

# **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

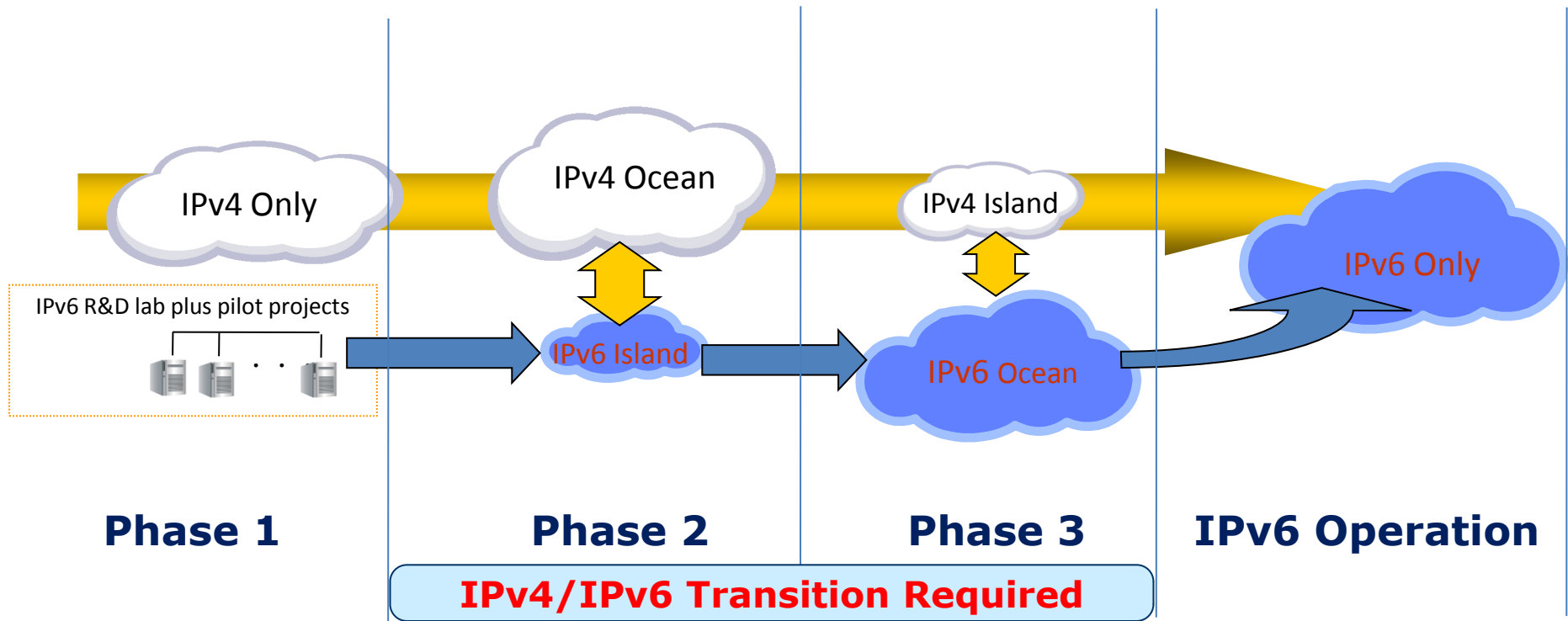
## Awareness

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

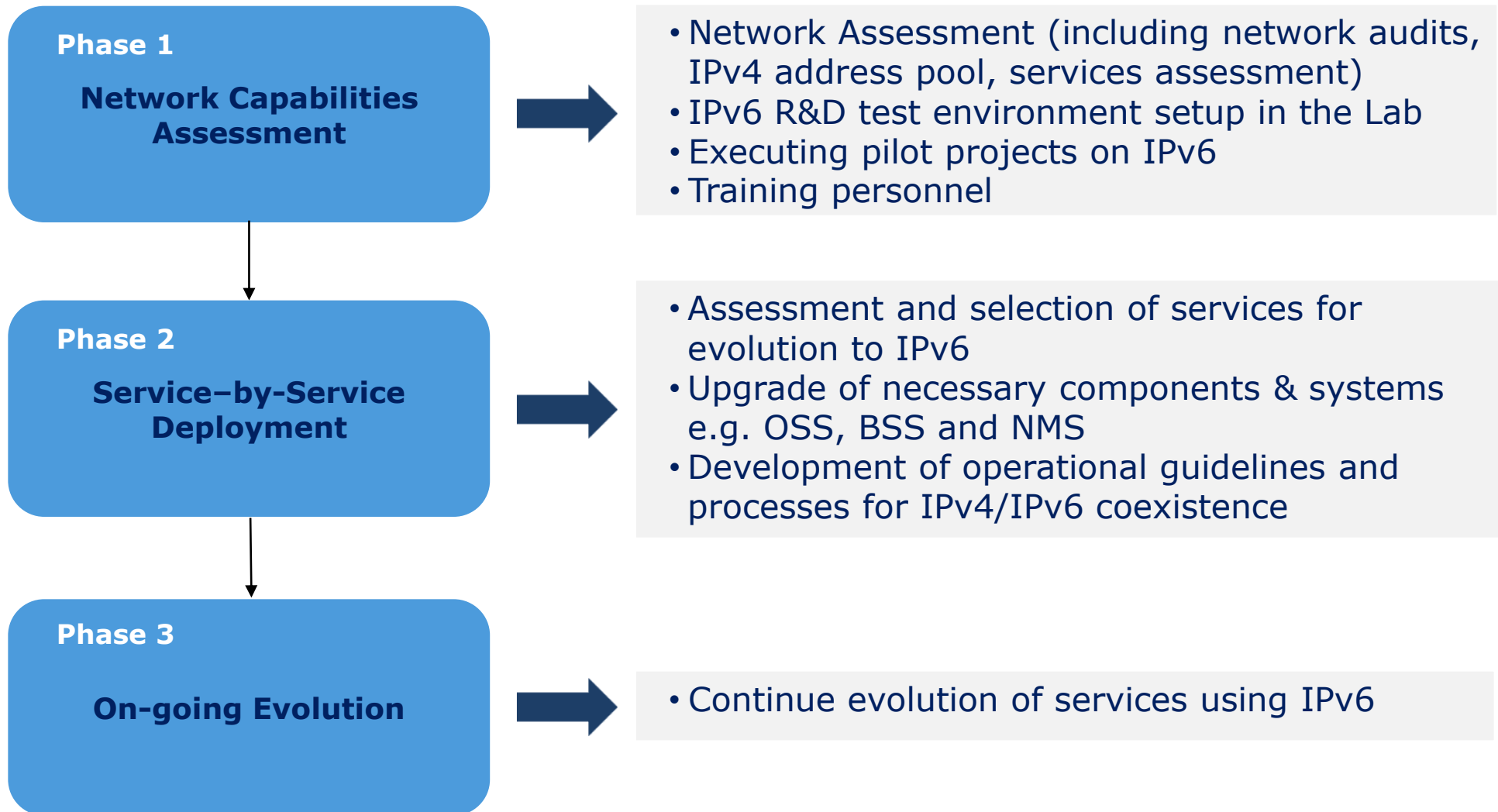
## Action

- 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

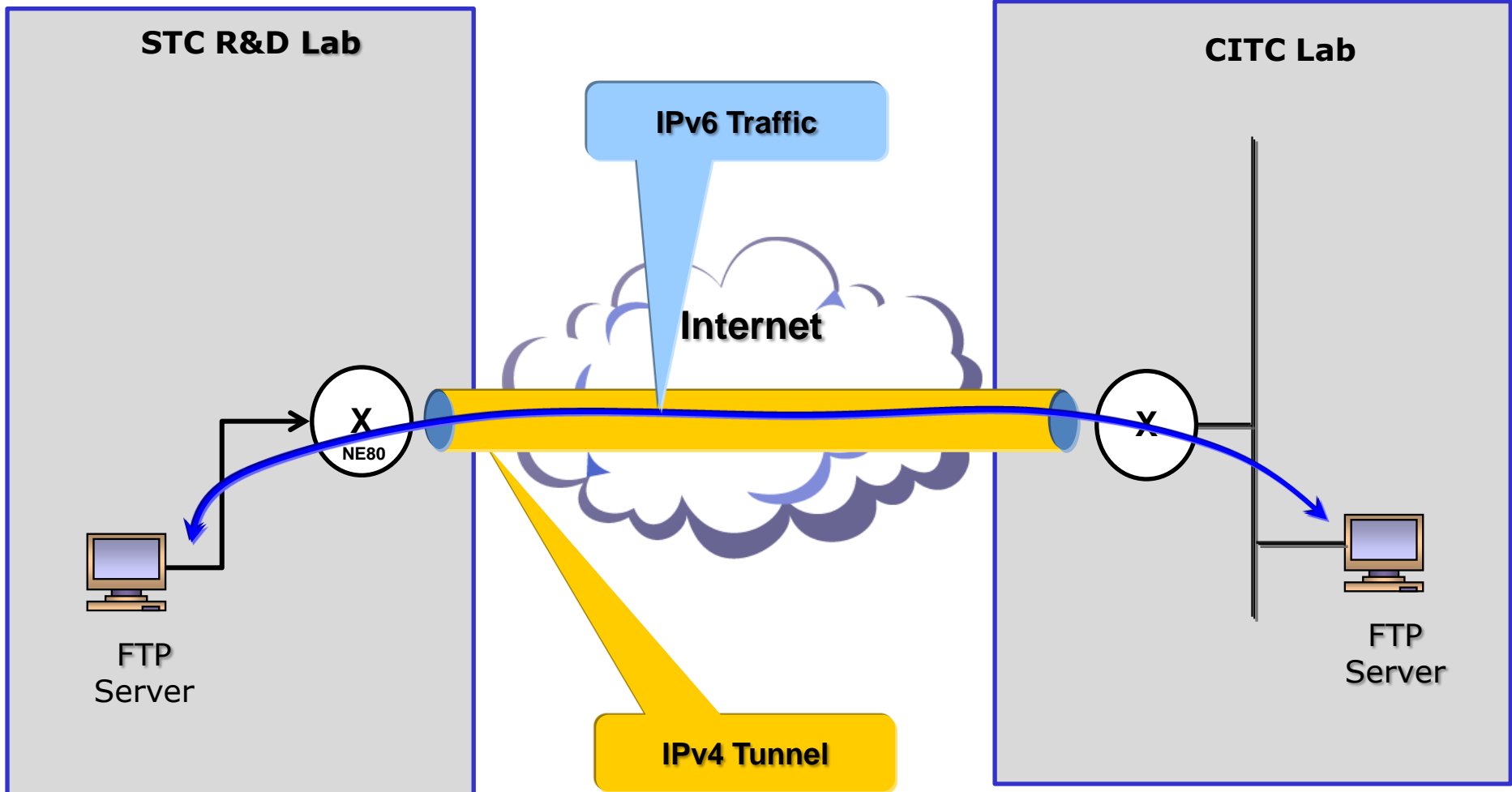


## Many activities have been accomplished as part of the Task-Force work

### 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

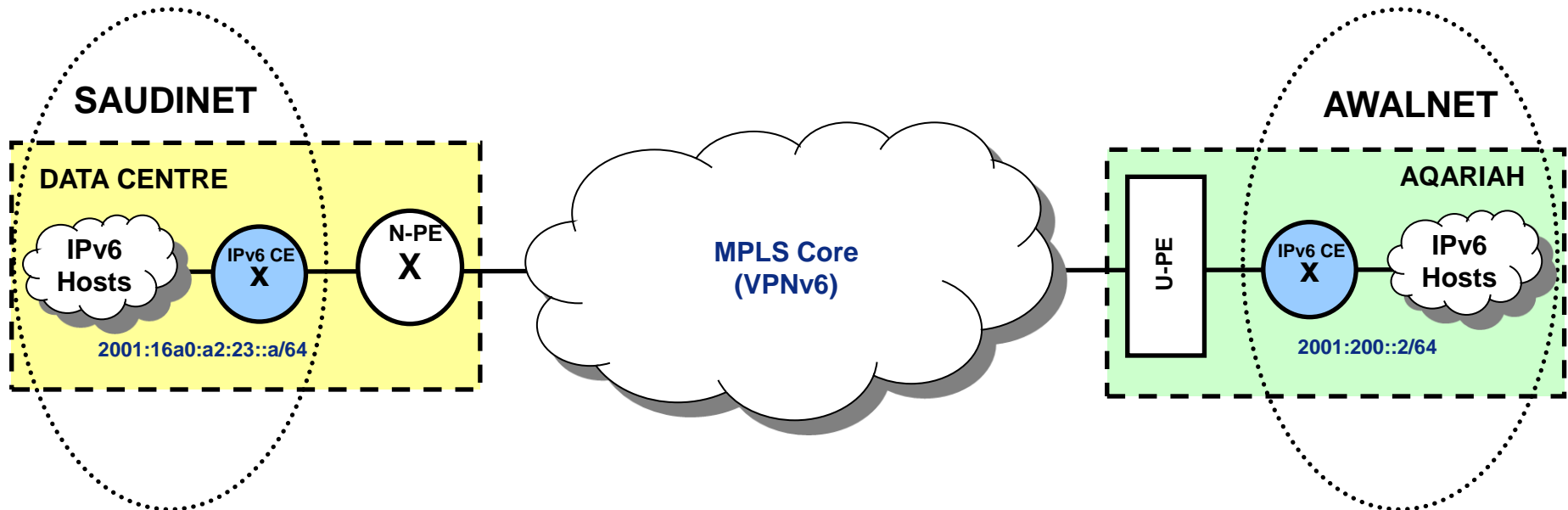
# IPv6 Connection to CITC



**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**