



S.M.M.A.T

Mobile System of Tactical Weather Monitoring

Transportable and self-contained
nowcasting center



Ministério da
Ciência e Tecnologia



SMMAT is a lightweight military meteorological system totally self contained and easily transported by wheeled tactical vehicles, based on the S-788 shelter. The rugged design of the S-788 endures demanding off-road military operations while protecting on-board electronics from potential hazards. C-130 drive-on/back-off capability meets your system transportability requirements.



The container is equipped with:

- a C-band Doppler meteorological radar;
- a meteorological satellite receiving station (GOES13);
- a ceilometer;
- two meteorological surface stations.

The software integrates data from all devices and provides a real-time panorama of the meteorological conditions within the distance of hundreds of kilometers, helping on the decision making process.

Model: S7000M

Characteristics:

- Compact and lightweight
- Independent Power generation
 - Mobility
 - Aircraft transportation
- Operation under extreme conditions
 - Real-time information
- A/C for electronic equipment and personnel
 - Infrastructure for additional devices

Application:

- Air operation in remote sites
- Temporary field airport operation
- Helicopter operations (landing and takeoff)
- Weather monitoring in theatres of military operations
 - Weather forecast of Brazilian coast
 - Logistic support on meteorology and communication in areas of natural catastrophes
 - Tactical support to troop actions



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