

UNIFIED SINGLE BLOCK DATA

Working closely with the DMRA, Simoco is proud to announce that it is one of the very first manufacturers to offer Unified Single Block Data (USBD) in our 600 Series radio terminals and DMR Tier III infrastructure.

Traditionally, DMR Tier III radio terminals could only communicate their location with AVL servers or dispatchers using NMEA Short or Long format. This format's restrictions meant that a typical control channel is, at best, only capable of supporting a GPS update every 2-3 seconds – often proving insufficient for users requiring GPS updates for large fleets of radio terminals that may often congregate at locations such as depots, or in scenarios where GPS update rates are required to be much more frequent as a matter of safety or urgency.



USBD allows for near real-time GPS updates to protect your fleet, monitor your users and have more control over your network than ever before. By improving the control channel capacity, the risk of control channels becoming overloaded is all but eliminated, thereby preventing GPS location updates from locking out voice call requests.



USBD also sees an increase in update frequency – polling terminals at a much higher rate overall. For example; if 450 vehicles are registered on a single USBD-Capable site, a NMEA site will poll all vehicles every 25 seconds, compared to the previous update rate of around 20 minutes. This means faster, near real-time updates and a much clearer and comprehensive understanding of your network.



For further details on our DMR portfolio, USBD and more, contact us using the details below.



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