Subject: [Partner] SIEMENS-projects regarding railway data interchange
Posted by Vasco Paul Krauss on Tue, 28 Oct 2003 13:25:39 GMT
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Dear Colleagues,

today I talked with Dr. Ulrich Zahner from SIEMENS, who informed me
about two EU-projects from the FP5, regarding interfaces between
special railway areas: EUROMAIN and TRAINCOM. Within these projects
they developing also common interfaces for train-inside information
and train-maintenace, please see the following URLs:

http://www.euromain.org/ and http://www.traincom.org/

Here some extracts:

EUROMAIN

Main goals

The EuRoMain project intends to fully define and specify a complete
maintenance support system for railways, which will allow to remotely
monitor and diagnose complex systems aboard trains and inside fixed
plants, automatically link real-time data with suitable technical
documentation, retrieving it in standard format from a distributed
database, and ubiquitously present the appropriate information to
final Users, by means of a complete set of tools. Prototype hardware
and software modules will be developed and validated, integrating them
within the communication infrastructure developed by the TrainCom
project (IST-1999-20096).

The results will include proposals for new standards, allowing
interoperability between different countries, systems and operators,
and paving the way for a new maintenance organisation in Europe.

Participiants:
Bombardier Transportation GmbH (D)
Bombardier Transportation UK L.t.d. (UK)
Bombardier Transportation Italy S.p.A (I)
Ansaldo Trasporti - Sistemi Ferroviari S.p.A. (I)
ATOS ORIGIN S.p.A. (I)
Construcciones y Auxiliar De Ferrocarriles S.A. (E)
Red Nacional de Ferrocarriles Espanoles (E)
ALSTOM Transport S.A. (F)
F.A.R. SYSTEMS S.p.A. (I)
Oesterreichische Bundesbahnen (A)
TRENITALIA S.p.A. (I)
Laboratori Fondazione Guglielmo Marconi s.r.l. (I)

S.C. Silogic s.r.l. (RO)
SIEMENS AG (D)
Deutsche Bahn AG (D)
ANSALDOBREDA S.p.A. (I)
Société Nationale des Chemins de fer Français SNCF (F)

TRAINCOM

Main goals

The TRAINCOM project intends to fully specify and develop a communication system for telematic applications in the railway field, integrating the on-board network (e. g. TCN), GSM radio links and Internet technologies.

Based on this system, which offers ubiquitous remote access to on-board equipment, the project will develop two important applications related to dynamic passenger information and locomotive interoperability, setting up validation sites in different Countries.

The project will focus on and contribute to main issues like standardisation and interoperability. A conformance test specification for TCN will be prepared and a suitable automatic testbed developed, so as to favour interoperability of devices and subsystems. Interoperability of applications will be considered in all specifications, which will be proposed for standardisation. An architecture and some basic elements of a maintenance support system, for remote, real-time monitoring of equipment on board trains, will be developed as well.

Participiants:
SIEMENS Aktiengesellschaft (D)
Bombardier Transportation GmbH (D)
Bombardier Transportation (Italia) S.p.A. (I)
ANSALDOBREDA S.p.A. (I)
ATOS ORIGIN S.p.A. (I)
Construcciones y Auxiliar De Ferrocarriles S.A. (E)
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FIREMA Trasporti S.p.A. (I)
SC Silogic srl (RO)
Deutsche Bahn Reise&Touristik AG (D)
TRENITALIA S.p.A. (I)
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Red Nacional de Ferrocarriles Españoles (E)
Alstom Transport SA (F)

Dr. Zahner invites interested RailML-colleagues for a board meeting in Erlangen (10.12.2003). You can reach Dr. Ulrich Zahner (Siemens AG,

Transportation Systems, TS GT E2) via mailto:ulrich.zahner@siemens.com
or by phone +49 (9131) 7-20032.

Best regards,
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