



IARU Region 1 Emergency Communications report

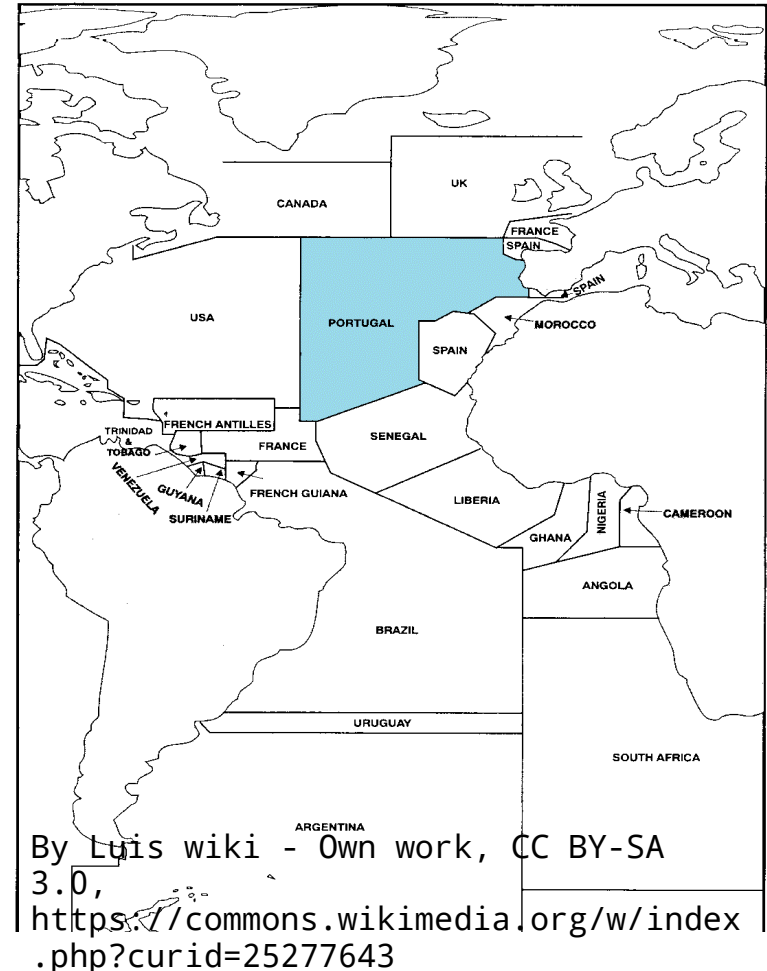
Greg Mossop, G0DUB
24th June 2016





Events since last year...

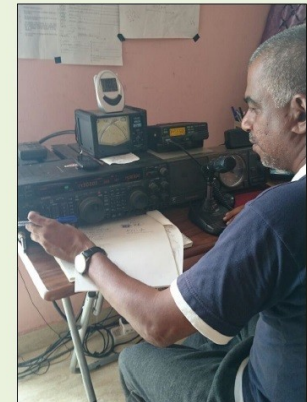
- ☙ Technically NONE!
 - But in this period, Oman had a number of warnings for incoming weather emergencies, the Azores were hit by Hurricane 'Alex' and the UK had it's first season of 'named storms'.





Events since last year...

- ✚ We need to promote more of what we do to prepare for emergencies, or include 'Public Service' events as well as emergency response. This would show the thousands of hours we spend practising.



Members of RAREST during the Tropical Cyclone Ashoba - OMAN June 2015



Publicity

- ✚ Nepal Earthquake produced a world wide response.
 - Interview for CBC 'Spark' radio show
 - Article for Practical Wireless magazine in UK
- ✚ Continued to make postings to www.iaru-r1.org
 - I can now approve articles for publication faster.
- ✚ But what should be considered as news ?



Exercises

- ✚ Two European Union sponsored exercises in the Mediterranean involving Malta.

EXERCISE EXERCISE EXERCISE

EXERCISE SIMIT - Earthquake of 7.6 magnitude hit the Maltese islands with Gozo being the most affected.

Tents for 7000 persons

International Assistance for Search and Rescue

Blankets

Water

END MESSAGE



What did they do?

- ✚ The Malta Exercise allowed an opportunity to show the European Union what amateur radio could achieve.
- ✚ Tested communications on HF and VHF, sometimes across borders.
- ✚ ... and hopefully increased interest in emergency communication.



What did not happen as it could?

- ✚ The messages to the European Community Emergency Response Centre did not get through easily.
- ✚ We did not give all these exercises the full publicity they deserved, before or after.
- ✚ The emergency CoA frequencies were not always as clear as we would like.



Exercises

- ✚ Participation in the ARRL Simulated Emergency Test
- ✚ Exercise Gamma Sur in Spain
- ✚ Exercise REP-SCERA in Lisbon
- ✚ Exercise HALNY in Poland



Exercises

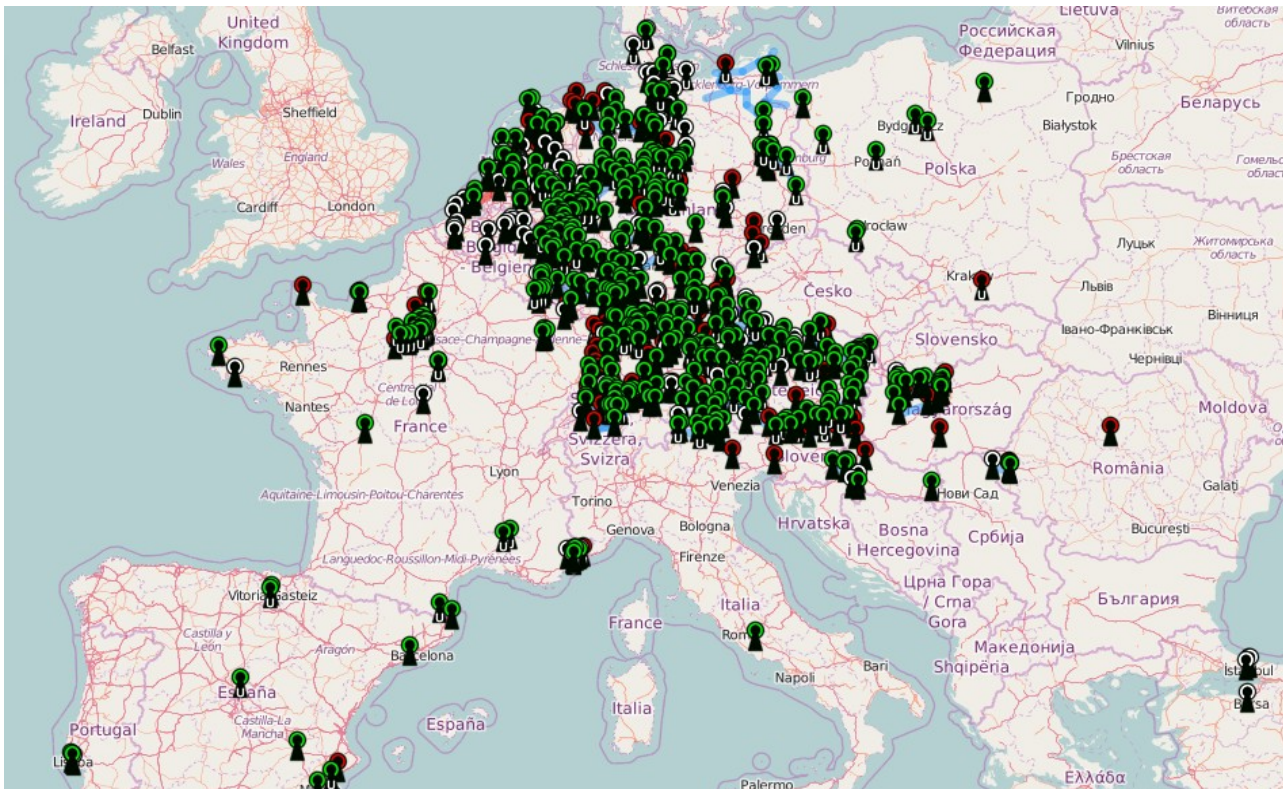
⊕ Power Failure Exercise – Netherlands/Belgium.





Where are we going?

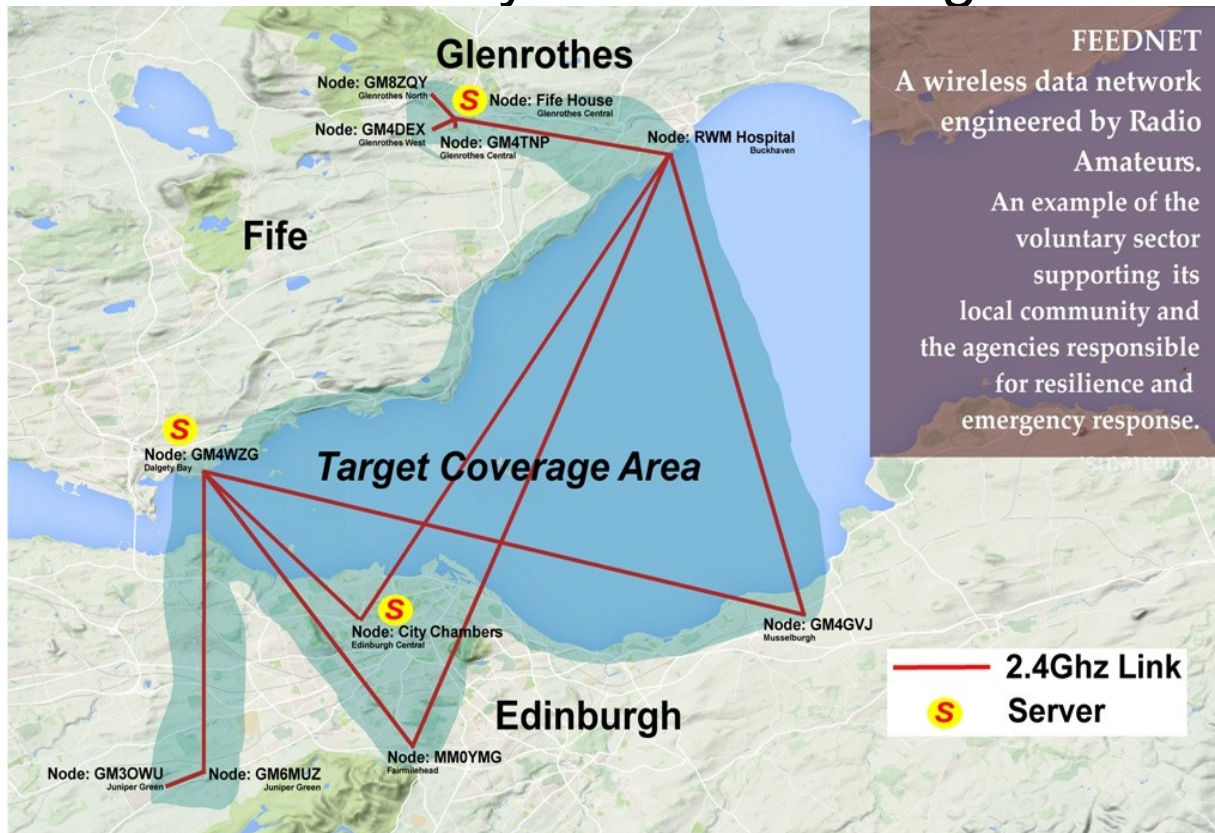
- ☛ Believed to be more demand for Internet services





Where are we going?

- High bandwidth is only over short ranges





Remember the ITU rec. 1042-2?

- that administrations encourage the development of amateur service and amateur-satellite service networks capable of providing radiocommunications in the event of natural disasters

▪



Remember the ITU rec. 1042-2?

- that such networks be robust, flexible and independent of other telecommunications services and capable of operating from emergency power.



We need to remember...

- ✚ We must be stronger than the systems we replace.
- ✚ The region is more than Europe, we must not forget Africa and the Middle East.
- ✚ We need to communicate more to learn from each other.



QRM happens, even at VHF...

- ✚ Most of our activity happens on VHF/UHF.
- ✚ Lift conditions and good propagation can cause problems.
- ✚ One example recently was QRM between Scotland and Norway.



How do we improve this?

“This is GMnXXX, RAYNET Control for the Aberdeen Kiltwalk. This frequency is in use for event and public safety, and for the use of the Red Cross. Stations on this frequency please identify yourself or move to another frequency please.”



What is our vision ?

✚ We need to discuss the issues this afternoon.

- Decide what we should do.
- Then recognise what we can do.
- Then do it !

If we have confidence in these points, talking to the regulators should be easy.



Region 1 information

Information (when I get it) is posted to

<http://www.iaru-r1.org>

Up to date information is needed for publicity leaflets so we are still seen to be relevant.



Thank you!



The International Amateur Radio Union

Since 1925, the Federation of National Amateur Radio Societies
Representing the Interests of Two-Way Amateur Radio Communication
