This is where the
Global ATC Data Link
Community meets

ATN2004
THE ATC DATA LINK CONFERENCE

KEY THEMES

Day One – CPDLC Deployment

European Single Sky: *hear this keynote speech from the European Commission providing the context for ATN/CPDLC deployment in continental Europe*

Link2000+: *Find out what targets have been achieved, who is using the service and how agreement on the equipment mandate is progressing. You can also use the panel discussion at the close of day one to add your views on the CPDLC mandate and beyond …*

CASCADE: *it's still in the planning stages, but this is the place to find out what EUROCONTROL's follow-on programme for Link 2000+ will comprise … and to add your views.*

Day Two – FANS-1 Status & ATN Convergence, IP Technologies & New Technologies

FANS-1: *with the FANS1/A system continuing to dominate oceanic CPDLC and ADS datalink, the need for convergence between it and ICAO CPDLC and ADS becomes ever more important. Find out what's being done, and who's doing it.*

New services for air/ground communications: *hear presentations from service providers and users on the new IP services being made available and how they integrate with other systems …*

Latest developments in new technologies: *keep up-to-speed with what's happening in communications technologies and concepts. From the Electronic Flightbag to High Altitude Comms, this is your chance to quiz the experts!*

September 14 to 15

Pre-conference tutorial:
September 13

Institution of Electrical Engineers (IEE)
Savoy Place London UK

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ATN2004
THE ATC DATA LINK CONFERENCE

This is where the Global ATC Datalink community meets

The sixth ATN Conference will be held at the IEE, London, 14th to 15th September 2004. As usual, there will be a delegate-only exhibition in parallel to the conference.

A fully revised tutorial day will precede the conference on 13th September – details on the back page.

In Europe, the Link2000+ Programme continues to build momentum and has already reached its targets for recruitment of the first pioneer airlines and ATC Centres. SAS have now started operational use of the service and Lufthansa are expected to follow later this year. The focus is now on getting the equipment mandate agreed.

Link2000+ is only a beginning and EUROCONTROL is already defining the follow-on programme – CASCADE.

In North America the situation is less certain. The FAA will switch off the Miami CPDLC service by the time the conference takes place. CPDLC will then return as part of the new En Route Automation Program (ERAM), although when and in what shape and form is not yet known.

Meanwhile the FANS-1/A system continues to dominate oceanic CPDLC and ADS datalink and the need for convergence between FANS-1/A and ICAO CPDLC becomes ever more important. New technologies continue to evolve, particularly in broadband SATCOM.

This conference offers those with responsibilities for Datalink or ATC related communications a unique opportunity to hear what is happening both at policy-making level and also in terms of practical implementation. It is a useful networking event, and a chance for colleagues from around the world to share their challenges and successes.

Don't miss out!

Meet fellow air traffic controllers, pilots, airline executives, ground system ATC engineers, avionics engineers, policy and decision makers, aircraft manufacturers, safety regulators and senior representatives from ATC service providers around the world.

About this programme

This programme provides the latest information as we go to press on speakers and topics. Please check the website www.atnconference.com for an up-to-date conference programme and speaker details.

DAY ONE
14 September
- Tuesday -

THEME

CPDLC Deployment

www.atnconference.com
check website for full details

09:15 **Chairman's Introduction**
Forrest Colliver, Director of Marketing and Business Development, Communication/ Navigation Products, Thales Avionics

09:30 **The European Single Sky**
Eduardo Morere Molinero, Principal Administrator, European Commission

10:00 **Link2000+ Status**
Alex Wandels, Programme Manager LINK 2000+ EUROCONTROL

10:30 Refreshment break - Exhibition

11:00 **Datalink Status in the USA**
Mike Murphy, President, ATNSI

11:30 **Presentation to be announced**
See website for details

12:00 **Airline Datalink Operations**
Joseph Slavinsky, Group Engineer, Fedex

12:30 Lunch - Exhibition

14:00 **Co-ordinated European Implementation of CPDLC**
Paul Conroy, UAC Maastricht

14:30 **ATN CPDLC in an Airbus**
Serge Bagieu, FANS Project Leader, Airbus

15:00 **CPDLC Deployment Experience**
Bjorn Syren, SAS

15:30 Refreshment break - Exhibition

16:00 **Forward to CASCADE**
Speaker to be announced, EUROCONTROL

16:30 **Panel Discussion: Mandate and then what?**

17:30 - 19:00 **Drinks Reception**

DELEGATE BENEFITS

✔ **Low prices!** *For the third year running, we have frozen the price of the conference in Sterling terms. These rates are significantly below other conference fees, which would typically be 50% higher and not offer a pre-conference tutorial.*

✔ **Complimentary subscription to Janes Airport Review!** *All registered delegates will receive a complimentary three month subscription to the leading airport business resource, with a dedicated monthly air traffic control section.*

✔ **Full conference pack with CDROM of proceedings!** *Delegates will receive a printed copy of the presentations and a complimentary CDROM of the proceedings, including a complete audio recording of each presentation.*

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*Delegate / **Quotes** / Delegate / **Quotes** / Delegate / **Quotes** / Delegate / **Quotes** / Delegate / **Quotes** /*

"Plenty of time made available for networking" ■ *"Grouping question times went well"* ■ *"Q/A sessions were useful. Variety of attendees made it really worthwhile for me."* ■ *"Concrete cases through examples – good practical emphasis that everyone appreciated"* ■ *"Content overall was excellent, helped to a large degree by the excellent chairmanship"* ■ *"Panel discussion was particularly interesting "* ■ *"The package as a whole is superb: relevant presentations, networking opportunities and product displays"* ■ *"I found the implementation procedures of CPDLC worldwide especially relevant"* ■ *"It was very well organised"* ■ *"Good attendance – possible to have some really useful discussions on datalink issues"* ■ *"Greater attendance from airlines was excellent"* ■ *"Location/facilities"* ■ *"Varied range of topics/discussions covered"* ■ *"The mix of FANS-1/A 'experience' and ATN 'startup' was good"*

DAY TWO

15 September
- Wednesday -

T H E M E S

FANS-1 Status & ATN Convergence, IP Technologies & New Technologies

09:00 **North Atlantic - Iceland and Shanwick**
Loftur E Jonasson, Division Manager, Information Technology, Gannet ATS Communications

09:30 **Integration of ATN Baseline 1 in Oceanic ATM Systems**
Gilles Pelletier, Team Leader for Datalink Communications, Adacel Inc

10:00 Refreshment break - Exhibition

10:30 **Broadband Satcom**
Speaker to be announced

11:00 **IP Services to Aircraft**
Phil Clinch, Director of Cockpit Communications Services, SITA

11:30 **Aircraft Data Networking**
Jean-Paul Moreaux, Airbus

12:00 **IP Based Aircraft Applications**
Chris Wargo, President, Computer Networks & Software Inc

12:30 Lunch - Exhibition

14:00 **ARINC ATN/VDL M2 Status and Future Plans**
Eduard Blasi, Link 2000 Program Manager, ARINC

14:30 **Electronic Flightbag**
Joe McGoldrick, Chief Technology Officer, AMTech

15:00 **High Altitude Communications**
Dr Alan Smith, Technical Manager, QinetiQ

15:30 **Data Recording**
Steve Zerkowitz, General Manager, BlueSky Services

16:00 Close

VENUE

The Institution of Electrical Engineers (IEE), Savoy Place, London WC2R OBL, UK. Tel: +44 207 240 1871

Full conference joining instructions, including details of the venue location will be sent to delegates on receipt of registration confirmation.

Accommodation is not included in the conference fees. As there is no accommodation at the IEE, special discounted rates have been arranged at hotels in the surrounding area. If you require information regarding hotel rates and locations, please contact our hotel booking agents The Corporate Team quoting reference 10649C on +44 207 340 1610 (UK only 0845 6044060) or online www.atnconference.com/hotels

DATES & TIMES

Tutorial:

Monday	13 September	
	Registration	08.30 - 09.30
	Tutorial	09.30 - 16.00

Conference:

Tuesday	14 September	
	Registration	08.30 - 09.15
	Conference	09.15 - 17.30
	Drinks reception	17.30 - 19.00
Wednesday 15 September		
	Conference	09.00 - 16.00

FEES

	£	$	a
The tutorial fee is	250	455	380
The conference fee is	600	1090	900
Both the tutorial and conference	800	1455	1195

VAT at 17.5% should be added to the total. VAT may be reimbursable for non-UK delegates. The appropriate documentation will be included in the joining instructions. The tutorial and conference fees are inclusive of all conference materials, lunch and refreshments. Conference delegates will receive a complimentary three-month subscription to Jane's Airport Review.

Helios Information Services reserves the right to change the agenda and presenters. For up-to-date information, please visit: www.atnconference.com

Cancellations and substitutions

Cancellations made in writing will be accepted at any time up to 27 August 2004 and receive a full refund. We regret that cancellations received after this date cannot be refunded and payment will be due in full. Substitutions may be made at any time without penalty.

HIS HELIOS InformationServices

by telephone - call Susan Whyman at Helios-IS on +44 1962 735580

by fax - fax the completed form to Helios-IS on +44 1962 735581

by email - email the registration details below to atn2004@helios-is.com

by post - send the completed registration form (or a copy) to Helios Information Services, PO Box 37 Alresford Hampshire SO24 9ZF England

by web - complete the registration form on the ATN2004 website **www.atnconference.com**

Company

Address

Town/City   Post code

Country

Telephone:

Fax:

Delegate (1)

Job title

Email address

Attending ☐ Tutorial ☐ Conference

Delegate (2)

Job title

Email address

Attending ☐ Tutorial ☐ Conference

Delegate (3)

Job title

Email address

Attending ☐ Tutorial ☐ Conference

Amount Payable   £ _____ $ _____ a _____

VAT   £ _____ $ _____ a _____

Total   £ _____ $ _____ a _____

Please ensure that VAT has been added

Method of payment (tick as appropriate):

☐ Cheque enclosed (made payable to Helios Information Services Ltd)

☐ Please invoice (Company PO _____)

☐ Bank Transfer

☐ Please debit my credit card Mastercard ☐ Visa ☐ AMEX

Card number

| | | | | | | | | | | | | | | | |

Expiry date

| | | | | Signature _____

All credit card bookings will be charged in UK pounds

Please note: *Payment must be received before the start of the conference*

☐ Data Protection: tick if you do not wish to receive information on related services from other organisations.

Organisations supporting ATN2004
THE ATC DATA LINK CONFERENCE

Sponsor

ACI LLC *(Aeronautical Communication International)* is a joint venture of Honeywell, Sofreavia, Thales Air Traffic Management, and Thales Avionics.

ACI was formed in 1997 to develop and support key aeronautical data communications products and services associated with the Aeronautical Telecommunications Network (ATN). These products and services are explicitly designed for both airborne and ground applications, developed to the rigorous standards of RTCA DO-178B Level C for essential aviation applications to ensure high quality, robust products.

The individual partners in the joint venture bring their significant experience in both airborne and ground-based aeronautical products and services to the ACI venture, offering unparalleled expertise in this area. Website: www.aci-llc.com

Exhibitor

SITA INC (Information Networking Computing) is the world's leading provider of air transport focused applications, communications and IT infrastructure.

AIRCOM ACARS Datalink service, available via Satellite and VHF, is used today by 120 airlines to enable the transmission of AOC messages between their aircraft and respective operational centres. SITA has deployed over 610 VHF ACARS sites in 160 countries. 50 of these, primarily in Western Europe, have now been upgraded to provide VDL Mode 2. The decision in Europe to implement CPDLC/ATN/VDL2 has led SITA to invest in the development of the ATN AIRCOM service to be launched in October 2004.

SITA is pleased to be pioneering the introduction of CPDLC together with our pioneer airline customers including Lufthansa, Hapag-Lloyd, Air Europa, and Federal Express.
Further information can be found at www.sita.aero

Exhibitor

Operational in 167 countries - providing integrated CNS solutions for the world's airspace - Park Air Systems is uniquely positioned to fulfil complete ATC system needs.
COMMUNICATIONS: GAREX 220 Voice Communication Control System coupled with the PAE T6 multimode digital radio sets new standards in integrated advanced air-ground communication systems.
NAVIGATION: NORMARC 7000 ILS systems are designed to be cost-effective, easy to install and operate, and above all, dependable. NORMARC 8000 SLS (Satellite Landing Systems) addresses the next generation landing systems.
SURVEILLANCE: NOVA 9000 ATCS integrates data from sensors and databases providing complete control of traffic movements around the airport.
www.parkairsystems.com

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Jane's Airport Review helps management professionals make the most strategic decisions to improve airport's profitability and efficiency. With dedicated   sections on airport business and development news, air traffic control, aviation security and ground support equipment, Jane's Airport Review supplies all the news and information you will need.

Jane's Information Group also publishes a selection of air transport related yearbooks and electronic solutions. Visit www.janes.com for further information or contact 020 8700 3700.

PRE–CONFERENCE TUTORIAL
Monday 13 September 09:30 - 16:00

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Link2000+ Programme - FANS-1 and IP Convergence

The ATN2004 tutorial is the ideal place to bring yourself up-to-speed with developments in the Link2000+ programme and to learn about FANS-1 and IP convergence.

During the morning there will be a briefing on EUROCONTROL's Link2000+ programme. This will cover services, systems and the deployment programme for ground and airborne systems over the next two to three years.

In the afternoon FANS-1 and ATN convergence strategies will be outlined and discussed. IP technologies will also be described and convergence strategies with the ATN discussed.

The presenter of the tutorial will be Tony Whyman. For the past 13 years, Tony has been working on ATN development for EUROCONTROL. He has played a leading role in the development of the ATN Manual, ATN SARPs and Guidance Material. Tony has also been responsible for developing a scaleable architecture for supporting mobile routing world-wide, with policy-based routing, advanced congestion management and prioritised traffic flows. He is currently involved in the specification of new ground systems for EUROCONTROL Maastricht in support of Link2000+.

08.30 – 09.30	Registration and Welcome Coffee
09.30 – 10.30	EUROCONTROL's Link2000+ Programme: Introduction and Services
10.30 – 11.00	Break
11.00 – 12.30	EUROCONTROL's Link2000+ Programme: Systems and Deployment
12.30 – 13.30	Lunch
13.30 – 14.30	FANS-1 and ATN Convergence Strategies
14.30 – 15.00	Break
15.00 – 16.00	IP Technologies and Convergence with the ATN

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