

# Internav<sup>®</sup> SMS

## VEHICLE TRACKING SYSTEM

### PRODUCT INFORMATION

#### General:

**Internav<sup>®</sup>SMS** is an Automatic Vehicle Location, Tracking, Navigation, Management and Control system which utilises the Navstar Global Positioning System (GPS) and the GSM Network (SMS) to provide communications between the central control station and mobiles. The MS Windows based tracking system, located at the control station, automatically polls selected vehicles within the GSM coverage area and then plots their positions on a computer based map.

The control station consists of a Desktop or Notebook computer loaded with **Internav<sup>®</sup>SMS** vehicle tracking software which is connected via the serial communications port to a GSM modem.

Tracked vehicles are equipped with a mobile phone with an internal GPS receiver.

### SYSTEM COMPONENTS

#### Base Station Computer:

Pentium processor or higher  
32MB RAM minimum  
MS Windows<sup>®</sup> 95, 98, NT, 2000. ME  
1 serial communications port  
1 parallel printer port  
SVGA (800x600x256) graphics card minimum  
1 1.44 HD 3.5" diskette drive  
100 MB HDD minimum  
Microsoft mouse  
**Internav<sup>®</sup>SMS** Vehicle Tracking Software

#### Base Station Communications Hardware:

GSM Modem (with SIM card)

#### Vehicle Communications Hardware:

Mobile phone with internal 12 channel GPS  
- Benefon Track  
- Benefon ESC

### FEATURES

- Tracking, following and finding vehicles, shown on colour scanned maps of your choice
- Automatic recording of all emergency and safety events into an event log file
- Collision detection - warning when vehicles are too close to each other
- Alarm Zones - warning when vehicles enter restricted areas
- Corridor Zones - warning when vehicles leave designated travel routes
- Waypoint Proximity - notifying a vehicle upon approaching a checkpoint (waypoint)
- Telemetry - finds the nearest or furthest vehicle to a destination and displays the vehicle speed, distance, bearing and ETA to a selected location
  - Textual and photographic information attached to every vehicle and waypoint
- Vehicle position recording for later playback and analysis

**Internav<sup>®</sup>SMS** is one of a range of Vehicle Tracking solutions from ICS Communications with various 'tracking station to vehicle' radio carriers available. These include VHF/UHF radio, trunking networks, HF SSB radio, Satellite phone (Optus MobileSat and Inmarsat Mini-M) and the GSM mobile phone network.

For the continuous AVL market demands the **Internav<sup>®</sup>** range of products is under constant research and development. **Internav<sup>®</sup>** is the complete vehicle tracking solution with distributors and dealers in Australia, Europe, Africa, United States, South America, China and South East Asia.

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