

## 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.

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

[www.atnconference.com](http://www.atnconference.com)



## The ATC Data Link Conference

September 23 to 24

This is where the  
**Global ATC Data Link**  
Community meets

### Sponsors



**SITA**

### In association with



### Media partner



### Organised by



**HS** HELIOS  
Information Services



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 ...

## This is where the Global ATC Data Link community meets

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](http://www.atnconference.com) for an up-to-date conference programme and speaker details.

## DAY ONE

23 September  
- Tuesday -

### T H E M E S

Continental  
CPDLC

Pioneers  
Incentives  
Mandates



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

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

**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 -

T H E M E S

Worldwide  
CNS/ATM

Technology  
Developments

09:00	<b>The AsiaPAC Region</b> <i>Michael Erickson*, Aviation Management Inc</i>	14:00	<b>The Conclusion of the European Datalink Roadmap Study</b> <i>Mike Shorthose, Helios Technology</i>
09:30	<b>CNS Developments in the Middle East</b> <i>Ousama Balaa, Middle East Airlines</i>	14:30	<b>ATN and FANS1 Ground Systems</b> Thales ATM
10:00	<b>Polar Routes and ATC Datalink in Emirates</b> <i>Bob Everest, Emirates Airlines</i>	15:00	Refreshment break - Exhibition
10:30	Refreshment break - Exhibition	15:30	<b>Raytheon Integrated Data Link Approach (RIDL)</b> <i>Slobodan Jovanovic and Drasko Sotirovski, Raytheon Canada Limited</i>
11:15	<b>Shanwick/Gandar Datalink Developments and Plans</b> <i>Gary Colledge, NATS</i>	16:00	<b>Broadband Satcom for Aeronautical Communications</b> <i>Graham Huggins, EADS Astrium</i>
11:45	<b>FANS 1/A Status and Developments</b> <i>Speaker to be announced</i>	16:30	<b>The Link2000+ Test Facility</b> <i>Isabelle Herail, Eurocontrol Experimental Centre</i>
12:15	<b>VDL Mode 2 Applications</b> <i>Dan Shea, ARINC</i>	17:00 -	Close
12:45	Lunch - Exhibition		

\* Speaker to be confirmed

# Organisations supporting ATN2003

## Sponsors

**Honeywell**



**THALES**

**THALES**  
AIR TRAFFIC MANAGEMENT

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](http://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.

## BITION EXHIBITION EXHIBITION EXHI

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.



**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.

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](http://www.sita.int)

## 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 ATC 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

## 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](http://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

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 LINK 2000+ 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,

(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 VDL 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 ATS 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](http://www.atnconference.com) or with Elise Jueni of SITA on +41 22 747 6771, or by e-mail ([Elise.jueni@sitaaero.ch](mailto:Elise.jueni@sitaaero.ch)). Any questions or suggestions relating to the content of the seminar should be addressed directly to Akhil Sharma of SITA ([akhil.sharma@sitaaero.ch](mailto:akhil.sharma@sitaaero.ch)).



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.

## VENUE

The Institution of Electrical Engineers (IEE), Savoy Place,  
London WC2R 0BL, 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](http://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
The conference fee is	600	960	870
Both the tutorial and conference	800	1280	1160

(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 docu-  
mentation will be included in the joining instructions.  
The tutorial and conference fees are inclusive of all confer-  
ence materials, lunch and refreshments. Conference dele-  
gates will receive a complimentary three-month subscrip-  
tion 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](http://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.



**HS** HELIOS  
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## 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](mailto: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](http://www.atnconference.com)

Company \_\_\_\_\_

Address \_\_\_\_\_

Town/City \_\_\_\_\_ Post code \_\_\_\_\_

Country \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Delegate (1) \_\_\_\_\_

Job title \_\_\_\_\_

Email address \_\_\_\_\_

Attending ☐ Tutorial ☐ Conference ☐

Delegate (2) \_\_\_\_\_

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☐ Bank Transfer

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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**

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services from other organisations.

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