

Softwire Mesh Management Information Base(MIB)

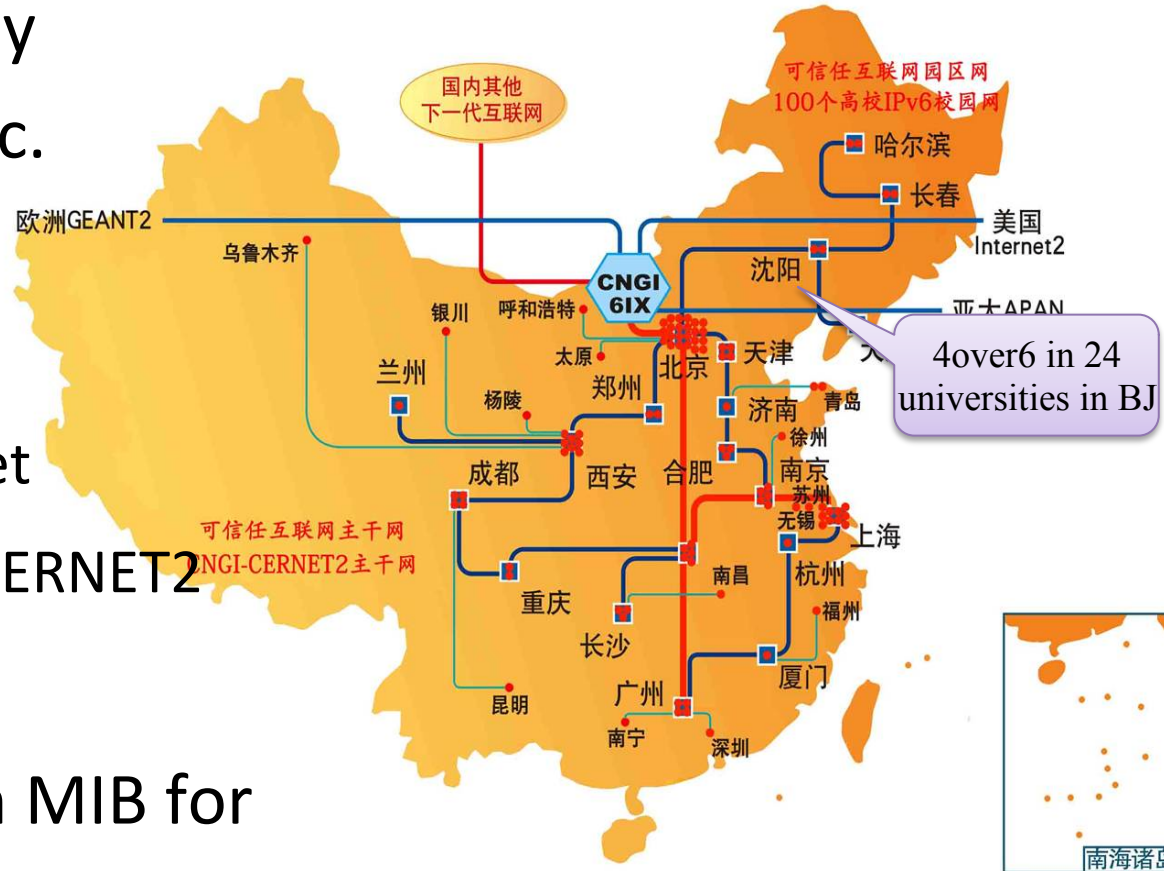
draft-ietf-softwire-mesh-mib-00

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IETF 85, Atlanta, Nov. 2012

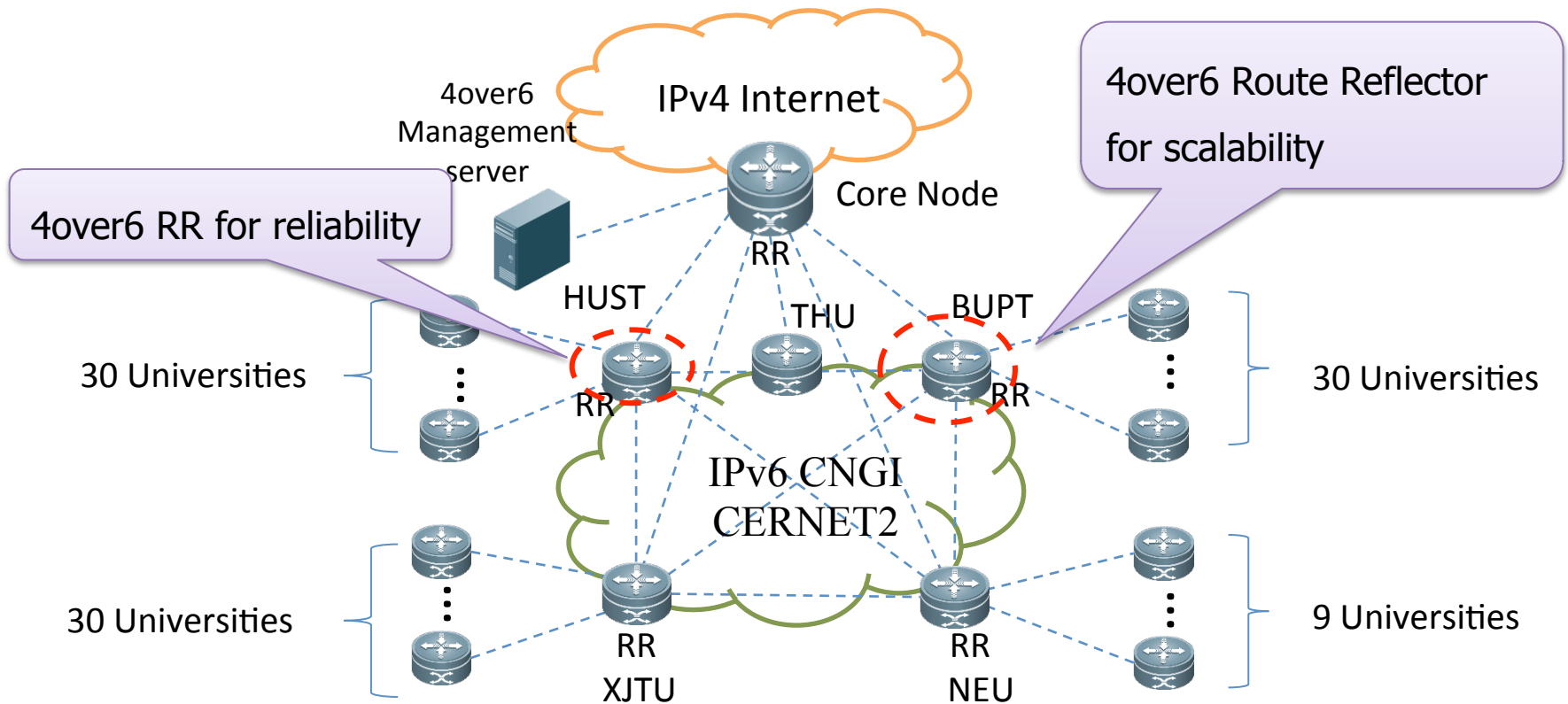
4over6 Mesh Deployment

- Implementations by Huawei, Bitway, etc.
- Deployment
 - China Next-Generation Internet
 - 4-over-6 mesh in CERNET2
 - 100 PE routers
- Using 4over6 mesh MIB for network management



4over6 Mesh Deployment

- Deployment in 100 universities
- Using SNMP to get Software Mesh MIB on PEs



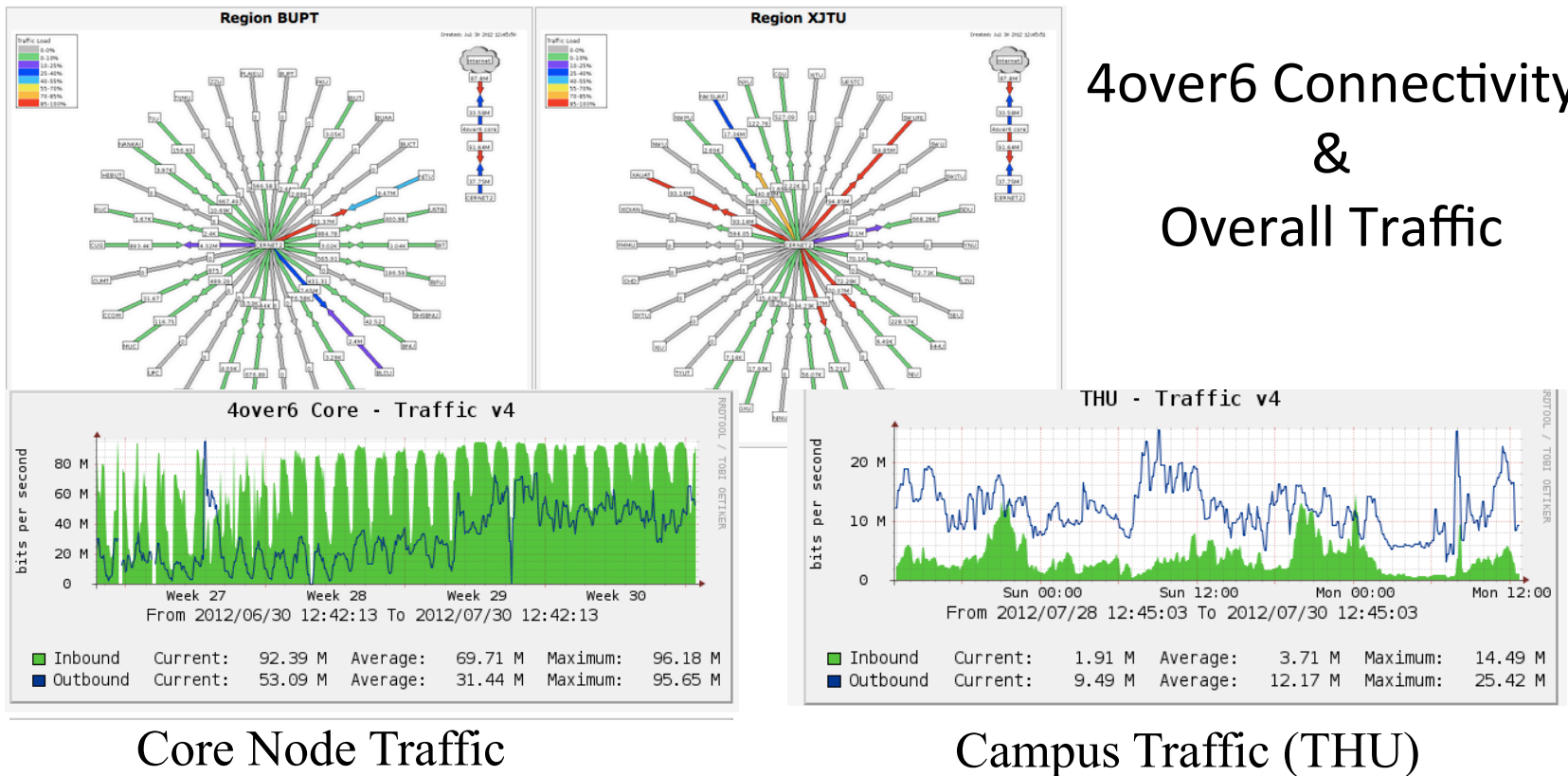
Softwire Mesh Encaps Table

Gateway of last resort is 203.91.121.137

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S      0.0.0.0/0 [1/0] via 203.91.121.137, GigabitEthernet 1/0/1
B      192.168.101.0/30 [200/0] via 2001:250:C01:6092:1::100, GigabitEthernet 1/0/0
B      202.118.64.252/30 [200/0] via 2001:DA8:A800:E003::200, GigabitEthernet 1/0/0
B      202.198.128.0/24 [200/0] via 2001:250:7401:6::108, GigabitEthernet 1/0/0
B      202.204.160.0/24 [200/0] via 2001:DA8:FF3A:C88A:D00::, GigabitEthernet 1/0/0
C      203.91.121.136/29 is directly connected, GigabitEthernet 1/0/1
C      203.91.121.138/32 is directly connected, GigabitEthernet 1/0/1
B      219.243.220.0/29 [200/0] via 2001:DA8:201:FFFE::64, GigabitEthernet 1/0/0
B      219.243.220.8/29 [200/0] via 2402:F000:FFFF:6::3, GigabitEthernet 1/0/0
B      219.243.220.24/29 [200/0] via 2001:DA8:215::10:0:15:2, GigabitEthernet 1/0/0
B      219.243.220.32/29 [200/0] via 2001:DA8:21C:112::999, GigabitEthernet 1/0/0
B      219.243.220.40/29 [200/0] via 2001:DA8:204:2A01::200, GigabitEthernet 1/0/0
B      219.243.220.48/29 [200/0] via 2001:DA8:207:510E::46, GigabitEthernet 1/0/0
B      219.243.220.56/29 [200/0] via 2001:DA8:219:FF02::1, GigabitEthernet 1/0/0
B      219.243.220.64/29 [200/0] via 2001:250:4002:10::401, GigabitEthernet 1/0/0
B      219.243.220.80/29 [200/0] via 2001:DA8:FF3A:C88A:D00::, GigabitEthernet 1/0/0
B      219.243.220.96/29 [200/0] via 2001:DA8:216:F100::1, GigabitEthernet 1/0/0
B      219.243.220.104/29 [200/0] via 2001:250:209:B06::198, GigabitEthernet 1/0/0
B      219.243.220.112/29 [200/0] via 2001:250:207:A1::, GigabitEthernet 1/0/0
B      219.243.220.120/29 [200/0] via 2001:DA8:22D:F000::3, GigabitEthernet 1/0/0
B      219.243.220.128/29 [200/0] via 2001:DA8:211:A66::2, GigabitEthernet 1/0/0
B      219.243.220.136/29 [200/0] via 2001:250:212:34:300::, GigabitEthernet 1/0/0
B      219.243.220.144/29 [200/0] via 2001:DA8:20C:3000::200, GigabitEthernet 1/0/0
B      219.243.220.152/29 [200/0] via 2001:DA8:FF3A:C893:D00::1, GigabitEthernet 1/0/0
B      219.243.220.160/29 [200/0] via 2001:DA8:100D:15::2, GigabitEthernet 1/0/0
B      219.243.220.168/29 [200/0] via 2001:DA8:7007:FF::1, GigabitEthernet 1/0/0
B      219.243.220.176/29 [200/0] via 2001:DA8:244:FFFF::5, GigabitEthernet 1/0/0
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4over6 Mesh Monitor System

- Mesh MIB has been implemented on equipment
- Mesh MIB has been successfully employed by network monitor system



Next Step

- Software Milestone
 - Nov 2011 Adopt Mesh topology MIB module document as a Working Group document
 - Nov 2012 Submit Mesh topology MIB module document for Proposed Standard
- Mature and stable
 - Few editorial changes since adopted in Vancouver
- Request Working Group Last Call?