

ERICSSON RESPONSE MISSION HAITI 2010

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ERICSSON RESPONSE



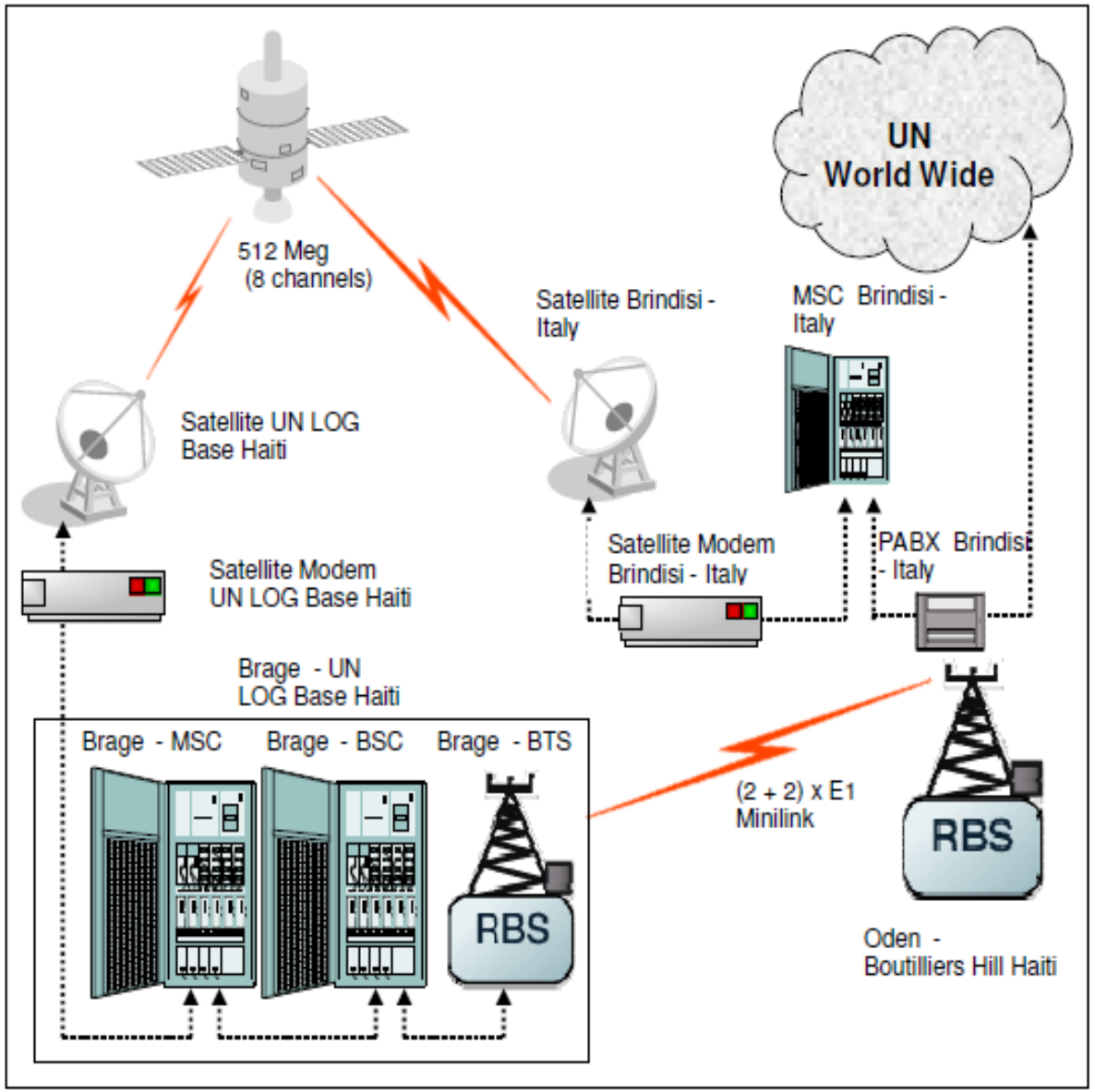
- A group-wide employee initiative for ICT support in humanitarian emergencies.
- Supported relief efforts in over 30 countries, on 50 occasions over 13 years
- Non-commercial, non-political
- Act only upon partner request for support – never alone



ERICSSON RESPONSE IN THE FIELD - HAITI

- Complete GSM network plus remote RBS site
- Support to UN partners: OCHA, WFP and UNICEF
- Connected via satellite to UN PBX in Brindisi, Italy
- Operated for 6 months in Port-au-Prince
- 16 Volunteers deployed for GSM system support
- No direct competition to local operators

HAITI GSM NETWORK EQUIPMENT



- Complete GSM voice network – Core and RAN
- 900 MHz GSM Band
- 6 radio cells over 2 sites
- 180 simultaneous voice calls – avg 3000 calls per day
- Mobile to mobile (local), mobile to PBX and PBX to mobile
- Provided 90% coverage for more than 100 km^2



ERICSSON RESPONSE LESSONS FROM THE FIELD - CHALLENGES

- Transport and Logistics – air transport
- Frequency/Spectrum GSM – non-competition
- Local Logistics – roads, secure locations, power
- Topography – hilly terrain and high building density
- Satellite bandwidth limitations
- Duration of mission – when is local infrastructure sufficient?



FUTURE CHALLENGES – BEYOND GSM

- WCDMA spectrum requirements
- Data connectivity and system requirements
- Secured Frequency and Spectrum that is predictable
- Satellite backhaul capacity – data!
- LTE requirements – spectrum and data backhaul
- Perception of competition to other operators



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