FEATURES & BENEFITS

○ Position Tracking, Messaging

○ Built-in Offline Base Maps: Vector and Image

○ Touch-screen User Interface Design

○ Tracklogs, Messaging, Zones, Alarms, Call initiation

○ Interoperability with RA Devices

ABOUT

TRACKPOINT is a position tracking and messaging application that aids fleet controllers and control room operators in managing mobile units and operational groups.

The position of **RA** devices and other symbols are overlaid on a comprehensive built-in offline base map and combined with easy-to-use chat messaging to individuals or all members of the group. The intuitive interface can be used for tracking, navigation and coordination.

POSITION TRACKING

TEAM SYMBOLS (BLUE)

TrackPoint enables its operator to track team members. Breadcrumb trails are provided for all mobile units. The speed and bearing of mobile units are displayed on the map.

REFERENCE POINT SYMBOLS (GREEN)

Reference point symbols, can be created and sent to all users in the network. Neutral symbols can also be received from mobile *RA* devices in the field.

ZONES AND EVENTS

A rich set of geofencing zone creation tools are available to the operator. The operator is able to define forbidden and safe zones that generate alarm events upon the entry or exit of a friendly unit respectively. Proximity zones can be attached to symbols as well (creates a radius around the selected symbol that triggers upon an entry event). Pre-defined messages can be attached to zones, which are sent when a zone event occurs.

NAVIGATION

TrackPoint displays the operator's own speed and bearing on the map in an intuitive manner. Any symbol on the map can be tracked. The distance and bearing to the tracked symbol is provided.

MAPS

Each installation includes a comprehensive base map for the user's desired region (custom regions are available). Satellite images are provided up to a scale of 1:70,000. OpenStreetMap layers continue up to a scale of 1:2000. OpenSeaMap Seamarks and GEBCO bathymetry data are overlaid on top of all layers. S-57 Electronic Navigation Charts (ENCs) are supported.

ROBUST & SECURE DATA

The *RapidM Communications Stack* forms the basis of both the *RA* Devices and *TrackPoint* software. It allows the seamless flow of secure digital voice and data through radios or devices fitted with the *RapidM* Modem technology.

VOICE

TrackPoint provides voice call information and voice call control capabilities to the operator. A recent call list and missed call indications are also available to the operator.

TOUCH SCREEN DESIGN

The *TrackPoint* user interface has been designed to be used from a touch interface as is commonly found in Tablet PCs. The on-screen keypad and button sizes have been designed to be large enough so as to be easily usable.

SECURE

Access to the software is restricted by means of an Access Code. All sensitive data can be erased by selecting the Zeroize function.

TRACKPOINT SOFTWARE	
COMMUNICATION	**VOICE:** Secure Digital and Analogue call creation, answer and status information **POSITIONS:** Point creation & position push, team position push & pull **MESSAGING:** Text Messages, SMS, QuickCodes, File Transfer, Template-based Forms **VISUALIZATION:** Tracklogs, Zones – safe & danger, proximity alarms **RADIO NETWORK:** Activity indication, RX & TX data type indication
MAPPING	IHO Publication S-52 and S-57 ENC Maps support. Global satellite image base maps included up to scale 1:250,000. Region specific satellite image maps available with scale up to 1:70,000. Region specific vector maps available with scale up to 1:2,000. Maps sourced from ©OpenMapTiles, ©OpenSeaMaps & ©OpenStreetMap.
VOICE SUPPORT	Secure Digital and Analogue voice support. Point-to-point (Private Line) or Broadcast calls.
OPERATING SYSTEMS	Windows 7, 8 and 10.
MINIMUM SYSTEM REQUIREMENTS	256 GB HDD/SDD Storage – Depends upon the desired map region 8GB RAM Memory 10/100 Ethernet Port / Touch screen or Keyboard & Mouse 4:3 Aspect Ratio – Minimum 1024 x 768 pixel display 16:9 Aspect Ratio – Minimum 1280 x 720 pixel display

TRACKPOINT INTERFACES	
MODEM / RADIO	Ethernet TCP/IP
DISPLAY	Optimised for 4:3 or 16:9 aspect ratio touch-screen displays

ORDERING INFORMATION	STOCK NUMBER	DESCRIPTION
TRACKPOINT SOFTWARE V4	RAP-PC-TPSW-VE4	TrackPoint Software, User Manual V4