

UIC GLOBAL SIGNALLING & TELECOM CONFERENCE

Delhi, 21-23 March 2013



- PROGRAMME -

Venue: Indian Manekshaw Convention Centre, Delhi

Thursday 21 March 2013

08h30~09h30	Registration
-------------	--------------

09h30~10h30	Welcome & Opening
-------------	-------------------

- Mr. Pawan BANSAL, Minister for Railways
- Minister of State for Railways
- Mr. Vinay MITTAL, Chairman Railway Board
- Mr. Kul BHUSHAN, Member Electrical
- Mr. Jean-Pierre LOUBINOUX, Director General, UIC
- Mr. R. K. BAHUGUNA, MD, RailTel

Vote of thanks by Mr. Anshul GUPTA, Secy IRSE

10h30~11h00	Coffee Break
-------------	--------------

11h00~13h00	TELECOM SESSION 1
-------------	-------------------

SESSION 1 “Railways Radio Communications status in Asia Pacific and European Region”

Abstract: Railway Radio Communication situation within the Railway Infrastructure Manager or in the region: state-of-the-art, near future (around 5 years time) plans; issues – interferences, license, frequency capacities, etc. Implemented applications and foreseen evolution.

Chairman: Robert SARFATI, UIC GSM-R Operators Group Chairman/SYSTRA Consultant Director

11h00~11h25 Radio Communications Status within Indian Railways – Future plans
Mr. P. K. SRIVASTAVA, Additional Member, Telecom, Indian Railways

11h25~11h45 GSM-R in Europe
Mr. Gottfried WINTER – Funkwerk Kolleda, representing GSM-R IG

11h45~12h05 Radio Communications Status in Australia – future plans
Mr. Derel WUST, ARA, Australia

12h05~12h25 Radio Communications Status

12h25~12h45 Constructions and applications of GSM-R in China
Mr. JIANG Yongfu, MoR, China

12h45~13h00 Q & A

13h00~14h00	Lunch
-------------	-------

14h00~16h00	TELECOM SESSION 2
-------------	-------------------

SESSION 2 “Radio Solutions for Communication Based Signalling Systems– Requirements - IP Migration”

Abstract: Signalling requirements for radio systems: operational needs, specific functionalities, standardisation needs, way forward

Chairman:

14h00~14h30 Indian Railways view

Mr. Navneet KAUSHIK, CSTE, Delhi Metro

14h30~15h00 KRNA

15h00~15h30 GPRS for ETCS – European Pilot

Mr. Dan MANDOC, UIC

15h30~16h00 Standardisation actions taken (IEC PT 62773)

Mr. HATTORI, RTRI

16h00~16h30	Coffee Break
--------------------	---------------------

16h30~18h30	TELECOM SESSION 3
--------------------	--------------------------

SESSION 3 “Future Railway Mobile Telecommunication Systems Solutions”

Abstract: Vision on future (beyond 2020/2025) radio systems, to be used for data and voice applications (CBTCS included), broadband Introduction

Chairman: Mr. Dan MANDOC, UIC ERIG Chairman, GSM-R project Manager, UIC

16h30~17h00 KAPSCH

17h00~17h30 GSM-R Evolution to IP

Mr. Robert SARFATI, UIC

17h30~18h00 UIC Future Railway Mobile Telecommunication Systems Solutions upcoming project

Mr. Chiel SPAANS, ProRail/UIC

18h00~18h30 Future Radio based Mobile Telecom System solution

Mr. A. Seshagiri RAO, Director Planning, RailTel & Mr. Alvin LAM, Motorola Singapore

19h00~20h00	Exhibition visit & Cocktail
--------------------	--

Technical visits arranged for signalling installations

Friday 22 March 2013

09h00~10h30	TRAIN CONTROL & SIGNALLING SESSION 1
--------------------	---

SESSION 1 “Train control systems in Asia, America, Australia and Europe – converging requirements”

Chairman: Mr. Kul BHUSHAN, Member Electrical, Railway Board, Indian Railways

09h00~09h20 UIC – Synthesis of modern train control core requirements – From ETCS to CTCS, PTC and JR-ATACS

Mr. George BARBU, Senior Advisor, Rail System, UIC

09h20~09h40 Chinese Train Control System level 3 (CTCS-3) - technology and applications

Mr. ZHANG Zhihui, CRSCD, China

09h40~10h00 Satisfaction of JR specific requirements by ATACS system

Mr. HASHIMOTO, JR East

10h00~10h20 Specific requirements and options for CCS of Indian Railways – Train Collision Avoidance System (TCAS)

Mr. L. K. MANSUKHANI, Director Signal, RDSO & Mr. MADHUVATYAM, GM Railway Electronics Group, HBL

10:20~10h30 Discussion moderated by the UIC: Converging requirements – a reality or a dream?

10h30~11h00	Coffee Break
--------------------	---------------------

11h00~13h00	SIGNALLING SESSION 2
--------------------	-----------------------------

SESSION 2 “Routing, train detection and track-side signalling requirements and developments”

Chairman: Mr. George BARBU, Senior Advisor, Rail System, UIC

11h00~11h20 Situation in Europe, towards a new generation of interlocking – INESS

Mr. Piero PETRUCCIOLI, Senior Advisor, Rail System, UIC

11h20~11h40 Interlocking requirements to satisfy the new requirements for train control

Mr. Rajiv SHARMA, Executive Director, Signal Development, Railway Board, India

11h40~12h10 Electronic interlocking – solutions and tendencies in China

Mr. JIN Guo, Southwest Jiaotong University, China

12h10~12h30 Performance of electronic interlocking enabling the integration into the JR future train control

Mr. Hideyuki KATSUSHIMA, Manager of Electrical Engineering Department & Mr. Shintarou SUZUKI, Assistant Manager of Electrical Engineering Department, West Japan Railway

12h30~12h40 Korea: Experience of interlocking in new train control for high speed

Discussion: From classical interlocking to the wide electronic solutions via modularity and scalability

13h00~14h00	Lunch
-------------	-------

14h00~16h00	SIGNALLING SESSION 3
-------------	----------------------

SESSION 3 “Requirements for new technologies of train positioning and train detection”

Chairman: Korea

14h00~14h30 Requirements of performance for train autonomous location compatible with train control

Dr. A. S. GANESHAN, Scientist, PD-Navigation System (GAGAN & ICNSS) ISRO

14h30~15h00 SATLOC – an innovative conception to reach highest operational safety target by close-loop train-track interaction based on satellite (GNSS) positioning

Mr. George BARBU, Senior Advisor, Rail System, UIC

15h00~15h30 USA PTC an evolution towards absolute train positioning and train integrity

Mr. Ashwani KUMAR, GE

15h30~16h00 Japan: Train detection in high density traffic conditions – new technologies for ATACS (Hitachi)

16h00~16h30	Coffee Break
16h30~18h00	SIGNALLING SESSION 4

SESSION 4 “The industry vision – the evolution of CCS supply in a world-wide market”

Chairman: Mr. George BARBU, Senior Advisor, Rail System, UIC

16h30~17h00 CBTC, Hitachi

17h00~17h30 Mr. Bernhard STAMM, Siemens

17h30~18h00 Modern CCS, Bombardier

18h00~18h30 Round table: CCS converging requirements and adequate response of supply and migration

Moderator: Mr. George BARBU, Senior Advisor, Rail System, UIC

20h00	Official Dinner
--------------	------------------------

Technical visits arranged for telecom installations

Saturday 23 March 2013

09h00~10h30	Plenary Session Telecom & Signalling
--------------------	---

Chairman: India

09h00~09h30 Voice and Data requirements for a Digital Radio System in Europe, Present and Future

Mr. Dan MANDOC, Senior Advisor, Rail System, UIC

09h30~10h00 CCS, new technologies and options, closing remarks, the point of view of railways, railway unity around core requirements

Mr. George BARBU, Senior Advisor, Rail System, UIC

10h00~10h30 Integrated response – engineering, testing, supply and support of migration via maintenance of high-tech (industry representative)

10h30~11h00	Coffee Break
--------------------	---------------------

11h00~12h30	<p>Round table: CCS and Telecom opportunities to join for overall performance and migration of modern train control and traffic management systems</p> <p>Moderator : Rail thematic Experienced Journalist (from India)</p> <ul style="list-style-type: none">- IR- Mr. Vincent VU, Director Institutional Relations, UIC- Mr. Dan MANDOC, Senior Advisor, Rail System, UIC- Mr. George BARBU, Senior Advisor, Rail System, UIC
--------------------	--

12h30~13h30	Closing Remarks: Mr. Arun SAKSENA, Advisor/Signal, Railway Board, India
--------------------	--