Actualización del Coordinador de Emergencias de IARU Región 2
Presentado por Dr. César Pío Santos, HR2P

Describes some of the activities and comments on Emergency Communications made by IARU R2 Member Societies (MS) in the last three years.

The presentation has two sections:

The first part has comments on several of the Emergency Communications preparedness activities in IARU R2 Member Societies.

The second part has information on response activities carried out in emergency communications by some IARU R2 Member Societies, specifically those related to the earthquake of April 2016 in Ecuador and to Hurricane Matthew of September-October 2016.

AREDN
Presented by Andre Hansen, K6AH

Mesh technology has been around for ten years or more. Over the past two years developers on the AREDN™ Project have advanced the usability of mesh networking firmware to the Ubiquiti airMAX line of Wireless ISP routers. In the process they have moved the operating frequencies of these devices into the ham bands, expanded potential link distances to 80 km+, and increased their data speeds up to 144 Mbps. This has literally changed the complexion of mesh technology from an experimental, hobby-oriented, novelty into a viable alternative network suitable for restoring high-speed Inter/intra-net connectivity “when all else fails.”

Andre, K6AH, begins with an introduction to the AREDN Project and mesh networking technology, then details an effective implementation strategy specifically for Amateur Radio Emergency Communications in the mountainous terrain found in many IARU Region 2 countries.

SATERN
Presented by Bill Feist, WB8BZH

SATERN (Salvation Army Team Emergency Radio Network) is an international network of amateur radio operators based in the United States that supports The Salvation Army with auxiliary communications and technical expertise, particularly during emergencies and disasters. The presentation made at the IARU Emergency Communications Workshop during the XIX IARU Region 2 General Assembly provided information about the following three broad categories:

1. The purpose, organization and work of The Salvation Army as an international Christian church and denomination.

2. The work of The Salvation Army in disaster response and recovery with a particular emphasis on that work internationally.

3. The work of SATERN as part of The Salvation Army Emergency Disaster Services program, including a brief history of SATERN, the three primary services SATERN provides The Salvation Army and the communities it serves, its' international nets, how it works with other partners in the amateur radio community, its' strategic plan for the 21st Century and how other amateur radio operators can work with SATERN internationally.

Finally, although the conference is not yet over, I want to take this opportunity to thank you for having invited me, as a representative of The Salvation Army and SATERN, to be a part of the U.S. delegation to the XIX IARU Region 2 General Assembly. My participation in this event has offered me an opportunity to meet fellow amateur radio operators from all over the world and to learn more about the work of the international amateur radio emergency communications community and SATERN's place in that work.

Winlink Overview
Presented by Alfonso Tamez, XE2O
President FMRE

When the bands are busy, noisy or propagation is poor it can be very hard to be heard and for messages to be sent and received accurately and efficiently. Imagine being able to send emails and vital information when communications infrastructure is lost or in times of disaster such as a hurricane or earthquake. Imagine providing this capability to a medical team or a search and rescue mission. Or imagine the fun of sending a Christmas greeting via radio to your family and friends from a boat.

WinLink offers the capability to send email via radio. Using a robust platform, redundant servers in different countries, internet gateways worldwide, and error correction it is capable to send email from a radio to conventional email systems such as Hotmail, Gmail, Yahoo Mail or any other regular email address from your HF radio.

Learn how this system works and how, through your participation, you can make this network bigger and more robust.