

Mobilise 2



Arqiva has worked in partnership with the UK and Ireland's Ambulance Services for many years, providing, maintaining and managing mobile data and radio communications systems. We have developed a real understanding of the issues facing ambulance trusts today, including the significantly increased targets of availability, efficiency and effectiveness.

Mobilise, a scalable end-to-end mobile data solution, was developed to meet the stringent operational requirements of the ambulance service. It provides a seamless data flow between control room and Ambulance, replacing voice over a radio network as the primary means of despatching ambulance crews to the scene of an incident.

Advances in hardware technology and the availability of new air interfaces have led us to develop the next generation solution, Mobilise 2, using industry leading components.

Features

- Mobile Data Terminal (MDT) with colour touch screen display
- Choice of TETRA or GPRS bearer networks
- Optimises the performance and usability of low bandwidth mobile data networks
- Automatic message acknowledgement
- Automatic paging of crews away from the vehicle (when facility enabled on the Airwave network)
- Allows incident updates to be sent from the control room to the vehicle whilst mobile
- Direct interface with Arqiva's Formalise ePRF solution
- Automatic Vehicle Location System (AVLS)
- Mapping
- System administration



Fully Managed Service

Mobilise 2 is provided as a fully managed service and encompasses all the elements required to support the solution throughout its operational life including;

- Full system build and end-to-end integration and testing
- Comprehensive user training
- MDT installation in vehicles
- Asset management of deployed MDTs
- Round the clock technical support and advice
- User and maintenance support 24 hours a day, 7 days a week

User Interface

Mobilise 2 has been developed to meet the needs of individual ambulance trusts, giving them the ability to customise certain fields in the user interface.

An important factor in the design was the compatibility of the user interface with the existing Mobilise solution. This allows ambulance services already using Arqiva's Mobilise solution to introduce Mobilise 2 with the minimum of training requirements.

Technical Specification

Arqiva has carefully selected a technology partner to provide the MDT. The VR2000 from Thorcom is a high performance in-vehicle computing platform for mobile data applications and comprises;

- High performance 32-bit RISC CPU
- Large memory 128Mb SDRAM (256Mb optional)
- Hard disk drive or Compact FLASH for storage
- 7" VGA colour touch-screen
- Integrated GPS receiver
- 2 x 10/100Mbps Ethernet ports
- 4 x RS232 serial ports
- 4 x USB ports
- Console port for configuration and diagnostics
- Battery backed Realtime clock and Static RAM (SRAM)
- Power management and supply monitoring
- Operates from 12V, 24V or 42V vehicle supply
- Low power consumption (typically 4 watts)



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