



RAIL COMMUNICATIONS REGULATIONS  
AND MANAGEMENT CONFERENCE

**2008**

5TH AND 6TH NOVEMBER

LONDON

BWCS



## RAIL COMMUNICATIONS REGULATIONS AND MANAGEMENT CONFERENCE

# 2008

Railway companies around the world are busy building or planning for improved trackside communications networks. Huge investment is being poured into these systems in a bid to increase capacity, improve safety, cut train operating costs and add new benefits for passengers and staff. This new conference will examine the pitfalls encountered by those at the forefront of this movement.

Rail operators and suppliers from around the world will converge on London to discuss at first hand the challenges they have experienced as they strive to build this new generation of trackside communications networks. The presenters and panellists will attempt to answer key questions such as:

- ▶ How can rail network operators maximise their investments in GSM-R?
- ▶ How can the rail industry benefit from new broadband wireless technologies such as WiMAX, HSDPA and OFDM?
- ▶ Who should own and control radio spectrum and telecoms infrastructure at the trackside?
- ▶ Which emerging train operator applications will drive the need for improved trackside communications?
- ▶ How can the rail industry work more effectively with telecoms service providers and regulators to drive rail communications enhancements?
- ▶ Who should manage trackside communications networks?

The number of places at this conference is limited, so please reserve your seat now by filling out the order form on the opposite page and faxing it through to us.

Among the companies presenting at Rail Communications Regulations and Management 2008 will be:

- |   |                           |
|---|---------------------------|
| ▶ RFF, France                                 | ▶ Orange                  |
| ▶ Czech Rail                                  | ▶ Nokia Siemens Networks  |
| ▶ RHK, Finland                                | ▶ Nortel                  |
| ▶ Network Rail, Telecoms Engineering Division | ▶ Digital Wireless Cities |
| ▶ Andrew Wireless                             | ▶ Network Design Services |
| ▶ Cityspace                                   | ▶ RDS International       |
| ▶ CCJPA, US                                   | ▶ Harmerney International |
| ▶ Belair Networks, Canada                     |                           |

BWCS has worked with all the major players in the trackside communications market to make Rail Communications Regulation and Management 2008 a success. Over two days, a combination of interactive workshops, panel sessions, presentations and networking sessions will explore the regulatory and technical issues arising from the deployment of this new generation of trackside communications networks around the world. For all companies with even the remotest interest in this dynamic sector, this is once again the event to attend in 2008.

Rail Communications Regulation and Management 2008 will be held in central London on the 5th and 6th of November 2008. Please be advised that places are limited and that delegate places are selling out fast. Please book now by filling in the booking form on this site. Rail Communications Regulation and Management 2008 will provide a great networking opportunity and there are still one or two sponsorship opportunities still available. Please contact [Ross.Parsons@BWCS.com](mailto:Ross.Parsons@BWCS.com)

[www.trainregs2008.com](http://www.trainregs2008.com)

# Day 1

## Session One

### Trackside Network Deployment & Regulation

#### 9.15 Future Communications for Rail Transport

- Based on a recent major study carried out for (UK) Ofcom
- Forecast developments and implications for spectrum demand
- Impact and significance for the Railway Industry

John Parker, Quotient Associates (John was involved in carrying out the recent study for Ofcom in the UK, looking at the future use of communications in rail and public transport)

#### 9.45 Who Owns the Track-side Spectrum?

An International Perspective, Jim Allison, CCJPA, USA

#### 10.15 Mobile WiMax – What do New Wireless Broadband Technologies Mean for Rail Transport?

Andy Coney, Wireless Design Services International

#### 10.45-11.00 - Coffee

#### 11.00 Trackside Communications – Recent Experiences from the Asia-Pacific Region

Pieter Zylstra, CEO, Zylstrategy

#### 11.30 Case study – New Trackside Communications Network Building in Europe, Nokia Siemens Networks

#### 12.00 Panel Session: What is the Way Forward for Trackside Networks & Who Should Control Them?

#### 12.30-2.00 - Lunch

## Session Two

### Managing Wireless Communications on the Tracks and in Stations

#### 2.00 Overview of Key Differences between Public Telecommunications and Private, Mission Critical Communications - Planning, Dimensioning and Operating the Network

- Dimensioning a mission critical network as opposed to a public telecommunications network
- Design for reliability and availability in a mission critical network
- Impact on efficiency of use of spectrum and other resources
- Operating a mission critical network - approaches compared to public networks
- Delivery of additional services using a mission critical core network

Dr Paul Wheatley, formerly General Manager of BT Netherlands and Ian Beeby, Peak Intelligence

#### 2.30 Reducing Network Implementation Cost Using Off-the-Air Repeaters along the Trackside

Possible Applications for off-the-air Repeater in GSM-R systems

- Basic coverage
- Redundancy concepts using repeaters
- Coverage of stations, other buildings, shunting areas
- Cost saving potentials
- Reliability and control of repeaters

Klaus Moeller, Director Technical Support & Training Wireless Innovation Group

#### 3.00 Speed Networking

#### 3.45 Station Congestion - Managing Trains, Tenant and Telco Networks within a Single Station

Mark Collins, Cityspace

#### 4.15 Interlinking Stations with Wider City Networks

Paul Munnery, Wireless Digital Cities

#### 4.45 Panel Session: Managing Trackside Wireless Communications

#### 5.15 Closing Remarks

#### 5.30 End of day 1

#### 5.30 Cocktails

# Day 2

## Session Three

### Cross-Industry Co-operation on Trackside Communications Networks

#### 9.15-9.30 - Keynote Address

#### 9.45 Improving On-board Mobile Coverage on the UK West Coast Mainline, Adis Omeragic, Special Projects Manager, Access Network Design and Delivery

Orange UK

#### 10.15-10.45 Who Should Manage Trackside Networks?

(Speaker to be confirmed)

#### 10.45-11.00 - Coffee

#### 11.00 How to Reduce the Costs of a Trackside Communications Networks, from an Operators' Perspective: ERTMS: more benefits and less cost

- Fleet migration - the business case anomalies
- ERTMS train fitment - the cost and performance impact
- Technology innovations to deliver benefits: train location, communications, displays, integrity
- Benefit opportunities: safety, driving aids, performance management, system controls

Richard Shenton, Director, Reliable data Systems

#### 11.30 Successfully Building a Trackside Radio Communications Network – our Experiences

Stephen Rayment, Belair, Networks

#### 12.00 Panel Session: Unifying Rail Communications Networks for Safety and Security

#### 12.30-2.00 - Lunch

## Session Four

### Outsourcing Control of the Communications Network

#### 2.00 To outsource or not to Outsource – the French Experience in GSM-R Network Building

- The reasons to move to a PPP contract
- The difficulty of managing change in a network in service

Jean Cellmer, RFF, France

#### 2.30 The Benefits of Outsourcing Parts of the Rail Communications Networks - the Finnish experience

Markku Voutilainen, RHK, Finland

#### 3.00-3.15 - Coffee

#### 3.15 GSM-R Smoothly Integrated to Serve ETCS and National Telecom Demands

Norman Frisch, Leader, GSM-R, EMEA, Nortel

#### 3.45 A Case Study in Outsourcing Issues in GSM-R Network Build, Operations and Management – the Czech experience

Marek Rosa, Railway Infrastructure Administration, Czech Rail Organisation

#### 4.15 Management and Provisioning challenges in the GSM-R network

Harmarney International

#### 4.45 Panel Session: To Outsource Rail Communications Managements or Not?

#### 5.15 Closing remarks

#### 5.30 End of Conference

\* = to be confirmed

## Book your place!

Use the booking form overleaf or book via the Conference website at:

[www.trainregs.2008.com](http://www.trainregs.2008.com)

# How to book your place at Rail Communications Regulations and Management Conference 2008

Simply fill in the booking form below and fax it or mail it to us. You may pay by credit card (Visa, Mastercard or American Express), bank transfer, or send a cheque with your order.

## Booking details / RCM 2008

### Step 1

Choose the billing currency

(Note credit card payments will be billed in £s only)

Please tick box

£  US\$  Euro

### Step 2

Yes, I wish to attend Train Communications Systems 2008 on 5-6 November in Central London

Please reserve a place for me for Day 1  £895

Please reserve a place for me for Day 2  £990

Please reserve a place for me for both Day 1 and Day 2  £1,350

If you have selected US\$ or Euro as your billing currency, the order value will be converted at the current exchange rate.

For group bookings, please email [Eileen.Fisher@bwcs.com](mailto:Eileen.Fisher@bwcs.com)

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If you cancel before 11/09/2008 we will refund your booking fee less a £50 administration charge. After that date, you will be invoiced for the full booking fee, but we will be pleased to accept substitutions from your company.

## Delegate details

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