



GSM-R Acknowledgement Centre

'Capturing Essential Information For Incident Analysis'

Transportation Systems

SIEMENS

FIRST CLASS

The Acknowledgement Centre is an important, but often forgotten, part of the GSM-R system, capturing essential information about the high priority and emergency calls that are raised within the system.

Since the GSM-R network has no knowledge of which parties have received a high priority or emergency call, the Acknowledgement Centre is used to record essential information that can be used for later analysis in the event of an incident.

The initiator, as well as all the recipients of a railway emergency call, automatically sends a specially coded notification to the Acknowledgement Centre giving details of the call identity, call time, call duration, calling participant (functional number), and the reason for call clearance. All this information is carefully stored and can be used in post-incident analysis.

The Siemens Acknowledgement Centre is compatible with all available networks and mobiles and has been specifically designed to meet all the requirements defined by EIRENE.



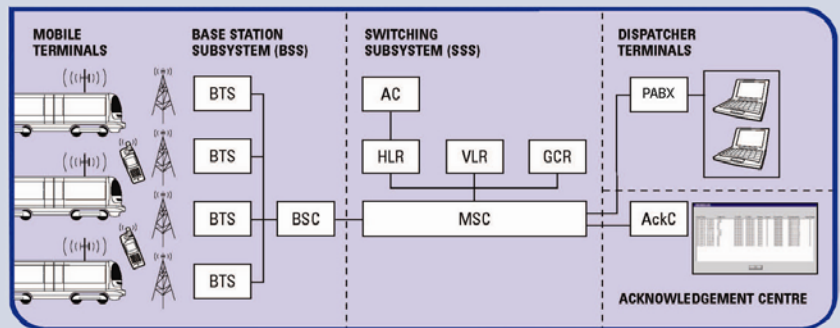
Architecture

The Siemens Acknowledgement Centre uses a standard computer platform for low life-cycle costs. It includes an integral ISDN Basic Rate terminal adapter to interface to the GSM-R infrastructure, either directly to the MSC, or via a PABX. Available computer platforms include single processor desktop mounting type, or rack-mounted server type with one or two CPU's.

For additional resilience, a pair of computers operating in main and standby mode may be used. The MSC can automatically re-route calls to the standby machine in the event of a failure.

Benefits

- Fully EIRENE compliant
- Proven in operational service
- Interoperable with all available GSM-R networks and mobiles
- ISDN connection for installation at any convenient location
- Information recorded in text format for easy subsequent analysis
- Standard computer platform
- Time synchronisation to customer network time source
- Optional remote access to logged information



Network Diagram

Siemens Transportation Systems

Sopers Lane
Poole
BH17 7ER
United Kingdom
Tel: +44 (0)1202 846000
Fax: +44 (0)1202 846200
Email: sales.ts@siemens.com

Printed in UK

www.siemens-transportation.co.uk



FS33595