

Possible Broadband Deployments **Post IPv4 “Completion”**

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Work in progress

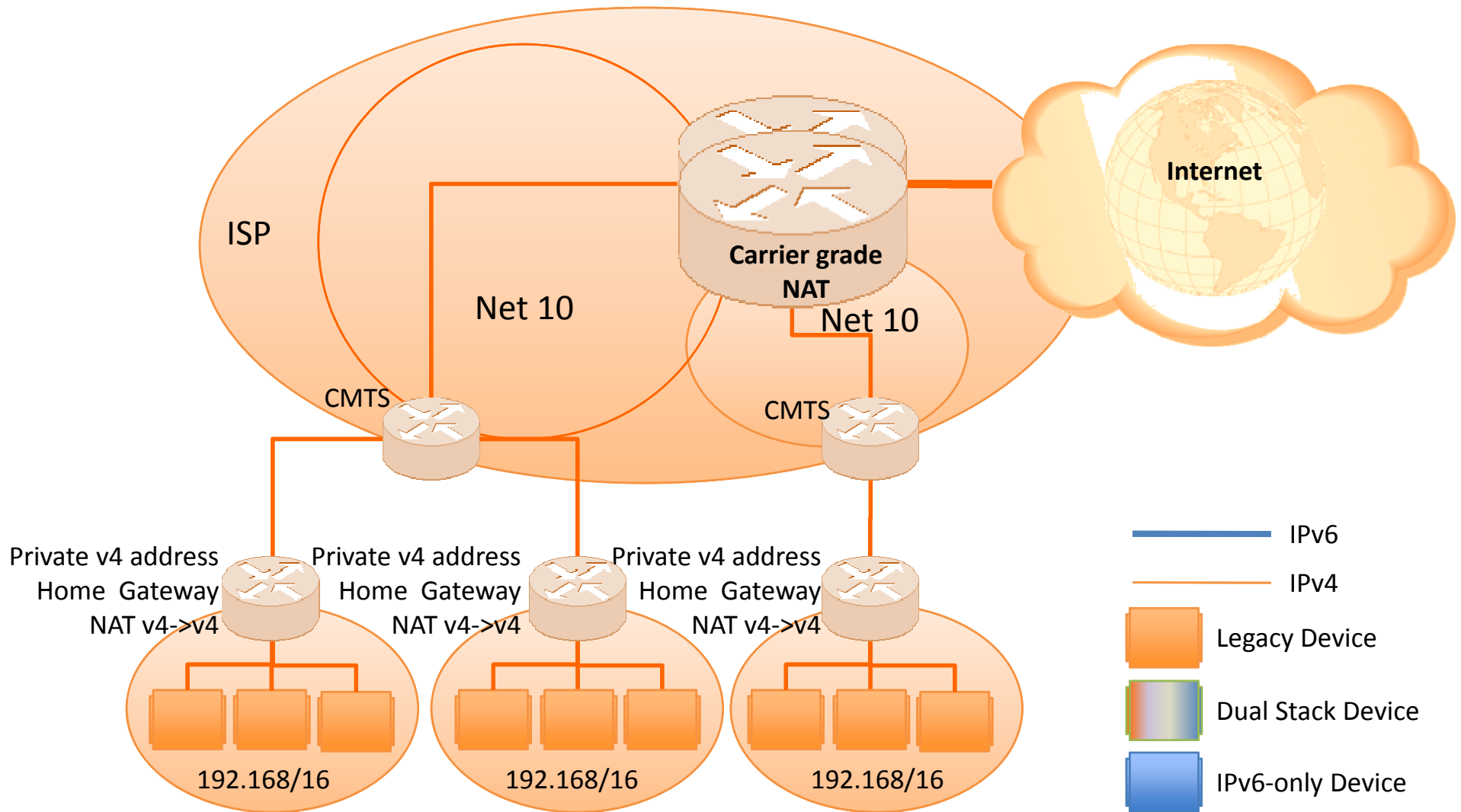
#include <std_disclaimer>

Post IPv4 Completion

- Global IPv4 addresses will no longer be available in amounts large enough to sustain current customer provisioning model.
(One global IPv4 address shared by several devices in one home)
- The “Internet” edges will still mostly be IPv4.
 - Many hosts in the home (Win 9.x, XP,...) are IPv4-only.
 - They will not function in an IPv6 only environment.
 - Few of those hosts will upgrade to Windows Vista.
 - Content servers (web, Mail,...) hosted on the Internet by many different parties will take time to upgrade to support IPv6.
- Idea: move from one global IPv4 address per broadband customer to one IPv4 address shared by many broadband customers.

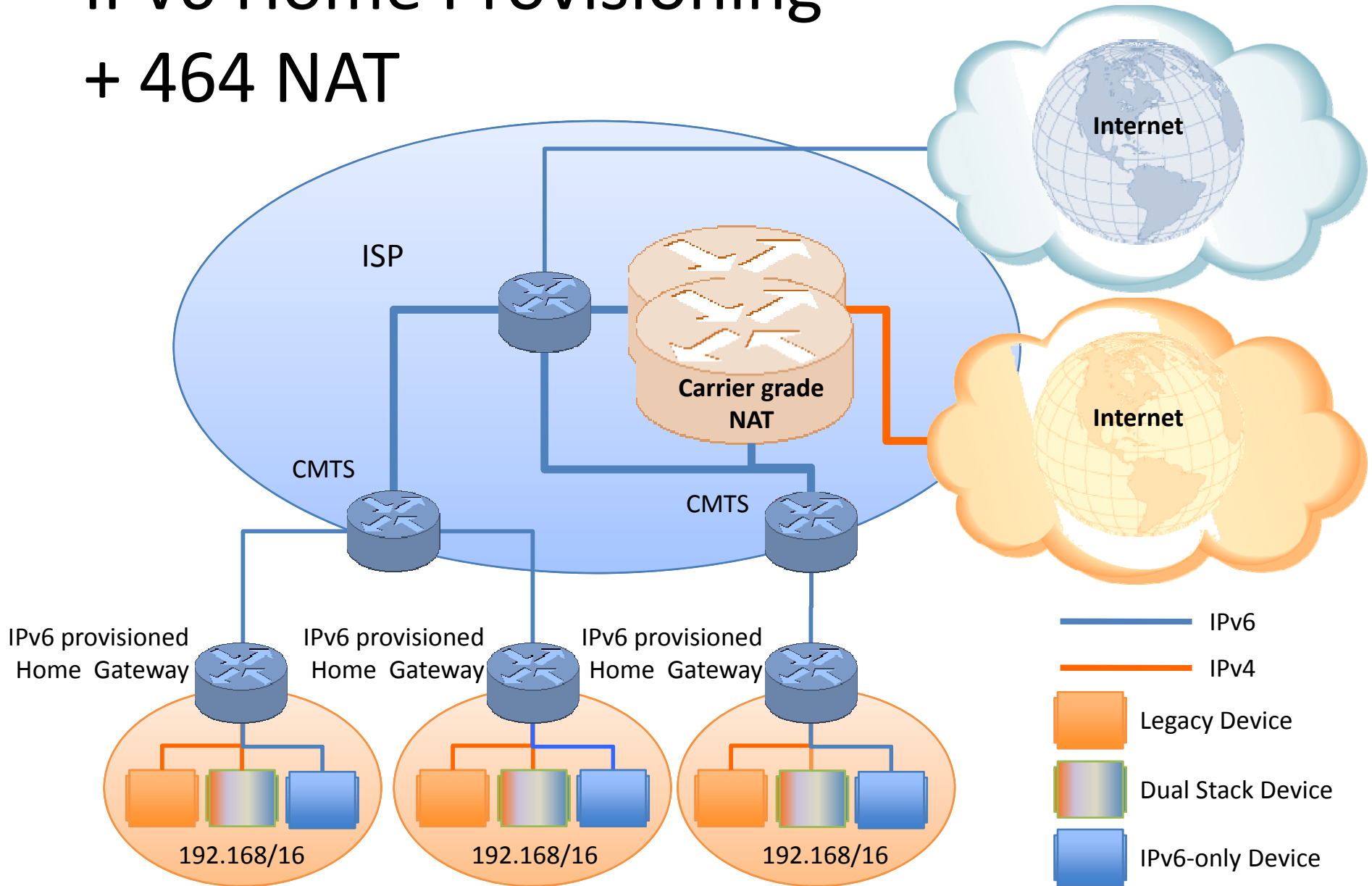
Overlay of RFC1918 Home Provisioning

Network gets increasingly complex to operate.



IPv6 Home Provisioning + 464 NAT

Simplifies network operation.
Provide an upgrade path to IPv6.



Multivendor 464NAT Demo at IETF71

