



TWO-WAY MSS TERMINAL FOR VESSEL TRACKING

Space Applications Centre (SAC) of Indian Space Research Organisation (ISRO) has developed low data-rate two-way MSS terminal for tracking of small boats using in-house developed modem ASIC. The terminal finds use in messaging services, dissemination of information on Potential Fishing Zone (PFZ), disaster warning, asset tracking, etc.



Salient Features

- Forward Link : 9.6 kbps
- Return Link : 2.4 kbps
- Channel Access : Dynamic TDMA
- In-built GAGAN/ NavIC for position
- Bluetooth/ Wi-Fi user Interface
- Mast mountable
- IP65 compliance package
- Battery backup and light Weight

Specifications

- Single patch antenna having 2.5 dBi gain over ± 45 deg beam-width
- Terminal EIRP : 3.0 dBW min
- 250 ms time slot for reporting
- Rate $\frac{1}{2}$ forward error
- Correction
- QPSK Modulation
- Channel spacing : 10.00 KHZ

Applications

- Message services
- Disaster warning dissemination
- Potential fishing zone dissemination
- Asset Tracking Services

Technology Transfer

SAC/ISRO offers to transfer this technology of the **2 way MSS Terminal** developed by SAC to industries in India with adequate experience and facilities. Enterprises interested in obtaining knowhow may register and submit their proposal to IN-SPaCe, Ahmedabad at www.inspace.gov.in

For more details, Contact:

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