

As one of the world's most experienced paging companies, Multitone is the first choice for Emergency Service solutions.

Now more than ever you need equipment you can totally depend on and a supplier you can trust. Our policy of continuous development has instigated the development of the ES-Firecoder station end and the Firecomms+ software suite that will serve the communication needs of Emergency Services for years to come.

Firecomms+ Central Communications Processor (CCP)

Firecomms+ is a suite of software applications specifically designed for Emergency Service mobilisation. The Firecomms+ CCP plays an integral part in any GD92 communications system. It is the link between a command and control system and the communication bearers through to the station ends.

A command and control system links to Firecomms+ CCPs (normally two or more are provided for resilience) via a dual redundant LAN, or via serial ports. Any supported bearer or combination of bearers can be used for interconnection to command and control systems or to other Firecomms+ CCPs.

As the message arrives the CCP will check the destination of the message and look in its router table for the method of delivery. A station can have many routes via multiple bearers for message delivery. In all cases, a station route will have:

- primary bearer
- secondary bearer
- probable tertiary bearer

The CCP software will try to send the message via its primary bearer. If this is not available then the message will attempt to be sent via the secondary bearer, tertiary bearer and so on until all bearers are exhausted. Only then will a "fail" be returned to the command and control system.

Key features

- Reliable communication equipment
- Software designed specifically for the Emergency Services
- Links command and control system and the communication bearers through to the station ends
- Multiple bearers for message delivery
- There are a possible 60 RS232 LAN and UDP ports available on each CCP server
- The 60 ports can support GD92 agents
- Flexible, resilient and well proven software
- Servers are supplied with a three year service agreement

Bearer types

There are a possible 60 RS232 LAN and UDP ports available on each CCP server. Each port can be individually programmed to accommodate the following Message Transfer Agents (MTA):

- PSTN
- asynchronous
- ISDN
- LAN (TCP and UDP)
- radio (Multitone specific)
- RMIP
- radio (general)
- RAM
- kilostream
- TETRA
- private wire
- Mobitex
- PakNet
- GSM
- PagerNet (Multitone specific)

Port functions

The 60 ports can also support the following GD92 agents:

- printer agent (serial - parallel port is also available)
- mobilise agent
- virtual agent (data transfer through GD92)
- console agent
- gateway agent (link to email, national paging etc.)
- button box agent
- MG4 external alerter agent
- MG4 emulation agent
- message boards
- Tetra infrastructure tester
- sound agent to public address systems
- peripheral agents
- X25 SMS messaging
- SDS messaging
- alarm agents (various types)
- display agent
- paging agent

Software

The Firecomm+ Central Communications Processor software is derived from our MFWC application, which also runs on the Network Status Manager (NSM) application and station end units. As such it is flexible, resilient and well proven. This software operates on a Windows platform and is normally run as a system service.

Hardware

We currently recommend and supply the Dell Power Edge 1950 server, with dual LAN interfaces and PSUs for resilience. The servers are supplied with a three year service agreement.

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Literature No: NPL080 Issue: 01



Cert No. FM20122