MOBILE RADIO TEST LABORATORY

(1)

LABORATORY PURPOSE:

- Radiocommunication networks and services testing:
  - service functionality
  - service quality
  - technical infrastructure
  - physical environment conditions

SCOPE OF TESTING:

- TETRA networks and services
- Other networks and systems used in professional mobile radiocommunication (PMR) applications
MOBILE RADIO TEST LABORATORY

(2)

➢ EQUIPMENT in general:

- Vehicle supporting lab autonomous activity in service provision location and supporting drive testing
- Test equipment (hardware and software) supplied by top, well-known companies
- Processes and procedures which fulfill quality system requirements
- Test automation and result processing means

➢ SPECIFIC key EQUIPMENTMENT below:
MOBILE RADIO TEST LABORATORY (3)
MOBILE RADIO TEST LABORATORY

AEROFLEX 3920 Series Analog and Digital Radio Test Platform
MOBILE RADIO TEST LABORATORY

(5)

R&S® FSP
Spectrum Analyzer
MOBILE RADIO TEST LABORATORY

R&S®TSMW Universal Radio Network Analyzer Scanner for drive tests

R&S®ROMES 4 Drive Test Software
MOBILE RADIO TEST LABORATORY

(7)

sepura

STP8000
HAND PORTABLE

MTP850 TETRA Handportable

CASSIDIAN

THR9i TETRA HANDPORTABLE

INSTYTUT ŁĄCZNOŚCI
PAŃSTWOWY INSTYTUT BADAWCZY
MOBILE RADIO TEST LABORATORY

Industrial class computers

ACP-4320

U12C
MOBILE RADIO TEST LABORATORY

(9)

Project status and future

- The project is financed by state scientific budget for years 2010-2012 as development project
- Now the laboratory is under construction
- Field trials of the prototype will start in December 2011
- The laboratory prototype will be operable at the end of June 2012

Project partners:

- R&D: National Institute of Telecommunications
- Industry: Military Communication Works No 1 S.A.