



INTEGRATION OF ATM SYSTEMS THROUGH AIDC

ATM/CM-SAF Agenda Item 2

CHB Gersbach

Introduction

ATS Interfacility Data link Communications (AIDC) defines messages which are related to three phases of coordination as perceived by an ATSU:

- **Notification:** aircraft trajectory / changes conveyed between ATSU's.
- **Coordination:** aircraft trajectory is coordinated between two or more ATSU's when the flight approaches a common boundary.
- **Transfer:** communications and executive control authority is transferred from one ATSU to another.



Discussion

Reduction of Coordination errors:

- Coordinated data should be extracted automatically from flight data processing system
- Coordination should occur automatically

Reduction of Controller workload

- Less reliance on ATS/DS lines
- More time available to complete other tasks

Increased Efficiency

- Controller can manage increased traffic levels
- Support Dynamic air route planning (DARPs), etc.

Controller is “out of the loop”

- What information was coordinated?
- Unintentional changes to profile (e.g. level) after coordination has occurred
- Automatic updates to profile (e.g. estimates) without controller awareness (e.g. ADS-C estimate updates)

Processing AIDC messaging for short term FIR transitions

Duplicated and unknown waypoints and ATS routes



Action by the Meeting

Consider:

- Introduction of AIDC between suitably automated ATM facilities, through structured coordination processes.
- Attached draft LOP for the coordination between adjacent ATSU's





Contact us

ATNS HEAD OFFICE

Postal address

Private Bag X15
Kempton Park
1620

Street address

Block C, Eastgate Office Park
South Boulevard Road
Bruma 2198
Gauteng
Republic of South Africa

Contact details

Tel: +27 11 607 1000

Fax: +27 11 607 1570

Website: www.atns.com

Email: marketing@atns.co.za

THE AVIATION TRAINING ACADEMY

Postal address

Private Bag X1
Bonaero Park
1622

Contact details

Tel: +27 11 570 0400

Fax: +27 11 395 3347

Thank you