



## Why not hop in Airwave's Volvo Mobile Data Car?

*"Some forces want to take the car through areas where there is a known problem with GSM coverage and to compare it with the Airwave service."*

**Richard Page,**  
Airwave.



*A mobile data car for the blue light community has been put together by Airwave and will soon be making its way to your area. BAPCO Journal will be charting the car's journey from concept inception to build and practical on-the-road demonstrations. Today we look at the objectives and proposed features of the Volvo vehicle.*

The mobile data car (MDC) project has been partly led by Airwave Head of Strategic Marketing Richard Page. The plan was to build a car that would demonstrate how mobile data applications could be integrated with vehicle systems – and show how these work in a real operational environment through a series of events at a number of police forces across the UK.

The main objective of the MDC is to deliver the NPIA Mobile Information Acceleration Programme's mobile data solutions directly to end users – or at the very least increase awareness of the type of capabilities that are currently available.

"Forces all know about mobile data and that funding is available, but perhaps some don't fully appreciate the extent of the capabilities that exist today. And that's what we are trying to bring to the forefront," said Page.

The intention of the road show is to agree an agenda with individual forces and create practical bespoke workshops. This means that an individual force's needs are taken into consideration and equipment from suppliers such as Microbus, Carnation and RSG

Engineering can be included.

"Our intention is to run an event programme on two different levels. First, for top level officers, where the focus is on the Airwave Fusion mobile data strategy and other Airwave services. And second, for project leaders, IT staff and fleet managers, where the focus is on technology and how to implement it while getting maximum return on investment," clarified Page.

For demonstration purposes Airwave has teamed up with Volvo and selected a Volvo Police D5 Estate Manual high speed pursuit vehicle configured by Ford SVP as an unmarked response car.

"This means the vehicle can be used by the ambulance service as well as the fire service – the only difference being that these services do not require software that deals with vehicle speed enforcement or access to the Police National Computer."

A key capability of the vehicle is the TETRA Gateway radio transmitter that is fitted in the MDC, which in essence acts as a mobile TETRA communications hub. "The Gateway transforms the vehicle into a powerful

base station," explains Page. "The MDC is able to bring in extra capacity for special events or incidents. Using a Gateway allows the coverage area to be extended creating a mobile base station for hand portables whilst still enabling communication with trunked mode users."

Day-to-day applications include fire crews who can use the appliance as a gateway or repeater on the fire ground, and allows ambulance crews to leave the vehicle to attend to patients. Using the Gateway, mobile data terminals can be used to "page" direct mode users – it is able to detect, for example, vehicle battery flat

warnings and return to vehicle messages. Users out of coverage of the national network can also report their current position to either their vehicle or to an operator and to their vehicle.

"Forces can borrow the vehicle for an extended period of time – say a week", adds Page. "We've done this in the past so officers can see for themselves how mobile data works over the Airwave network. Some forces want to take the car through areas where there is a known problem with GSM coverage and to compare it with the Airwave service."

### Kitting out the DMC

- Microbus demountable LINX tablet PC (and subsequent install of Expansion Box to support ANPR etc.)
- TETRA PDA
- GPRS PDA with ability to charge batteries
- Microbus Sabre 10- 10x zoom forward facing camera
- TETRA radio and Gateway communications and aerial
- TRACKER stolen vehicle recovery system
- RSG LED flip down rear message sign
- Genisys Carnation Control for blue

lights/siren via the onboard mobile data terminal

- Blue lights flasher unit
- Clear lens (covert) front lights and rear parcel shelf lights with blue LEDs
- Clear lens (covert) tailgate lights with blue LEDs
- Clear lens fend off lights with blue LEDs
- 100 watt three tone siren with honring transfer
- 3600 LED clear lens low profile lightbar with rear red LEDs, front spotlights and side alley lights

- RSG Jupiter Multi Function Data Recorder with GPS and GSM options

### Applications on PDAs and Tablet PC

- Mobile PNC
- Mobile Voters
- Mobile Command and Control
- Mobile Reference Guide (PNLD & PVH)
- Mobile Navigator (GPS)
- Mobile Email and Personal Organiser
- Mobile eNotebook



## Green Light for Blue Light Networks

### Technology services for mission critical networks

Co-ordinated and controlled actions are vital in emergency situations to ensure the right outcome; saving lives and property. In emergency situations, communications are vital and must be achievable at all times. With **telent** as your partner, we will improve and maintain the performance and availability of your communications, letting you concentrate on doing your job effectively.

**telent** is a technology services company with a rich heritage of planning, building and operating mission critical communications networks. A number of emergency services including Merseyside Fire & Rescue, rely on **telent** to support their networks. Our service specialists and 24x7x365 secure Service Centre help to deliver greater efficiencies, meet performance targets, drive economies of scale, manage assets and improve security and public safety.

Our customers have given **telent** the green light to keep their systems fully operational. Why don't you?

For more information about **telent** and what we can do for you, please visit:

[www.telent.com](http://www.telent.com)

Point 3, Haywood Road,  
Warwick, CV34 5AH  
United Kingdom

**Telephone:** +44 (0)800 783 7761

**Email:** [services@telent.com](mailto:services@telent.com)

**telent**  
service • commitment • value