

# **PERSONNEL TRACKER**

Space Applications Centre (SAC) of Indian Space Research Organisation (ISRO) has developed a Personnel Tracker with the following features.

# MSS Network

- MSS network with 5 user beams
- User position display on GIS map in real time
- Received user message forwarding from MSS HUB through Email, FTP, etc.
- Web-based GIS support available

#### INDIAN SPACE RESEARCH ORGANISTION



## Salient Features

- Position information in TDMA / Aloha mode of operation
- Supports short messages as well as data transfer through satellite
- USB/ Bluetooth user data interface
- Hand-held, battery operated
- Light-weight and size, within bond of 220 x 80 x 40 mm

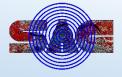
#### Specifications

- Single patch antenna with minimum
  2.5 dBi gain over ±45 deg beam-width
- Terminal EIRP: -1 dBW with 0.5W
   Power Amplifier
- Burst-mode transmission at 1.2/2.4
   kbps with max payload of 80
   characters
- Convolution rate <sup>1</sup>/<sub>2</sub> coding for forward error correction
- BPSK/ QPSK modulation
- Channel spacing : 10.0 KHz

### **Technology** Transfer

SAC/ISRO, offers to transfer this technology of the **Personnel Tracker** developed by SAC to industries in India with adequate experience and facilities. Enterprises interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

Technology Transfer & Industry Interface Division (TTID), PPG Space Applications Centre (SAC), ISRO, Ambawadi Vistar, Ahmedabad - 380 015 Email: ttid@sac.isro.gov.in Fax: 079-26915817 https://www.sac.gov.in/SAC\_Industry\_Portal



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