

European Data Link CBA

What happened since Toulouse
meeting 7-8 October

What's New ?

- **Fast Time Simulations:**
 - EUROCONTROL
 - French CENA
- **Link 2000+ Drafting Group Meetings**
- **Institutional Meetings**
 - COM Team
 - ACG7
 - Workshop 29-03-2000
- **PAMELA**

Fast Time Simulations (1)

- **EUROCONTROL (after a Real Time Simulation in September 1999):**
 - assessment of delay reduction with COSAAC (October 1999).
 - assessment of w/l reduction and capacity increase with CAPAN (November 1999);

Results publicised in two documents

- *LINK2000+ Fast Time Simulation to assess the Impact of DATA LINK on Sector Capacity (19 November 1999)*
- *LINK 2000+ Business Case Development Simulation Final Report - Version 1 - February 2000*

Fast Time Simulations (2)

- **CENA Fast Time Simulation to assess capacity gains with d/I**
 - French & German Airspace;
 - same as in CAPAN controller's tasks modelling and reductions of time;
 - same services except ACL;
 - 100% equipage rate;
 - using the CENA's OPAS simulator.

Fast Time Simulations (3)

- **CENA Fast Time Simulation Results:**
 - They “observe more or less identical results to these of Eurocontrol tools for the data-link introduction”
 - Depending on the sectors observed, the controller w/l reduction varies from 15% to 25% at 100% fleet equipage, with an average of 21%, to be compared to 29% CAPAN’s figure.

LINK 2000+ Drafting Group Meetings



- **Business Case Progress, Discussion on Simulation Results, Discussion on CBA Assumptions, Discussion on the CBA Results from the beginning of the CBA work. From DG5 (12-08-99) to DG11 (14-03-99)**
- **Results: interactions with C/AFT and a Draft Description of the Business Case in the LINK 2000+ Master Plan**

Institutional Meetings (1)

- **COM Team 17 (23-24 February 2000):**
 - Business Case and simulation results need to be better explained;
 - Sweden promoting VDL-Mode 4 as a candidate sub-network;
 - The European ATSO Network (EAN) should be specifically mentioned as a candidate for providing ground communications elements.

Institutional Meetings (2)

- **ACG7 (8-03-2000):**
 - informed of the d/I activity;
 - requested to comment the Master Plan, and, consequently, the Business Case.

Results: so far three Members have provided comments:

- *Alenia Marconi Systems;*
- *Swedish Civil Aviation Administration Air Navigation Services Division;*
- *DFS*

Institutional Meetings (3)

- **LINK 2000+ Workshop:**
 - Participants: Airlines, ATSPs, Aircraft Manufacturers, Communication Providers, FAA, EUROCONTROL, Avionics industry, ...; more than 100 representatives;
 - Belief in the potential of d/I to provide increased capacity in the medium term and to be the foundation for more automation in the long term;
 - Strong calls from the airlines and the industry to continue work under cooperative programme.

PAMELA

- **An ATC-oriented Macro-Economic Simulation Model.**
- **Main Findings:**
 - Convergent Results between C/AFT and PAMELA when starting from same assumptions;
 - Potential Added Value.

Next Steps

- **Provisional Council July 2000: information**
- **Provisional Council November: decision**

- **STAKEHOLDERS COMMITMENT WILL BE THE KEY**