



INSTALLING
RELIABILITY



CREDIT: LAND ROVER

www.ndsatcom.com

EMERGENCY- COMMS-ON-THE-MOVE

FAST, FIRST-RATE SATELLITE
COMMUNICATIONS
EVERYWHERE

Emergency and rescue services must ensure or re-establish the public's health and safety. It is the often unplanned and improvised aspects of these services' working environment that requires them to be ready for any scenario and able to communicate quickly and efficiently from any location. The latest ND SATCOM Satellite Communication-on-the-Move (SOTM) system is one solution to restore stability and peace when the existing communications infrastructure is destroyed or simply not available.

Emergency services such as the police, fire brigade or homeland security need to set up a working communications environment swiftly. Should an incident occur like the highway patrol chase of a crime suspect or an emergency response following a disaster, e.g., an earthquake, SOTM is the only solution. In all these cases, information – mainly in the form of video – has to be transmitted from the scene of the incident to a command centre. Our system runs autonomously and no set-up time is needed to configure it for satellite operation.

This is ideal for First responder or emergency action teams, which are not experts in satellite communications.

ND SATCOM's Emergency SOTM system will save you time, money and manpower while maximizing ease of use. You can transmit video footage up to 7 Mbps from the first second while driving, and also if you have no cellular network or microwave connectivity such as in rural areas. No dish needs to be deployed and adjusted.

KEY FEATURES

- Fastest link re-acquisition time on the market
- Remote control of transmission equipment
- No skilled operator on vehicle required
- High-end fast SOTM modem
- Best voice and video quality





EMERGENCY SERVICES

The satellite link is re-established within 0.2 seconds of any interruption. Using a bonded cellular encoder you can further transmit via satellite and cellular network. This means maximum flexibility while reducing cost. Quadcopters can follow the vehicle and the video can be sent live to headquarters. The van offers a fully equipped office where you can send emails, use the Internet, transmit FTP files or other data and do VoIP calls – all in parallel as needed.



MOBILE COMMAND CENTER

The location of your vehicle is shown on a map. Headquarters can decide which van is closest to the scene and direct it there. If more than one truck is in the field, all traffic can be governed within a bandwidth pool to reduce cost. Communication can occur in all directions, including between the trucks – with a single hop. The latency will be limited to 280 ms. Headquarters can view online all relevant status indicators of your vehicle, such as fuel level, temperature and video settings, and set warning levels. This ND SATCOM SOTM system leads a new era of emergency communication.



SOTM FLEET MANAGER (SFM)

Quick transponder slot booking:

Bandwidth can be booked via GUI (graphical user interface) with drag and drop

Terminal locator:

The location of each terminal shows up on an interactive map

Best overview:

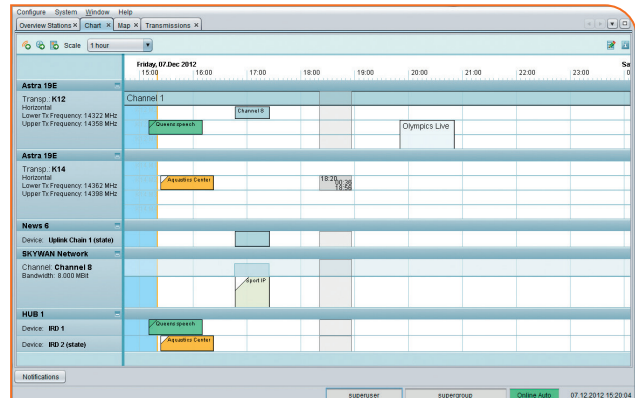
SFM shows all information about your network within one software tool

IP and DVB bookings:

You can use the same bandwidth pool for classic DVB and IP over SKYWAN carriers

Supported Equipment:

Encoders, bonding devices (4G, LTE), camera copters



SOTM FLEET MANAGER (SFM)

SOTM MODEM

SKYWAN 5G with its SOTM enhancements combined with a certified on-the-Move land-mobile or maritime antenna from Gilat, ThinKom, General Dynamics, Cobham, LCDC, EPAK, or others comprise a perfectly tailored News-on-the-Move package.



SFM MAP VIEW OF VEHICLE LOCATIONS

FACTS

- No dedicated News-on-the-Move network needed
- Private networks with SKYWAN 5G networks possible
- Doppler shift compensated modem technology
- Dedicated waveform with BPSK/QPSK modulation
- Up to 10 MBaud
- Best modem performance: Min Es/No=-3 dB
- Fastest re-acquisition of link after interruption of Line of Sight



SOTM MODEM SKYWAN 5G

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