UN Conference on Space Affairs
Emerging Markets Communications Inc.
Miami, USA

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Emerging Markets Communications (EMC)

- Established in 1999
- 15 Offices with HQ in Miami
- Ownership: private investors, employees and World Bank Group (IFC)
- Focus on hard to reach areas, Africa, Middle East, Latin America and Asia
- Over 2000 installations in 140 countries
- Over 200 Employees globally
- Own and operate 3 “world class” teleports
- MPLS Terrestrial PoPs in Africa
- ISO 9001 Certified Company
Offices and Support Centers:

- Nairobi, Kenya
- Dakar, Senegal
- Dubai, UAE
- Moscow, Russia
- Raisting, Germany
- Miami, USA
- Buenos Aires, Argentina
- Almaty, Kazakhstan
- Bangkok, Thailand
- Redditch, UK
- Lagos, Nigeria
- Luanda, Angola
- Kabul, Afghanistan
- Baghdad, Iraq
- Juba, South Sudan

To be Opened 4th Q 2011
Tanzania and Egypt.
To be reviewed in 2012, China
EMC Emergency Response
EMC Emergency Response team is responsible for all the Logistics and Field Support required to support UN agencies during humanitarian emergencies. This team is driven by the same commercial goals of EMC but has a social responsibility to the people in suffering. This team’s vision and strategy are oriented to help UN agencies become more efficient and to gain speed in responding during emergencies by providing quick and cost effective support. This team of experienced professionals is lead by EMC COO.
EMC Technology adaptations to emergency environments

EMC has been responding to emergencies with its own team of Field engineers since 1999.
✓ Stand by Partnership for Emergency response (UN / OCHA) Communication
EMC Logistics

- EMC and UN Stock of pre-stage equipment at UN locations or EMC regional Offices in Africa, The Americas, Central Asia and the Far East.

- 1 Box Shipment for C band Equipment (2.4/1.8/0.9 Mts antenna, all electronics, Router, UPS and Isolation transformer)

- EMC Especial procedures to synchronize shipping and receiving ends and cargo tracking.

- Speed up customs clearance and UN taxes exemption.

- All above according to ISO 9001 standards
EMC QD’s

Copper cable 8 mm² section with clamp ends fixed to the rack bolts.

Copper cable 16 mm² section

Copper cable 50 mm² section, 19 wires, 25 meters, with plastic covered

Rod to cable clamps

Cast iron inspection box.

Grounding rods Copperweld

Ground point Isolator Transformer

To PBX gnd point

To datacenter grounding system

EMC SAT MDM

Router

Line modem

M&C Switch

UPS

Batteries

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How can we use 90 cm in C-Band?

Premium C-Band frequencies (6.7-7 GHz).
Some of the Emergency response Where EMC support UN

“Tsunami” Sudan
Niger Nepal Chad

Somalia Haiti Libya
“Horn of Africa”

OCHA, UNDP, UNICEF, WFP, HCR,
UNFPA, UNAIDS, IOM, WB, IMF, UNOPS, FAO and NGO’s
Some of EMC’s new Services / Products that will be important for Emergency response as well as normal operation
Above all else it’s the Network!

**HD Connect / SpeedNet**

Innovative Communications for Emerging Markets

- **HD Connect** – High quality, affordable video conferencing anywhere
- **SpeedNet** – Blazing fast Internet & Applications over VSAT

- Affordable high quality Video Conferencing anywhere on the planet – on land, sea or air! Works with any video conferencing system
- SpeedNet – Patented innovative split application system delivers the fastest internet or hosted application experience available anywhere!
Compatible with all video conferencing systems

Bandwidths supported are in multiples of 1Mb or 5Mb or any combination and bundled with monthly usage hours (10, 20 or custom bundles) to suit the locations usage requirements.

Compatible with popular scheduling systems

Connected to AT&T’s Business Exchange

Managed Video Services are available

Available as “total solution” including end-point or as a portal for use with current video conferencing systems
## Download and View Time Based on a 20 Mbps File

<table>
<thead>
<tr>
<th>Type of Link by Latency</th>
<th>Time to Open and View a 20 Mb corporate document</th>
<th>Mbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMC SpeedNet “Zero Latency” EMC Satellite</td>
<td>3 Seconds</td>
<td>100</td>
</tr>
<tr>
<td>50 Msec “In Country” terrestrial Non EMC Link</td>
<td>105 Seconds</td>
<td>1.5</td>
</tr>
<tr>
<td>100 - 180 Msec “Inter Country” terrestrial Non EMC Link</td>
<td>126 Seconds</td>
<td>1.5</td>
</tr>
<tr>
<td>200 - 380 Msec “Inter Continental” terrestrial Non EMC Link</td>
<td>165 Seconds</td>
<td>1.5</td>
</tr>
<tr>
<td>850 - 1200 Msec “TDMA Overbooked” Satellite Non EMC Link</td>
<td>256 Seconds</td>
<td>1.5</td>
</tr>
</tbody>
</table>

*EMC Proprietary Information*
Global Coverage

North America

Europe Middle East

Asia

Africa

South America

Australia
Questions?
Thank you

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