

Evolution Towards IPv6

(STC High-level Plan)

Riyadh
25 October 2009

STC Task-Force on IPv6

Assessment

- Assess existing network infrastructure to plan evolution to IPv6

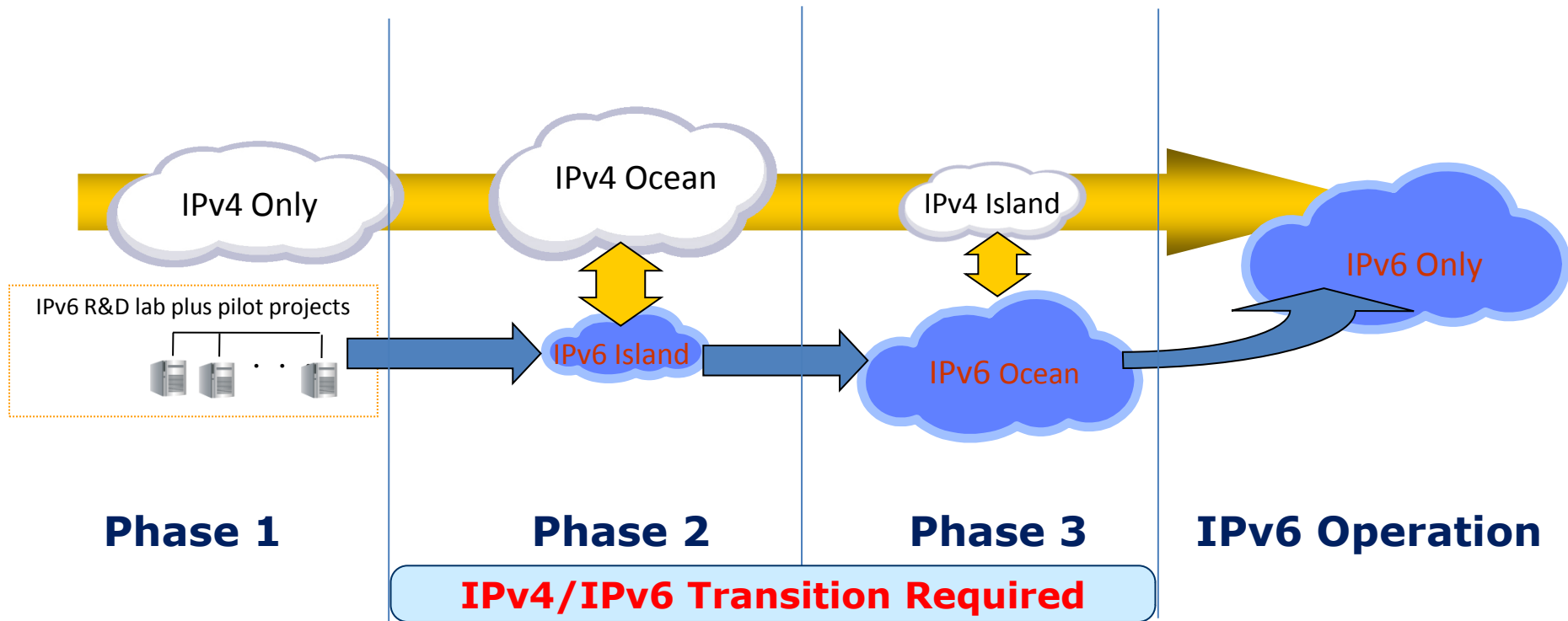
Awareness

- Raise awareness and importance of IPv6 adoption, by conducting workshops, seminars, trainings within STC

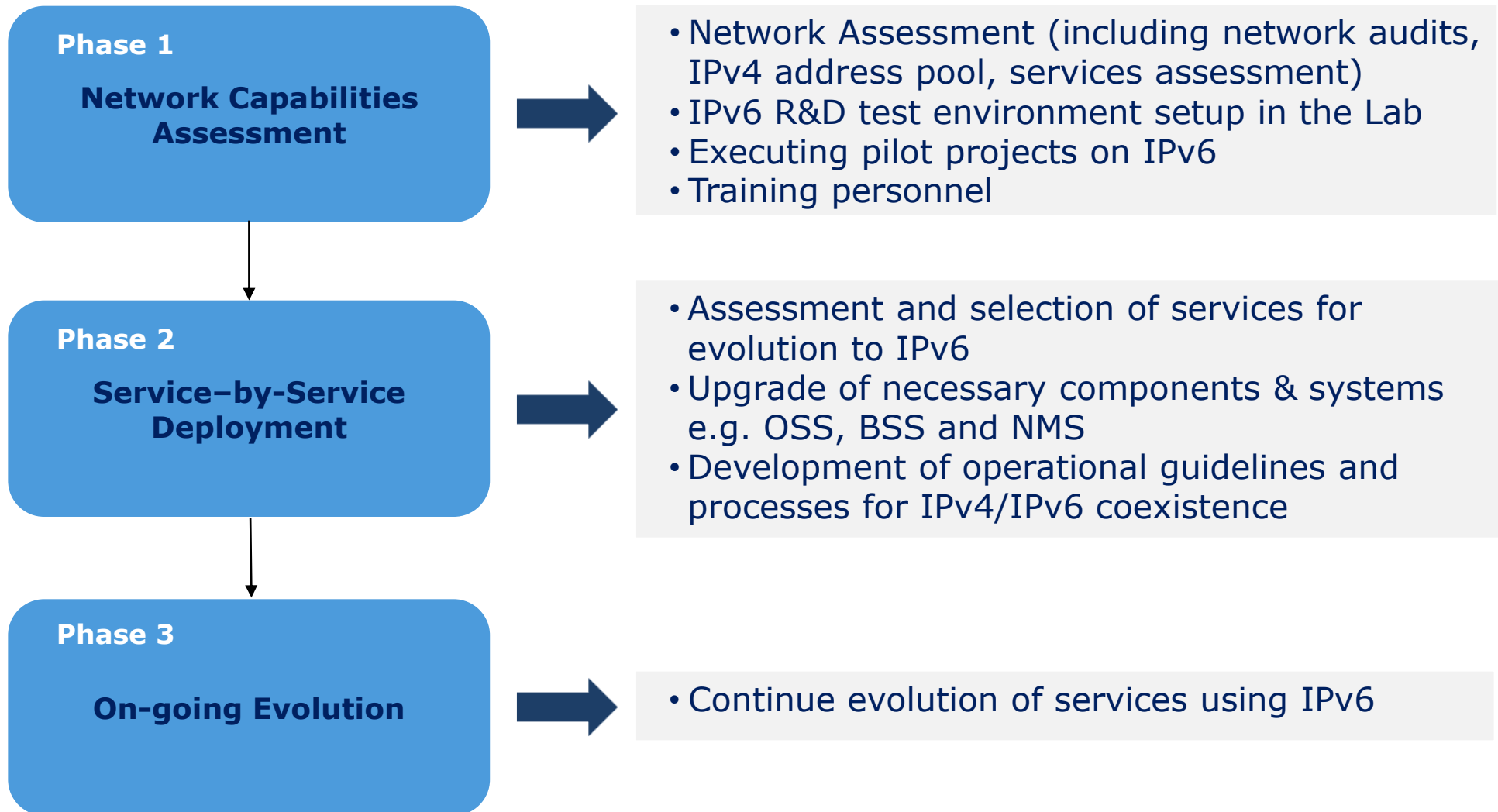
Action

- Provide a plan for STC's readiness for evolution towards IPv6 considering global trends & best practices to better serve the Kingdom's ICT progress

Evolution Plan - I



Evolution Plan - II

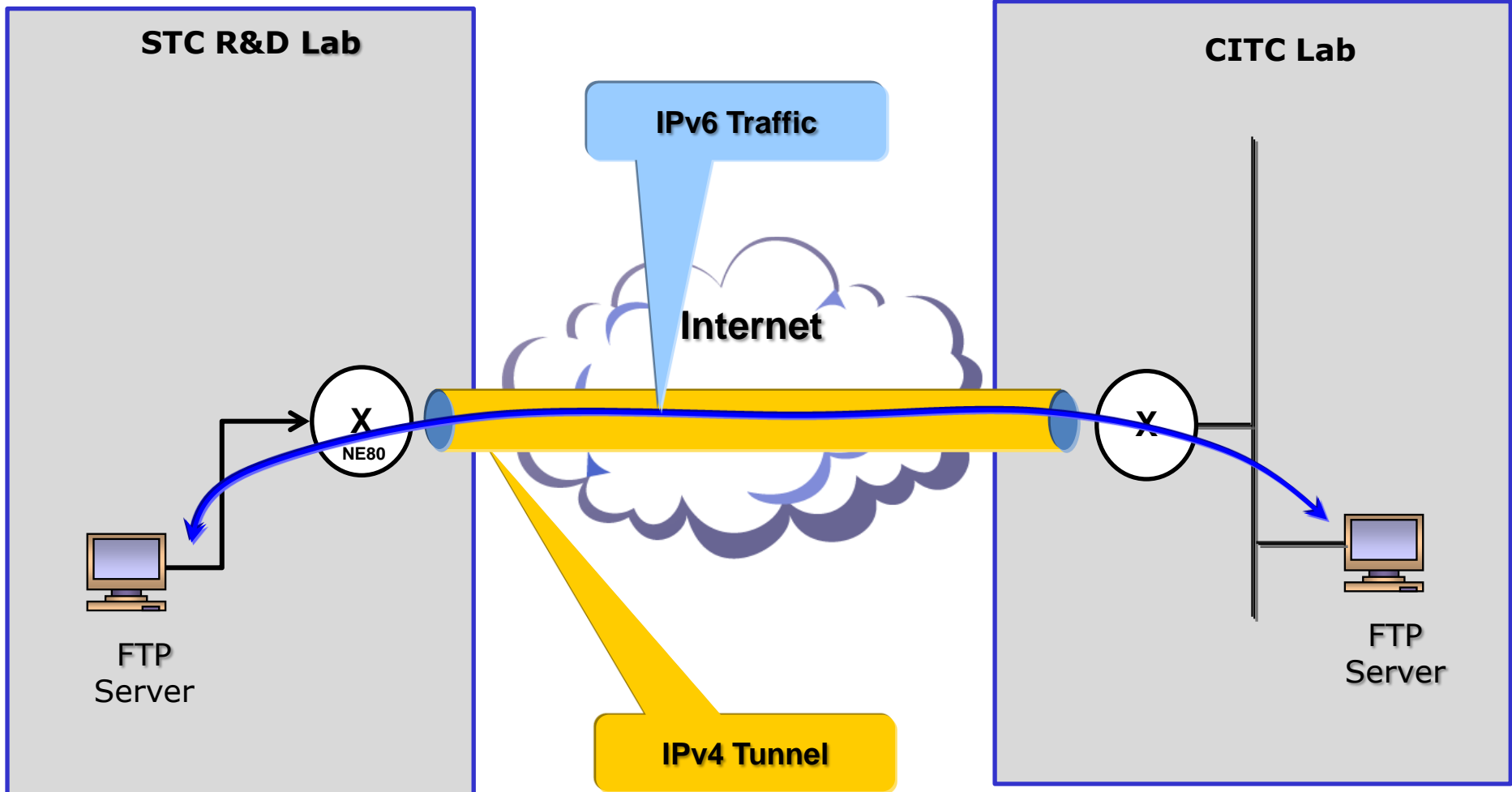


Many activities have been accomplished as part of the Task-Force work

STC Activities

- STC-R&D Lab IPv6 Connection to CITC-Lab
- Engaged vendor community on assessing infrastructure for readiness
- Conducted STC-IPv6 awareness campaign (VP's, Corporate Communication & STC-BU's)
- Successfully conducted pilot projects (e.g. National IPv6 Routing service for SaudiNet and AwalNet on live network)
- Visited NTT Japan, a leading global operator, to gain knowledge on their experiences towards IPv6

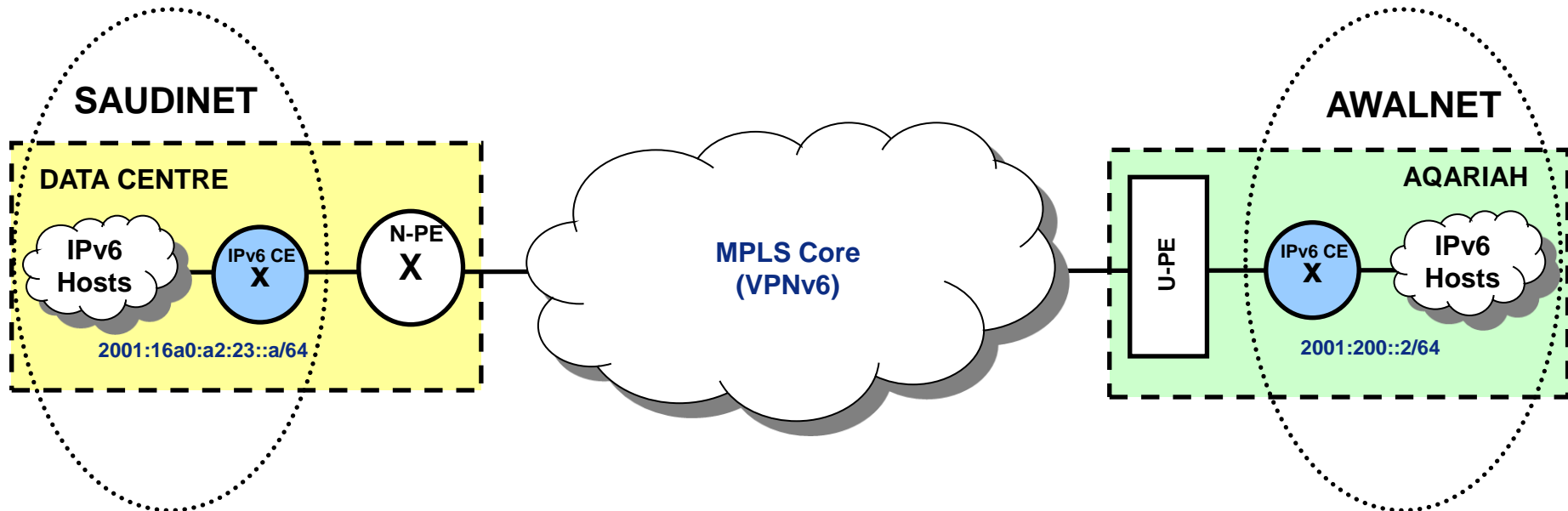
IPv6 Connection to CITC



Testing activities build experience and drive the adoption of IPv6

VPNv6 Pilot Trial

For the transport of IPv6 national routes between ISPs, a VPNv6 was setup to interconnect the Awalnet and Saudinet IPv6 CEs via the STC MPLS network



IPv6 promotion should be undertaken by all

Government Role in Promoting IPv6

- Government should play a pro-active role in stimulating market demand for IPv6 (e.g. YESSER, e-government) within public/private/military sectors.
- Government should help in identifying and enforce a set of standards so all parties can comply to. This should cover equipments for both operators and the consumers
- Provide incentives such as training, knowledge transfer and etc. to promote IPv6
- Include IPv6 requirements in all government RFPs also CITC to encourage private sector to require IPv6 enabled equipments when issuing RFPs

Concluding Remarks

- IPv4 addresses are becoming scarce and may not be available very shortly
- STC is committed to evolution of IPv4 to IPv6
- Has already started preliminary plans for evolution
- Has engaged the vendor community to promote and progress deployment

STC will fully work with CITC and other related parties to promote & progress deployment of IPv6 throughout the Kingdom

STC Invitation

- With the success of providing National IPv6 routing between AwalNet and SaudiNet, STC is inviting all ISPs, technology sectors and large corporations for their cooperation to provide IPv6 connectivity/services to their customers.
- This is an effort to help the ISPs in their activities for evolution towards IPv6

Thank you for your kind attention