Peering with Nokia

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Intelligent Connectivity

Nokia Services

The Current Nokia Position   The Outcome

- Nokia offers services for hundreds of millions of consumers
- Some activities will be done alone, some in close co-op with operators
- Nokia offers the services globally

- Nokia is a service provider
- The traffic increases
- Consolidated service connectivity model is deployed

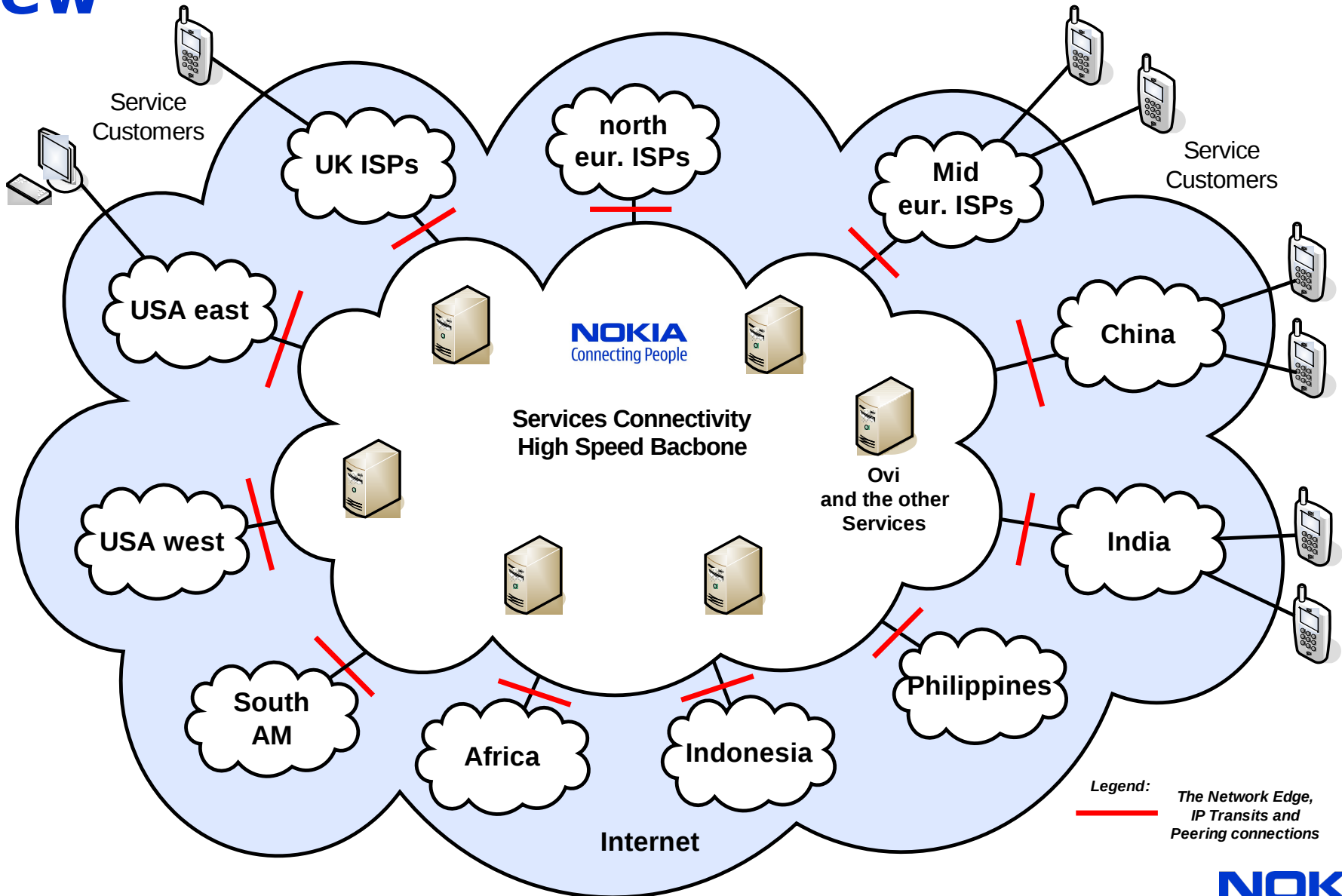# The Deployment Tool   The Reference

- The approach to control and assure the service quality and usability is to utilize technologies the ISPs use
- This is a necessary operative approach, not a strategic move

- The other service providers are doing the same
- E.g. Google, Yahoo, Microsoft…
- … and the other service providers too

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Nokia Target Network and Services View

Service Customers

UK ISPs

north eur. ISPs

Mid eur. ISPs

Service Customers

USA east

China

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Connecting People

Services Connectivity High Speed Bacbone

Ovi and the other Services

USA west

India

South AM

Africa

Indonesia

Philippines

Internet

Legend:

The Network Edge, IP Transits and Peering connections

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Peering with Nokia

- Nokia uses the known and established technologies
- Nokia does not have the access customers causing traffic towards the peers
- Targetting to better service quality for ISP's and Mobile Operator's customers
- Interconnecting the networks and establishing peering benefits both Nokia and the other service providers
- Removes/eases the bottlenecks and introduces redundancy by distributing the interconnections towards Nokia Services globally
- Peers are able to get rid of traffic towards Nokia Services immediately via closest interconnection
- Nokia brings in global internet capacity: redundant 10Gbit/s backbone
- Unified AS 1248 towards all Nokia Internet services

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Peering Policy

- Generally speaking, Nokia has open peering policy

- Nokia will peer in one or several IXPs (Multi-exit BGP)

- Nokia would like to get all traffic from peers (going to Nokia Services) into Nokia's network "as soon as possible" in order to provide and assure top quality services

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The Current Status

- Presence in the following IXPs: LINX, AMS-IX, DECIX, NYIIX, PAIX, NOTA, FICIX

- Nokia is currently taking the new service deployment model into use

- Nokia's new 10G backbone will be taken into production on 14-15.2.2008

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Questions / Discussion

Thank You!

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