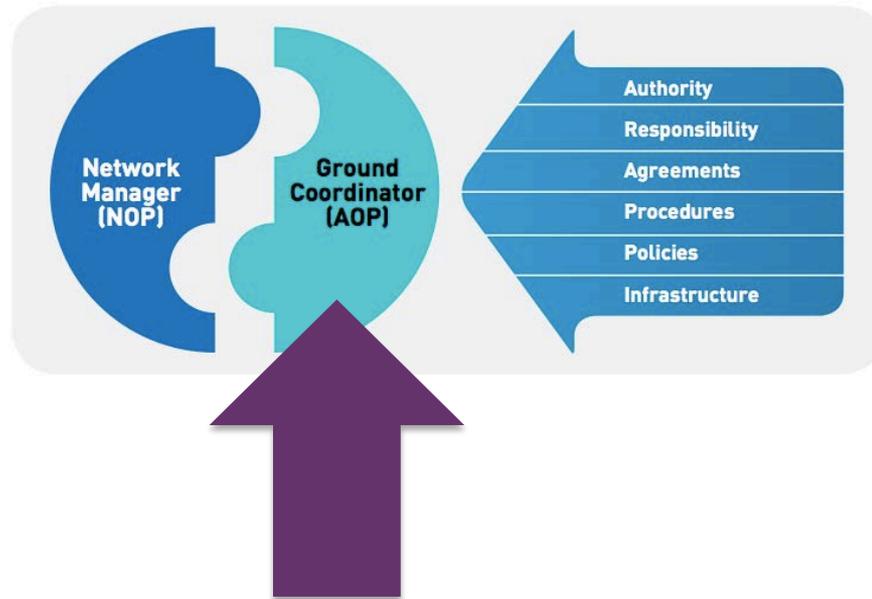
The airport section of the masterplan foresees this

Interplay scenarios

Ground coordinator$_2$

Ground coordinator$_n$

Airlines

Airport

ATC/tower

Ground coordinator$_1$

Airport Operations Plan

Human interchange

Machine interchange

Network

Network Operations Plan

Ground services

...

Preview of integrated strategies

- airport use agreement
- standards reference library
- interactive performance indicator
- integrated aviation database for operations
- main communication switching centre linking all appropriate stakeholders.
- risk management system
- nomenclatures reference list
- airport infrastructure database
- permanent and dynamic service providers list
- permanent and dynamic services catalogue
- contracts and agreements compendium
- analytics and reporting processor
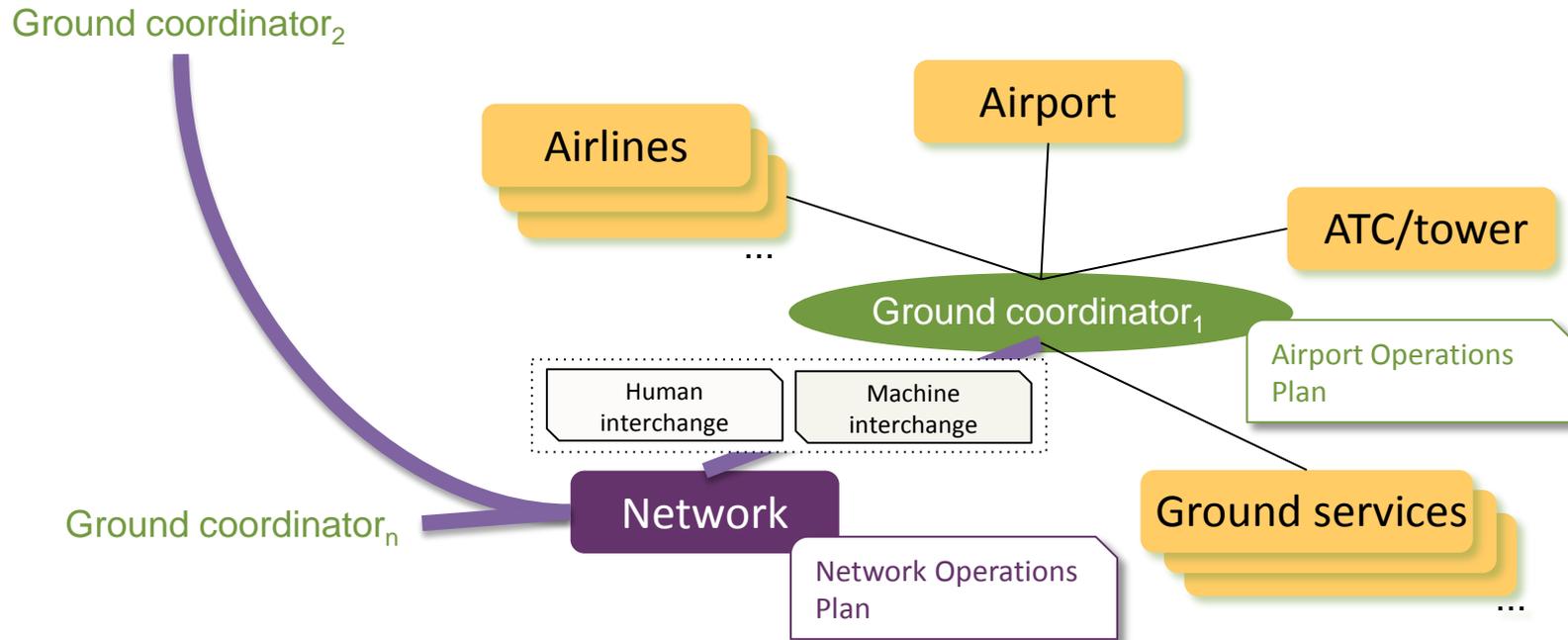- operations predictor
- applications clearing centre…

**Aviation actors under TAM:
from tactical cooperation to revenue sharing**

Information sharing

Tactical cooperation and decsion making

Pre-tactical cooperation and decsion making

Strategic cooperation and decsion making

Basic A-CDM and TAM

Advanced TAM

Collaborative planning

Collaborative planning, and ultimately financing of aviation infrastructure could be seen as a major achievement under TAM

Evolution of collaboration could eventually lead to some forms of revenue sharing in non-aviation businesses

Aviation activities of each actor predominantly common interest (but for differences in segmentation and other marketing issues

Singular interests of each actor accompanying businesses like non-aviation for airports