KEY THEMES

Deployment of ATN/CPDLC

- **Continental Europe:** Eurocontrol’s Link 2000+ Programme has made real progress over the last year. Find out who’s doing what, and the news on incentives and mandates and test facilities. A panel discussion will give delegates the chance to quiz the Eurocontrol team and other stakeholders on the planned incentives and mandate.

- **North America:** the FAA remain committed to their Build 1 Miami CPDLC service. However there is currently uncertainty over the next steps. A particular issue to address is how the NEXCOM (VDL3) and CPDLC Programmes work together. We aim to bring you up to the minute news on what is happening here.

CNS/ATM Worldwide

- CNS/ATM in Europe, keynote speech from Eurocontrol’s Director of ATM Programmes.

- FANS 1/A progress and status report

- AsiaPAC region, issues and developments

- Middle East: CNS and ATC Datalink developments from airline perspectives.

ATN2003

The ATC Data Link Conference

September 23 to 24

This is where the Global ATC Data Link Community meets

www.atnconference.com

Institution of Electrical Engineers (IEE)
Savoy Place London UK
September 23 to 24 2003

Sponsors

In association with

Media partner

Organised by
Against a background of uncertainty caused by SARS, the war in Iraq, and a hard-hit aviation community, we are delighted to confirm that the 5th ATN conference will go ahead.

Why?
1. Because today more than ever those with responsibilities for Data-link or ATC related communications need to keep abreast of key technology and policy developments. Significant changes are afoot ...
2. Because delegates, sponsors and commentators tell us it should.
3. And because there really is nothing else quite like it, no other conference focussed on these issues, put together by active players and acknowledged specialists in the ATN arena.

As in previous years, a delegate-only exhibition will run in parallel to the conference, giving you the chance to make useful industry contacts at every refreshment break. On Monday 22nd September a pre-conference tutorial takes place for newcomers to the field. And on the same day, for the first time this year, SITA are running a free seminar showcasing SITA ATS AIRCOM’s portfolio of products and services, as well as future plans targeted to enable the expanded implementation of advanced, global Air Traffic Management systems and concepts.

Who should attend?
Air traffic controllers, pilots, 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
23 September - Tuesday -

THEMES
Continental CPDLC
Pioneers Incentives Mandates

09:15 Chairman’s Introduction Philip Clinch, Director, Aircraft Operations and Navigation Services, SITA
09:30 Keynote: CNS/ATM in Europe George Paulson, Director ATM Programmes, Eurocontrol
10:00 Keynote: CNS/ATM in North America Speaker to be announced
10:30 Refreshment break - Exhibition
11:15 Becoming a Link2000+ Pioneer Gunnar Buchner, Lufthansa
11:45 CPDLC at Miami - The Airline Experience Brent Blackwell*, American Airlines
12:15 CNS Infrastructure Partnerships Akhil Sharma, SITA
12:45 Lunch - Exhibition
14:00 Supporting CPDLC in the Airframe Brian Connell and Jim Grace, Rockwell Collins
14:30 Level C ATN Avionics for CPDLC John Horvath, Honeywell and Forrest Colliver, Thales Avionics
15:00 Datalink Implications for General Aviation Martin Robinson*, AOPAUK
15:30 Refreshment break - Exhibition
16:00 The Link2000+ Programme: Status and Intent Alex Wandels, Link2000+ Programme Manager, Eurocontrol
16:30 Panel Discussion: The CPDLC Mandate - when and why?
17:30 - 19:00 Drinks Reception

* Speaker to be confirmed
Delegate benefits

Low prices! We are pleased to announce that the delegate fee is unchanged from last year in Sterling terms, which means that it is 11% cheaper in Euros. These rates are significantly below other conference fees, which would typically be 50% higher and not offer a pre-conference tutorial.

Jane’s 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! Delegates will receive a printed copy of the presentations, and a complimentary CDROM of the proceedings including a complete audio recording of each presentation.

Delegate comments from ATN2002: “I have never seen such a professional post-conference follow-up as the CD-ROM distributed by yourselves following ATN2002. Not only did it arrive in record time, but it was and is extremely useful.” ● “An altogether interesting and exceptionally well organised event” ● “Very focussed and to the point” ● “Exhibition was good” ● “The tutorial was very useful for the rest of the conference” ● “The chairman was great! Way to keep things moving!” ● “Really appreciated the panel discussion” ● “Presented multiple viewpoints of problem/solution – technical, operations, cost”


DAY TWO
24 September - Wednesday -

THEMES
Worldwide CNS/ATM
Technology Developments

09:00 The AsiaPAC Region
Michael Erickson*, Aviation Management Inc

09:30 CNS Developments in the Middle East
Ousama Balaa, Middle East Airlines

10:00 Polar Routes and ATC Datalink in Emirates
Bob Everest, Emirates Airlines

10:30 Refreshment break - Exhibition

11:15 Shanwick/Gandar Datalink Developments and Plans
Gary Colledge, NATS

11:45 FANS 1/A Status and Developments
Speaker to be announced

12:15 VDL Mode 2 Applications
Dan Shea, ARINC

12:45 Lunch - Exhibition

14:00 The Conclusion of the European Datalink Roadmap Study
Mike Shorthose, Helios Technology

14:30 ATN and FANS1 Ground Systems
Thales ATM

15:00 Refreshment break - Exhibition

15:30 Raytheon Integrated Data Link Approach (RIDL)
Slobodan Jovanovic and Drasko Sotirovski, Raytheon Canada Limited

16:00 Broadband Satcom for Aeronautical Communications
Graham Huggins, EADS Astrium

16:30 The Link2000+ Test Facility
Isabelle Herail, Eurocontrol Experimental Centre

17:00 - Close

* Speaker to be confirmed
Organisations supporting

Sponsors

ACI LLC (Aeronautical Communication International) is a joint venture of Honeywell, Soretavia, 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

In association with

IATA aims to promote safe, regular and economical air transport for the benefit of the peoples of the world; to foster air commerce and to provide the means for collaboration among the air transport enterprises. IATA supports ATN2003 as it will improve awareness and understanding of CNS/ATM, a concept that should bring sustained benefits from increased efficiency in Air Traffic Services to the aviation community.

BITIONEXHIBITIONEXHIBITIONEXHITION

A delegate-only exhibition of Datalink related products and services will take place in parallel with the conference during refreshment and lunch breaks. This event provides a unique opportunity for companies to promote their services and products to a senior level audience. To find out more about the exhibition package available, please contact Susan Whyman on +44 1962 735634.

ATN2003

SITa

SITA is the world's leading provider of global information and telecommunications solutions to the air transport industry.

The SITA ATS AIRCOM service enables ATS providers implementing Datalink applications to connect them to the AIRCOM Datalink network, offering access to aircraft data. The majority of the world’s ATS providers using ATS Datalink have connected their application systems to SITA. SITA’s AIRCOM service is continually upgraded to ensure compliance with performance requirements defined by the RTCA and EUROCAE. The target for an ATS provider is for their Datalink applications and the network under which they operate to comply with ICAO ATN SARPs. SITA participates in many industry initiatives to support ATN development. Having demonstrated already that the Satellite AIRCOM network complies with ATN requirements, SITA is now upgrading the VHF AIRCOM network to provide VDL Mode 2 service. SITA is committed to providing the AIRCOM customer airlines with the ATN services they will need to access the CPDLC service. The FAA is implementing CPDLC for the domestic US airspace as are the ATS providers in Europe participating in the EUROCONTROL Link 2000+ programme. For further information please visit www.sita.int

Pre-Conference Tutorial Monday 22 September 09:30 - 17:00

For those delegates new to the subject, and wishing to maximise the benefits of attending the conference, a 1 day pre-conference Tutorial will be presented by Helios Information Services on 22nd September. It provides a grounding on the ATN rationale, principles, technology, and current status. Specifically, the tutorial will cover the following topics: the ICAO CNS/ATM System Concept, the ICAO defined Operational Requirements for air/ground Datalink applications (e.g., ADS, CPDLC), an overview of the ATN functionality and services, a review of the current ATN Deployment Projects, and an overview of the ICAO VHF Digital Link.

To see the detailed tutorial programme, please visit www.atnconference.com/tutorial

SITA Seminar: Enabling CNS/ATM Implementation 14:00 - 17:30

This seminar will present the current status of SITA ATS AIRCOM’s portfolio of products and services, as well as our future plans targeted to enable the expanded implementation of advanced, global Air Traffic Management systems and concepts.

In particular, the agenda will provide an overview of SITA’s AIRCOM Datalink service, currently used by over 5,000 aircraft daily for the exchange of Aeronautical Operational Control (AOC) information - via VHF and satellite links - with the ground systems of aircraft operators and now ATS Providers. The seminar will also cover SITA’s Air Traffic Service application systems capability, which includes the dual stack ADS-CPDLC gateway enabling the accommodation of both ATN and FANS 1/A equipped aircraft.

Following the ICAO adoption of the VHF Mode 2 standard, SITA has embarked on a programme to upgrade our existing 700 ACARS VHF stations to VDL Mode 2 capable stations. The seminar will present the latest status on SITA’s VDL Mode 2 deployment and future plans that will include the support of ICAO-compliant ATN internet services. The SITA ATN Service will soon be launched to provide services to “pioneer” airlines participating in Eurocontrol’s Link2000+ programme.

The seminar will examine how the transition of VHF AIRCOM (supporting the VDL Mode 2 service specifically designed to sustain ATN communications) will enable ATS providers to operate VDL ground stations in their territory, in partnership with SITA as the airline service provider.

The seminar will conclude with a dedicated Question and Answer session enabling delegates to maximize the value of their attendance.

If you would like to attend, please book early, as places are limited. There is no charge for this seminar, which is open to all delegates to ATN2003. Please register your interest either online at www.atnconference.com or with Elise Jueni of SITA on +41 22 747 6771, or by e-mail (Elise.jueni@sita.aero). Any questions or suggestions relating to the content of the seminar should be addressed directly to Akhil Sharma of SITA (akhil.sharma@sita.aero).

A delegate-only exhibition of Datalink related products and services will take place in parallel with the conference during refreshment and lunch breaks. This event provides a unique opportunity for companies to promote their services and products to a senior level audience. To find out more about the exhibition package available, please contact Susan Whyman on +44 1962 735634.

Airports

Media partner

Jane’s Airport Review is the leading airport business resource with a dedicated monthly Air Traffic control section covering all the latest developments within the marketplace.

Jane’s also publishes the yearbook Jane’s Air Traffic Control. This one stop guide contains full details of over 1200 different ATC systems, hardware and software applications for airports and AOC authorities.

Exhibitors include

Airtel ATN is an independent supplier of data communications solutions for the aviation industry and has been involved in the development of ATN software for the past decade. The company provides a comprehensive range of software for Airborne and Ground use. Its products include Routers, ATC and AOC Applications support packages, and Gateways for integration with legacy systems. Its products also provide VDL and SATCOM support in avionics and ground systems. The company’s engineering services deliver systems tailored to customer needs.

ARINC Incorporated, is a world leader in transportation communications and systems engineering. As the Datalink service provider for EUROCONTROL’s Link2000+ program, ARINC will introduce the next generation of digital air traffic control communications in Europe - CPDLC, or controller-pilot Datalink communications. ARINC will deploy a network of 12 VHF Digital Link (VDL) Mode 2 ground stations to support CPDLC communications above flight level 245 in the skies over Belgium, the Netherlands, Luxembourg, and northern Germany - some of Europe’s busiest airspace. When the system goes operational in October, the Maastricht air traffic controllers will be the first in Europe to have the benefit of CPDLC - an easier, faster way to communicate with commercial airline pilots.

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Park Air Systems

Operational in 167 countries - providing integrated CNS solutions for the world’s airspace - Park Air Systems is uniquely positioned to fulfill complete ACt system needs.

COMMUNICATIONS: GAREX 220 Voice Communication Control System coupled with the PAE T6 multimedia 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.
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 on +44 207 340 1610 (UK only 0845 6044060) or online www.atnconference.com/hotels

DATES & TIMES
Tutorial: Monday 22 September
Registration 08.30 - 09.30
Tutorial 09.30 - 17.00

Conference: Tuesday 23 September
Registration 08.30 - 09.15
Conference 09.15 - 17.30
Drinks reception 17.30 - 19.00
Wednesday 24 September
Conference 09.00 - 17.00

FEES
The tutorial fee is
£ 250  400  362
$ 600  960  870
€ 800 1280 1160

The conference fee is
£ 600  960  870
$ 1200 1880 1740
€ 1600 2640 2380

Both the tutorial and conference
(The SITA seminar is free of charge)

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 30 August 2003 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.

HOW TO REGISTER
by telephone - call Susan Whyman at Helios-IS on +44 1962 735634
by fax - fax the completed form to Helios-IS on +44 1962 735581
by email - email the registration details below to atn2003@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 ATN2003 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 £ __________ $ __________ € __________

VAT £ __________ $ __________ € __________

Total £ __________ $ __________ € __________

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 Purchase Order No __________)
☐ 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.