Ericsson Response

Introduction for ITU Emergency
Telecommunications Roster

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In brief

Mission	In times of need or when disaster strikes, Ericsson Response uses its technology, competence, resources and solutions to support it's aid agency partners and their relief operations.

40
Different relief efforts in more than 30 countries

Since 2000

— Non-profit
— Non-commercial
— Non-political

Three key elements

1

Volunteers

150 trained volunteers are ready to support, either by deploying emergency telecoms equipment in the field or working back home, using their expertise to respond to crises as effectively as possible.

31 countries
32 languages

2

Technology

WIDER (WLAN in Disaster and Emergency Response) is the most deployed equipment, providing data communications to the humanitarian community in emergencies, allowing humanitarian workers to access the internet wirelessly via their WiFi-enabled devices.

3

Partners

Ericsson Response supports the UN World Food Programme within the Emergency Telecommunications Cluster (ETC). Other partners include OCHA and UNICEF.

Training

Basic training – non technical

Basic Training course
— 1 week in Sweden

Partner training – technical

— Let's Net
— Let's Com
— ETC coordination
— UNICEF ETT

— Conduct and support training

Exercises

— Gear.up
— Triplex

Ericsson relief communications equipment (1/2)

Ericsson relief communications equipment (2/2)

WIDER: WiFi in Disaster and Emergency Response

WIDER Core

Outdoor
Access Point

Indoor
Access Point

Panel Antenna

When disaster strikes

1
Disaster
preparedness

2
Partner
request

3
Volunteer
preparation

4
Set-up
communication

Some field activities

- Hungary
- Tajikistan
- Iraq
- Afghanistan
- Libya
- Iran
- Algeria
- Pakistan
- Nepal
- Bangladesh
- Haiti
- Bahamas
- India
- Dominica
- Philippines
- El Salvador
- Caribbean
- Liberia
- Central African Republic
- Sri Lanka
- Nigeria
- South Sudan
- DR Congo
- Peru
- Tanzania
- Mozambique
- Vanuatu

Highlight of missions 2000 – 2019

2000 – Extreme floods in Algeria & severe drought in Tajikistan

2001 – Flooding in Hungary and earthquakes in Pakistan, Peru, El Salvador. First emergency response on large scale to Kabul, Afghanistan

2002 – Rail disaster in Tanzania and food crisis in Lesotho. Humanitarian Aid to Afghanistan.

2003 – Earthquakes strike Algeria and Iran. Hurricane in Caribbean. Aid to Liberia.

2004 – Tsunami devastates Indonesia and Sri Lanka.

2005 – Hurricane Katrina hits the US. Earthquakes in Pakistan.

2006 – ICT support for aid workers in South Sudan. Earthquake victims in Pakistan.

2007 – Establish connectivity for aid worker in Central African Republic and in Peruvian Earthquake.

2008 – Establish connectivity for Save the Children in South Sudan.

2009 – Assessment of ICT needs in Philippines. ICT support in de-mining mission in DRC.

2010 – Earthquake strikes Haiti.

2011 – "One UN" initiative.

2012 – ICT support in South Sudan, Mozambique, Tanzania and Uganda.

2013 – Super typhoon Haiyan hits the Philippines.

2014 – West Africa during the Ebola crisis. Continuous support in South Sudan.

2015 – Earthquakes in Nepal.

2016 – Hurricane Matthew struck Haiti. Mission in South Sudan ended.

2017 – Hurricane Irma and Maria, relief efforts in the Caribbean.

2018 – WFP IT support in Libya

2019 – Cyclon Mozambique Idai and Kenneth

2019 – Refugee crisis in Bangladesh - Cox's Bazar

2019 – Hurricane Dorian – Abaco, Bahamas

Caribbean 2017

— Connectivity to over 2900 users (peak data) from over 50 relief organizations in cooperation with ETC partners, including limited access for the local population

— Covers both major airports in the country, as well as health care facilities and the main port

— [GSMA Global Mobile Award](#) for Best Mobile Innovation supporting Emergency or Humanitarian Situations at the 2018 Mobile World Congress
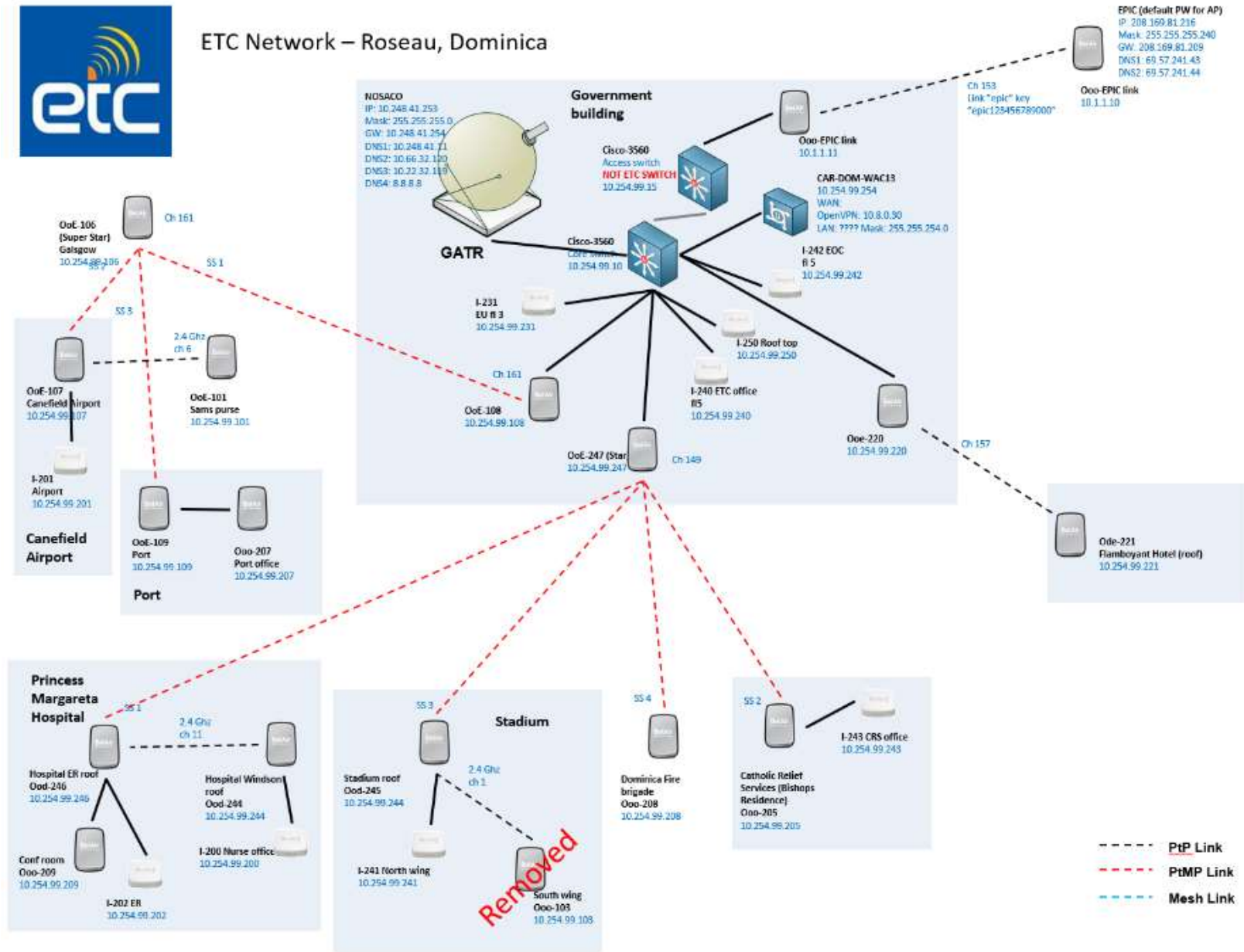
Case film (4 min)

ETC Network – Roseau, Dominica

EPIC (default PW for AP)
IP: 208.169.81.216
Mask: 255.255.255.240
GW: 208.169.81.209
DNS1: 69.57.241.43
DNS2: 69.57.241.44

Ooo-EPIC link
10.1.1.10

NOSACO
IP: 10.248.41.253
Mask: 255.255.255.0
GW: 10.248.41.254
DNS1: 10.248.41.11
DNS2: 10.66.32.120
DNS3: 10.22.32.110
DNS4: 8.8.8.8

Government building

Cisco-3560
Access switch
NOT ETC SWITCH
10.254.99.15

Ooo-EPIC link
10.1.1.11

Ch 153
Link "epic" key
"epic123456789000"

CAR-DOM-WAC13
10.254.99.254
WAN:
OpenVPN: 10.8.0.30
LAN: ???? Mask: 255.255.254.0

GATR

Cisco-3560
Core switch
10.254.99.10

I-242 EOC
fl 5
10.254.99.242

OoE-106
(Super Star)
Galsgow
10.254.99.106

Ch 161

SS 1

SS 3

2.4 Ghz
ch 6

I-231
EU fl 3
10.254.99.231

I-250 Roof top
10.254.99.250

OoE-107
Canefield Airport
10.254.99.107

OoE-101
Sams purse
10.254.99.101

Ch 161

OoE-108
10.254.99.108

I-240 ETC office
fl5
10.254.99.240

Ooe-220
10.254.99.220

Ch 157

I-201
Airport
10.254.99.201

Canefield Airport

OoE-109
Port
10.254.99.109

Ooo-207
Port office
10.254.99.207

OoE-247 (Star)
10.254.99.247

Ch 149

Ode-221
Flamboyant Hotel (roof)
10.254.99.221

Port

Princess Margareta Hospital

SS 1

2.4 Ghz
ch 11

SS 3

Stadium

SS 4

SS 2

I-243 CRS office
10.254.99.243

Hospital ER roof
Ood-246
10.254.99.246

Hospital Windsor roof
Ood-244
10.254.99.244

Stadium roof
Ood-245
10.254.99.244

2.4 Ghz
ch 1

Dominica Fire brigade
Ooo-208
10.254.99.208

Catholic Relief Services (Bishops Residence)
Ooo-205
10.254.99.205

Conf room
Ooo-209
10.254.99.209

I-200 Nurse office
10.254.99.200

I-241 North wing
10.254.99.241

Removed

South wing
Ooo-103
10.254.99.103

I-202 ER
10.254.99.202

- - - - PtP Link
- - - - PtMP Link
- - - - Mesh Link

Mozambique