



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

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.

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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 $\frac{1}{2}$ coding for forward error correction
- BPSK/ QPSK modulation
- Channel spacing : 10.0 KHz

