In an emergency situation, efficient communications can be the difference between life and death, or success and disaster. In any emergency operation, communications between different public safety entities is key for effective coordination.

Today, public safety and emergency response agencies use different radio communication systems that are required to intelligently interconnect during the most critical moments.

Recently, SYSCOM has made this possible, providing well-equipped vehicles to base stations with the latest advancements in technology. One must be prepared to interconnect radio communications at any moment. Now the Mexican National Red Cross has a Mobile Radio Communications Center, which serves as an example to public safety agencies involved with emergency response. The new Red Cross Mobile Radio Communications Center is equipped with all of the elements required in an emergency to achieve communications with interoperability.

This new vehicle will be stationed in Mexico City to be used by the Red Cross Director of National Emergencies to be sent wherever needed. It is equipped with 14 VHF, UHF, HF, cellular and trunked radios, as well as an Internet connection, WLAN, cameras, video recorders with audio and image-sending capabilities at 2.4 GHz.

The vehicle has its own electrical power (more than 1000 Ah) as well as a solar panel with a 300 Watt module that makes the Mobile Center invulnerable to electrical faults. The HF radios maintain direct communications with Mexico City and other Delegations of the National and International Red Cross, as well as Aid Organizations and ham radio operators around the world.

The heart of the system, a Zetron Model 4010 dispatch console, allows an operator to direct...
and interconnect 2 to 12 different radio channels or telephone communications and assist with any emergency situation that should require coordination between different entities receiving the exact same information.

The vehicle will travel and be located in the place most convenient for radio communications. It will extend the antennas that it needs and be ready to provide its valuable and indispensable service. On occasion it will be stationed on a mountaintop or near a disaster site to coordinate communications with its powerful radios. It will also be equipped, with prior authorization from the SNSP (National Secretary of Public Safety), with a MATRA radio and other radio equipment which use proprietary protocol, as required to interface with different agencies and entities.

SYSCOM has equipped this vehicle completely free of charge, which is now property of the Red Cross, in addition to the 100 complete repeater systems that will provide full coverage throughout the country.

This is truly the first Mobile Emergency Center in Mexico, demonstrating that costly investments are not required to provide high quality, reliable radio communication. Along with repeater systems, the Mexican Red Cross is now the best equipped agency in the country, without having required proprietary protocols and expensive technology.

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