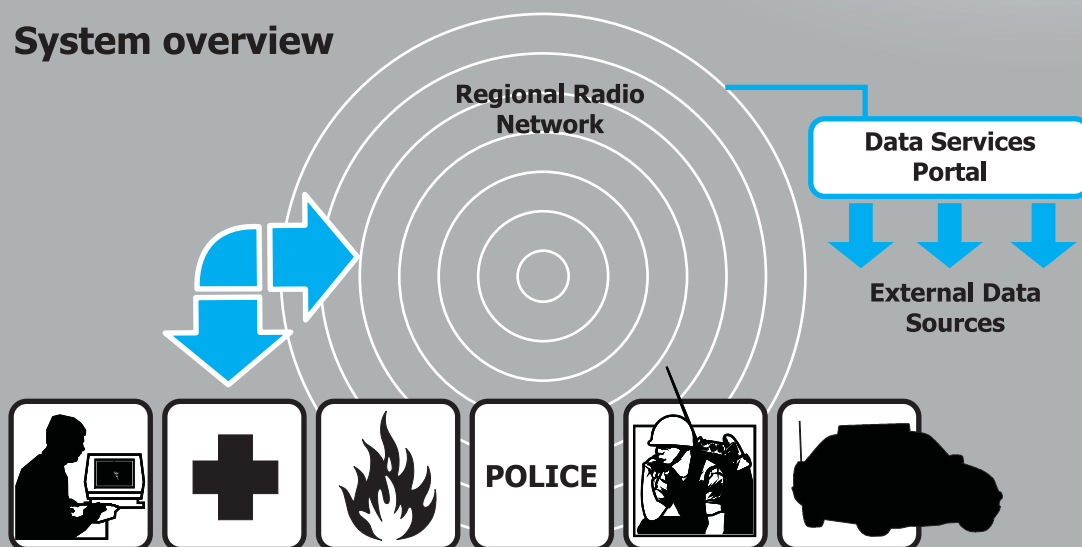# PEGAS DATA
Data transmission system in TETRAPOL

Specification

PEGAS is a codename for a TETRAPOL radio network implementation in Czech Republic owned by Ministry of Interior. URC Systems company is the author of the system design and implementation of data services in PEGAS network.

Czech police is the main user of the data services. The following data services are currently provided by the system:

- Remote on-line parametric database queries
- E-mail for PEGAS users
- Car accident evidence system
- Instant messaging application
- Photo transmission on demand from a remote database (colour 110x140 px.)

System overview

Regional Radio Network

Data Services Portal

External Data Sources

POLICE

Data services portal is a core of the system. It is robust platform that provides all the necessary resources for remote users as well as powerful and secure system that integrates external data sources and databases. Servers are powered by Enterprise Linux and Sun Solaris operating systems. Application and database servers are based on open source technologies and Java Enterprise Edition. Notebooks and rugged PDAs are used as user data terminals connected to radio terminals with serial cable or Bluetooth. Java Micro Edition has been chosen as a main technology on the client side.

Plans

Data service applications have been extensively tested in the field. The data applications are being used by more than 1200 end users. New users are entering the system and new applications are under a development, eg. bar code reader integration, GPS integration, etc.

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