

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 788 shelter. The rugged design of the S-788 endures demanding

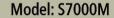
tactical vehicles, based on the S-788 shelter. The rugged design of the S-788 endures demanding off-road military operations while protecting on-board electronics from potential hazards. C-130 drive-on/back-off capability meets your system transportability requirements.



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.



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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