

# **MOBILE SATELLITE SERVICES TERMINAL**

### SATELLITE MOBILE RADIO

(Handheld terminal for two way voice and text Message Comm.)

### **Applications**

- ➤ Voice combination
  - Terminal to terminal
  - Terminal to PSTN/Mobile Network
  - PSTN/Mobile Network to terminal
- ➤ Small Text Message communication







## Technology Transfer

SAC/ISRO offers to transfer this technology of the Mobile Satellite Services Terminal – Satellite Mobile Radio 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:

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



### Salient Features

- Support voice communication between terminal and any other telecom network PSTN & Mobile network
- Small message communication
- between terminals
- Hand held size:155 x 200 x 80 mm
- Weight: 1.25 Kg

### Specifications

- Antenna with 2.5 dBi gain over ±45 deg
- Terminal EIRP: 0.5 dBW at 1W power amplifier
- Terminal G/T: -23.0 dB/0K
- Voice compression at 2.4 Kbps gives voice quality better than 3.5 MOS
- Transmission rate: 2.7 Kbps
- Convolution Rate 1/2 forward error correction
- BPSK/QPSK Modulation
- Band width required: 3.7 KHz
- Channel spacing: 10.0 KHz





