Trident AVL Solution

The Trident AVL Solution, TrAVL®, provides the ability to track mobile radio users, such as vehicles, throughout the radio system coverage area.

TrAVL allows you to do vehicle tracking of selected two-way mobile radios in an Analog Conventional or PassPort network. This helps to increase the productivity and employee safety in your organization via efficient location tracking services.

POTENTIAL APPLICATIONS

The Trident AVL Solution can make organizations with fleets more efficient, including:

- **Delivery Companies**
  – Verify exact pick-up or delivery location and time
- **School Buses**
  – Quickly identify the location of a student's bus
- **Waste Management**
  – Monitor driver productivity and route adherence
- **Taxi Cabs**
  – Allows dispatchers to efficiently route taxi cabs to potential customers by knowing each drivers location at any point in time

- **Utilities**
  – Quickly respond to service requests by knowing the location of your vehicles
- **Regional Trucking Companies**
  – Track the progress of your shipments and advise customers of status
- **Small Municipalities**
  – Provide an additional level of driver security and safety

KEY FEATURES/BENEFITS

Trident AVL compatible two-way mobile radio models:	
Radio	**Mode**
CMD1550•LS+	PassPort/Conventional
CDM1550•LS	Conventional
CDM1550	Conventional
CDM1250	Conventional
CDM750	Conventional
PM400	Conventional
CM300	Conventional
CM200	Conventional

Feature	Description of the Feature	Key Benefits
Integrated into the Network	• No call set-up (handshake) is required to transmit data • Not an add on solution but is part of the network	• Data can be transmitted quicker tying up fewer system resources • Total data solution implementation is more seamless to user
Polled Environment versus Report by Exception	• Collision between voice and data subscribers is eliminated • Allows the network to control data	• Can add more data subscribers onto the channel, without jeopardizing system capacity • Total data solution implementation is more seamless to user
Use of same radio for both voice and data	• Data is transmitted using a non-voice group id, so the channel appears busy to other voice users	• Users won't hear data transmitted because data is transmitted using a non-voice group id • User does not have to switch to a specific channel or talk groups for data, which makes operation transparent and easy • Reduces cost to the customer, because one radio can communicate both data transmissions and voice calls

In order to set up a PassPort® NTS® system with data:
- Master Card II is required at every site within your network
- One Dual Channel Card version 1.7 or higher is required for every two voice/data channels
- One NTS Data Card is required per network
- One NTS Data Option is required per data enabled NTS site
- One AVL Kit per data mobile is required
- TrAVL Server Software with Mapping or TrAVL Web Hosting Service is available for vehicle tracking display

In order to set up a single site PassPort Raider Xtreme system with data:
- One Raider II Xtreme Controller is required per data channel (formerly known as Raider Xtreme)
- One AVL Kit per data mobile is required
- TrAVL Server Software or TrAVL Web Hosting Service is available for mapping

In order to set up a Conventional system with data:
- One Raider II Controller is required per data channel (formerly known as Raider)
- One AVL Kit per data mobile is required
- TrAVL Server Software with Mapping or TrAVL Web Hosting Service is available for vehicle tracking display

MOTOROLA