

**Space Applications Centre
(TTID/PPG)**

Technology Transfer Agreement
25th January, 2010

Distress Alert Transmitter



MSS Type – D Terminal



With

M/s Avantel Ltd, Hyderabad

M/s Komoline Electronics Ltd, Ahmedabad

M/s VXL Technologies Ltd, Faridabad

Distress Alert Transmitter

An INSAT based Distress Alert Transmitter (DAT) unit will be used to transmit emergency conditions and position location to a central HUB station via DRT transponder of INSAT-3A for rescue operation. It will transmit frequency in the band of 402.65 MHz – 402.85 MHz. It can be used for emergency communication for fishermen going deep in to sea. The unit is light weight and floatable.

MSS Type D Terminal

Mobile Satellite Services (MSS) Type-D Terminal was developed to provide voice & data communication link between two portable terminals and between terminals to PSTN network via Hub station. The small portable terminal works in S band of INSAT satellite.

It can be used from any location of India for emergency communication when other means of communications are not working. The terminal is portable like a small briefcase weighing around 3.5 Kg including battery and flat panel antenna. Deployment of the terminal is very easy.















