UN Conference on Space Affairs

Shortlisted **2011** **Best New Service**

EMC HD Connect
HD Telepresence Managed Video Broadcast On Demand Services

EMC SpeedNet

EMC
EMERGING MARKETS COMMUNICATIONS

Emerging Markets Communications Inc.
Miami, USA

Senior Vice President, Jan Erik Kjaer
jkjaer@emc-corp.net
www.emc-corp.net

EMC

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

EMC Field Support Centres

15 EMC Offices and Support Centres

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

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 <u>has a social responsibility to the people in suffering</u>. 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

EMC Technology adaptations to emergency enviroments

EMC has been responding to emergencies with its own team of Field engineers since 1999.

EMC

✓ **Stand by Partnership for Emergency response (UN / OCHA) Communication**

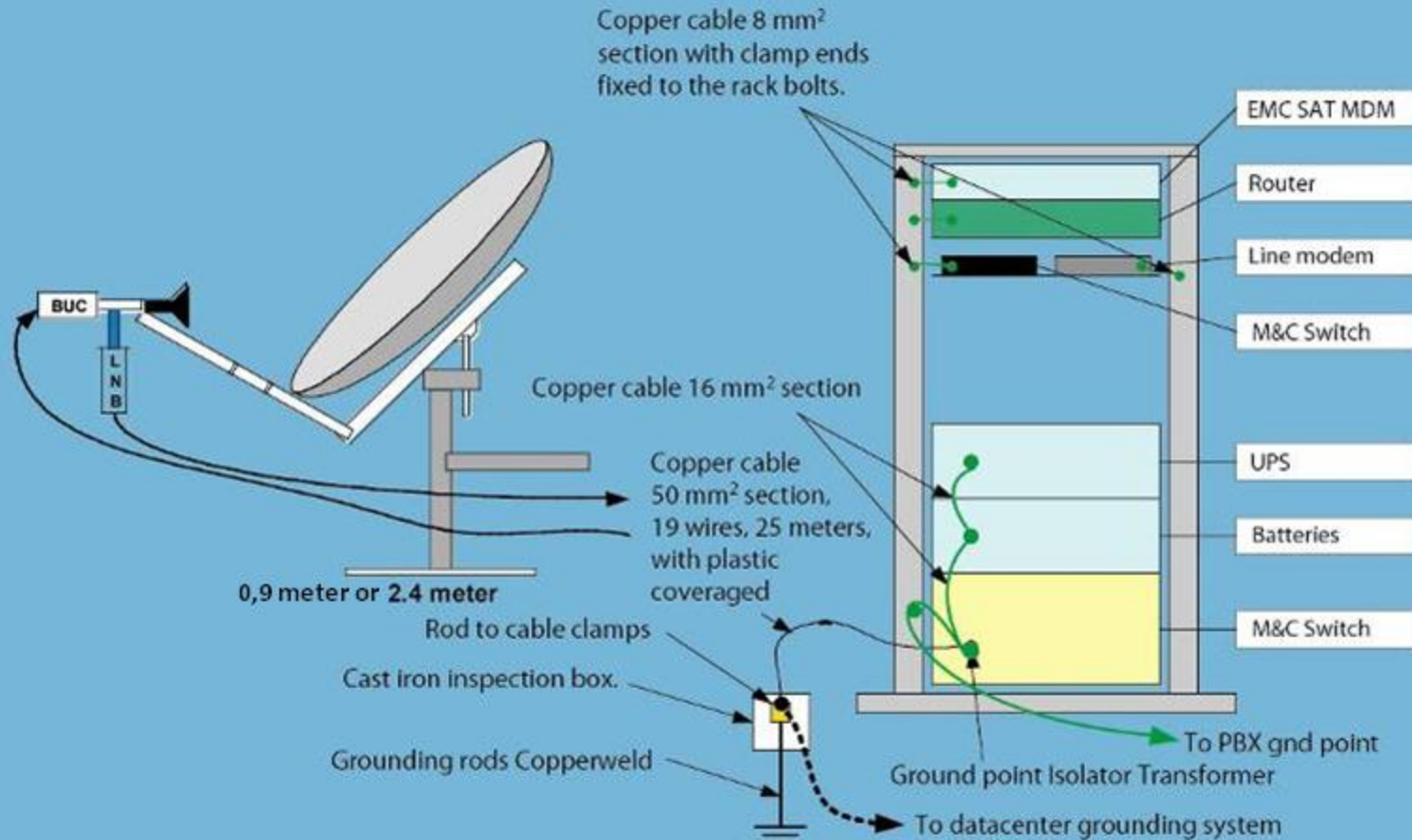Emergency   Prepared   HUB   Local Setup   Operation
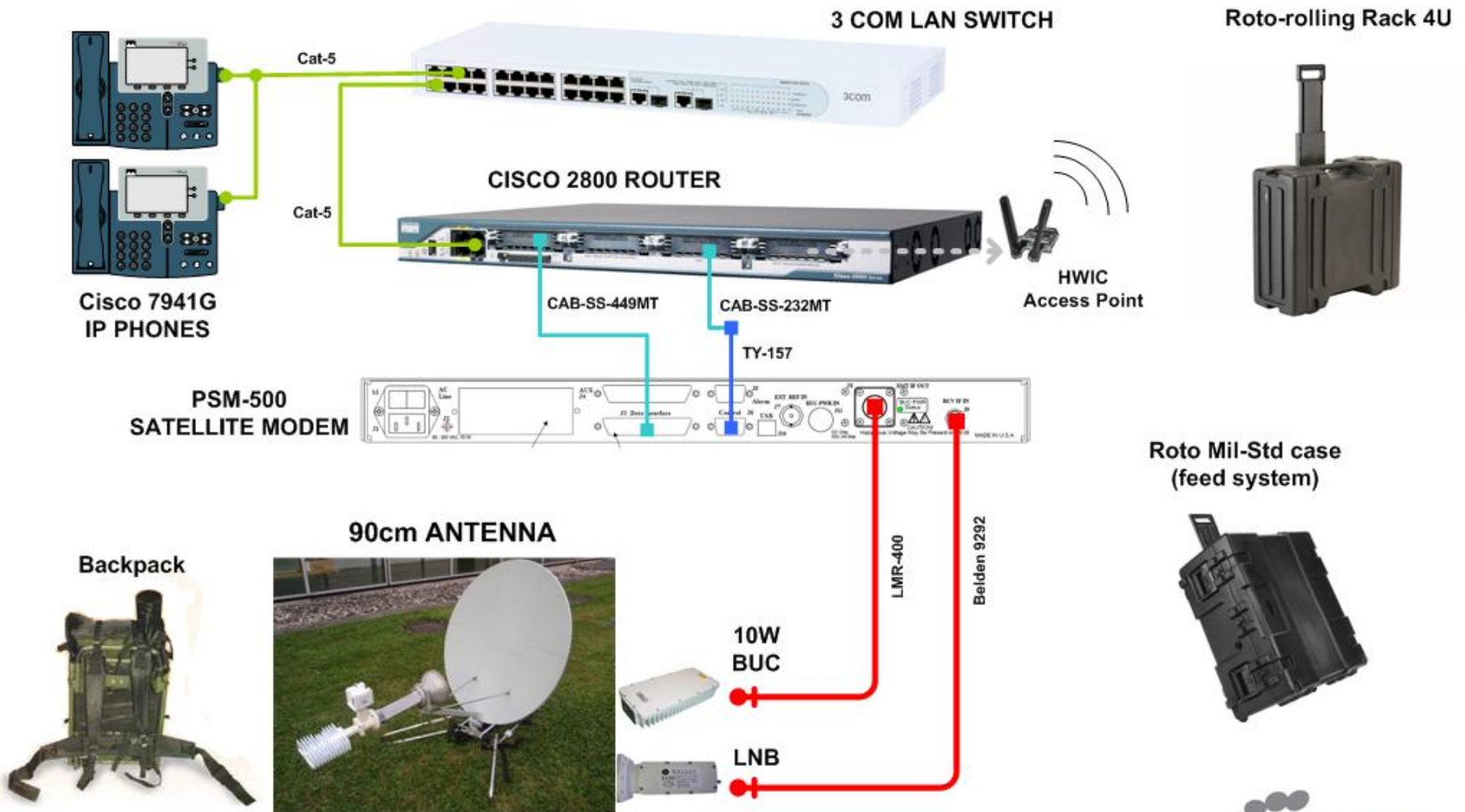

HQ

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

EMC QD's

FLYAWAY BACKPACK ANTENNA KIT - UNHCR

3 COM LAN SWITCH

Roto-rolling Rack 4U

Cat-5

Cat-5

CISCO 2800 ROUTER

HWIC
Access Point

Cisco 7941G
IP PHONES

CAB-SS-449MT

CAB-SS-232MT

TY-157

PSM-500
SATELLITE MODEM

Roto Mil-Std case
(feed system)

90cm ANTENNA

Backpack

10W
BUC

LNB

LMR-400

Belden 9292

EMC

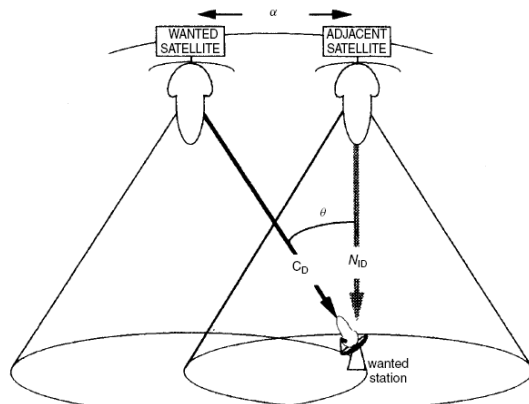EMERGING MARKETS COMMUNICATIONS Inc.

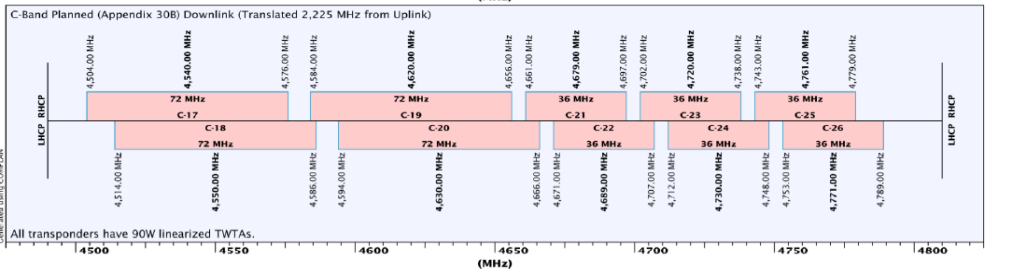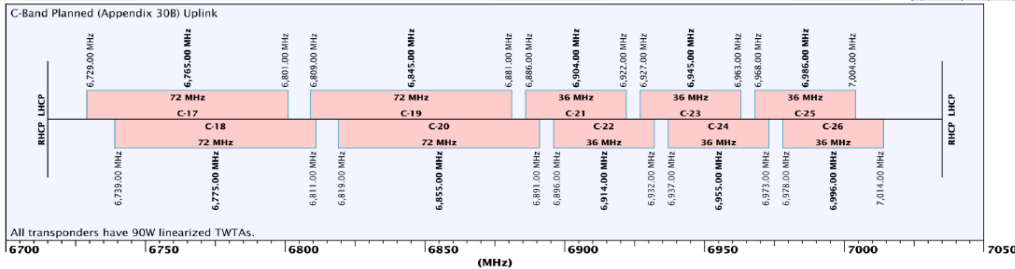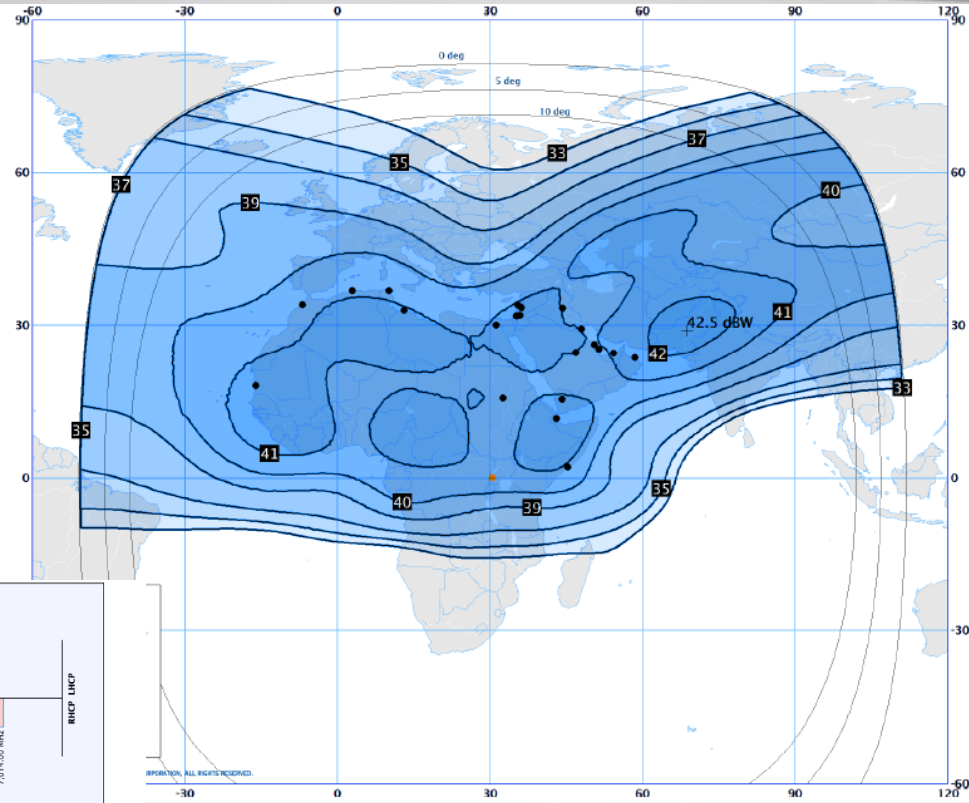# How can we use 90 cm in C-Band?

Figure 5.34 Downlink interference from adjacent satellite systems

Premium C-Band frequencies (6.7-7 GHz).

Some of the Emergency response Where EMC support UN

"Tsunami"   Somalia
Sudan   Haiti
Niger   Libya
Nepal   "Horn of Africa"
Chad

OCHA, UNDP, UNICEF, WFP, HCR,
UNFPA, UNAIDS, IOM, WB, IMF, UNOPS, FAO and NGO's

EMC

Some of EMC's new Services / Products that will be important for Emergency response as well as normal operation
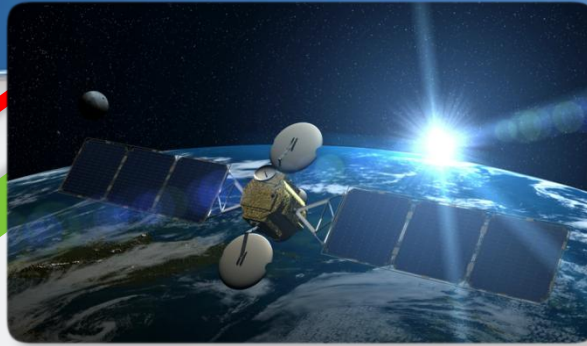
Above all else it's the Network!

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!*

EMC

EMC HD Connect

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
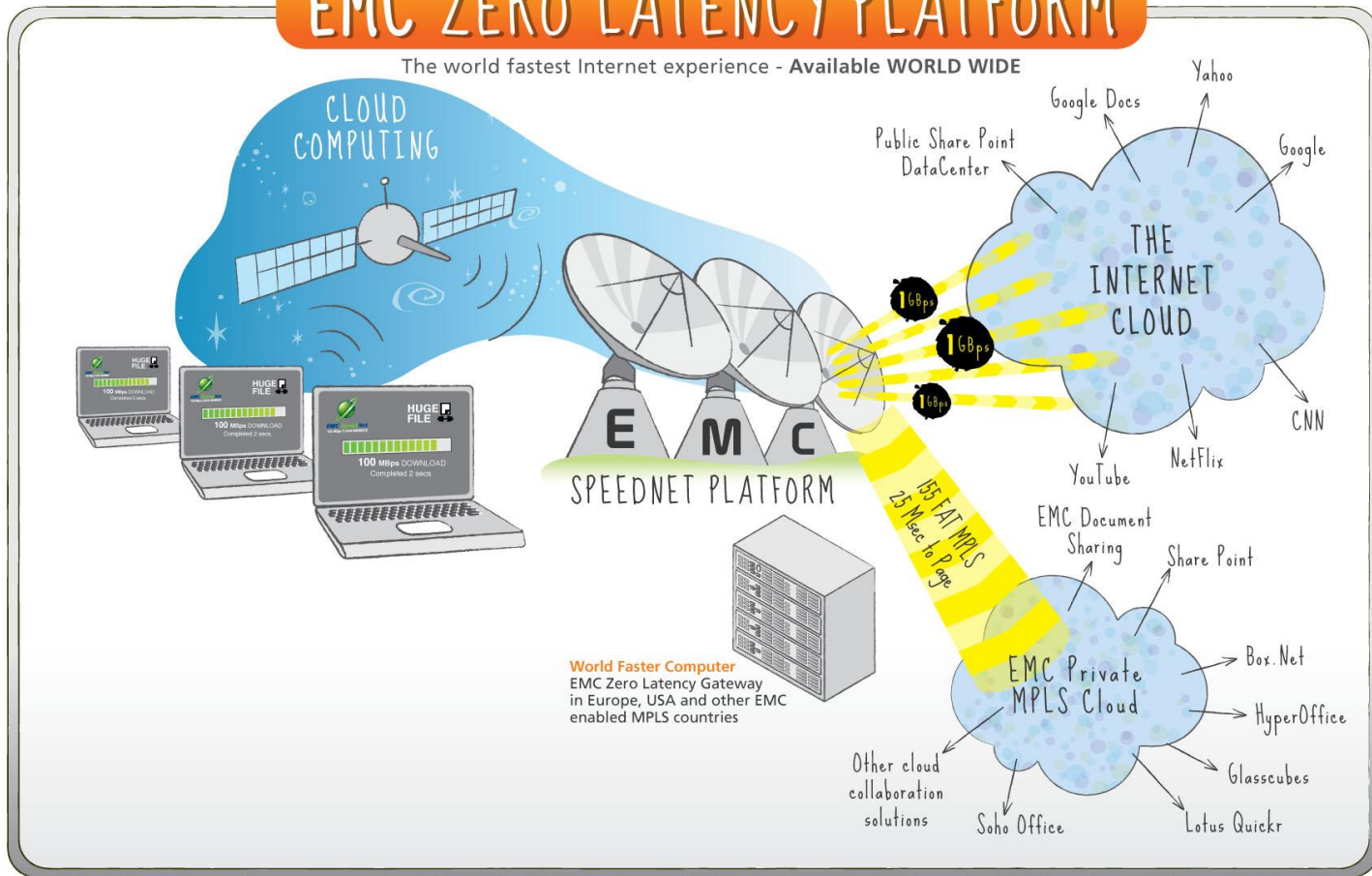
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EMC *Speed*Net

eMC

EMC ZERO LATENCY PLATFORM

The world fastest Internet experience - **Available WORLD WIDE**

Download and View Time Based on a 20 Mbps File

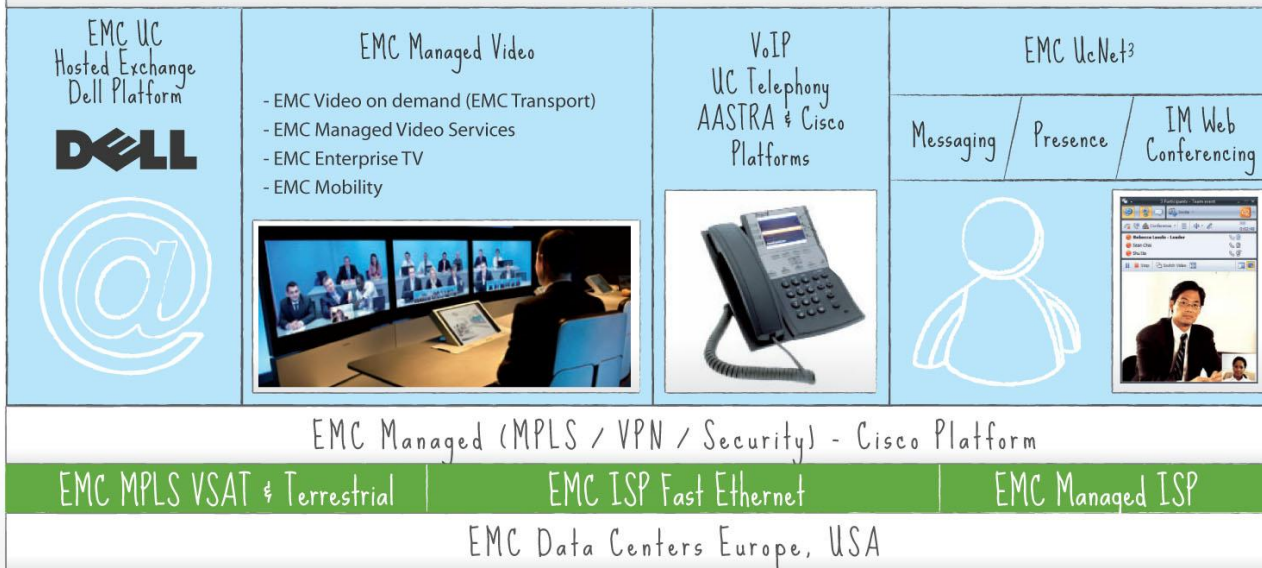| Type of Link by Latency	Time to Open and View a 20 Mb corporate document	Mbps
EMC SpeedNet "Zero Latency" EMC Satellite	3 Seconds	100
50 Msec "In Country" terrestrial Non EMC Link	105 Seconds	1.5
100 - 180 Msec "Inter Country" terrestrial Non EMC Link	126 Seconds	1.5
200 - 380 Msec "Inter Continental" terrestrial Non EMC Link	165 Seconds	1.5
850 - 1200 Msec "TDMA Overbooked" Satellite Non EMC Link	256 Seconds	1.5

EMC Value Chain Proposition

for Global Enterprises

GREEN IT

EMC HOSTED VIRTUAL DESKTOP

EMC Zero Latency | EMC SpeedNet

EMC Fully Integrated Unified Communications

EMC UC
Hosted Exchange
Dell Platform

DELL

EMC Managed Video

- EMC Video on demand (EMC Transport)
- EMC Managed Video Services
- EMC Enterprise TV
- EMC Mobility

VoIP
UC Telephony
AASTRA & Cisco
Platforms

EMC UcNet³

Messaging | Presence | IM Web Conferencing

EMC Integration Management

EMC Managed (MPLS / VPN / Security) - Cisco Platform

EMC MPLS VSAT & Terrestrial | EMC ISP Fast Ethernet | EMC Managed ISP

EMC Data Centers Europe, USA

EMC Proprietary Information

EMC

Global Coverage

Questions?
Thank you

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