

2010 Inter Agency IPv6 Information Exchange



N A V Y



P R O J E C T O F F I C E

Navy IPv6 Transition Project Office
(NITPO)
SPAWAR Office of the Chief Engineer

SPAWAR



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Navy IPv6



• Background:

- SPAWAR designated Navy technical lead for IPv6 transition* to:
 - Coordinate transition across Navy SYSCOMs / PEOs
 - Stand up & lead Navy IPv6 Transition Project Office (NITPO)
 - Coordinate with other services & technical authorities on IPv6
 - Support Navy representation to DoD level IPv6 IPTs
 - Facilitate Navy process for IPv6 capability standards

• Overview

- Create & maintain Navy IPv6 Guidance Documents
 - Transition Plan / Technical Transition Strategy / Navy Addressing Plan
- Coordinate Navy IPv6 Policy, status, engineering guidance & T&E Reports
- Provide engineering support & representation to DoD Integrated Product Teams & Working Groups
 - Communicate with DoD & other services
- Identify risk areas to be mitigated through testing
 - Promote pilots & testing
- Support Navy Programs with IPv6 transition guidance
 - Track Navy systems & networks thru IPv6 transition
 - Key Programs / Others transition within refresh cycles / Tracking Industry



Navy IPv6



- **NITPO Initiatives**

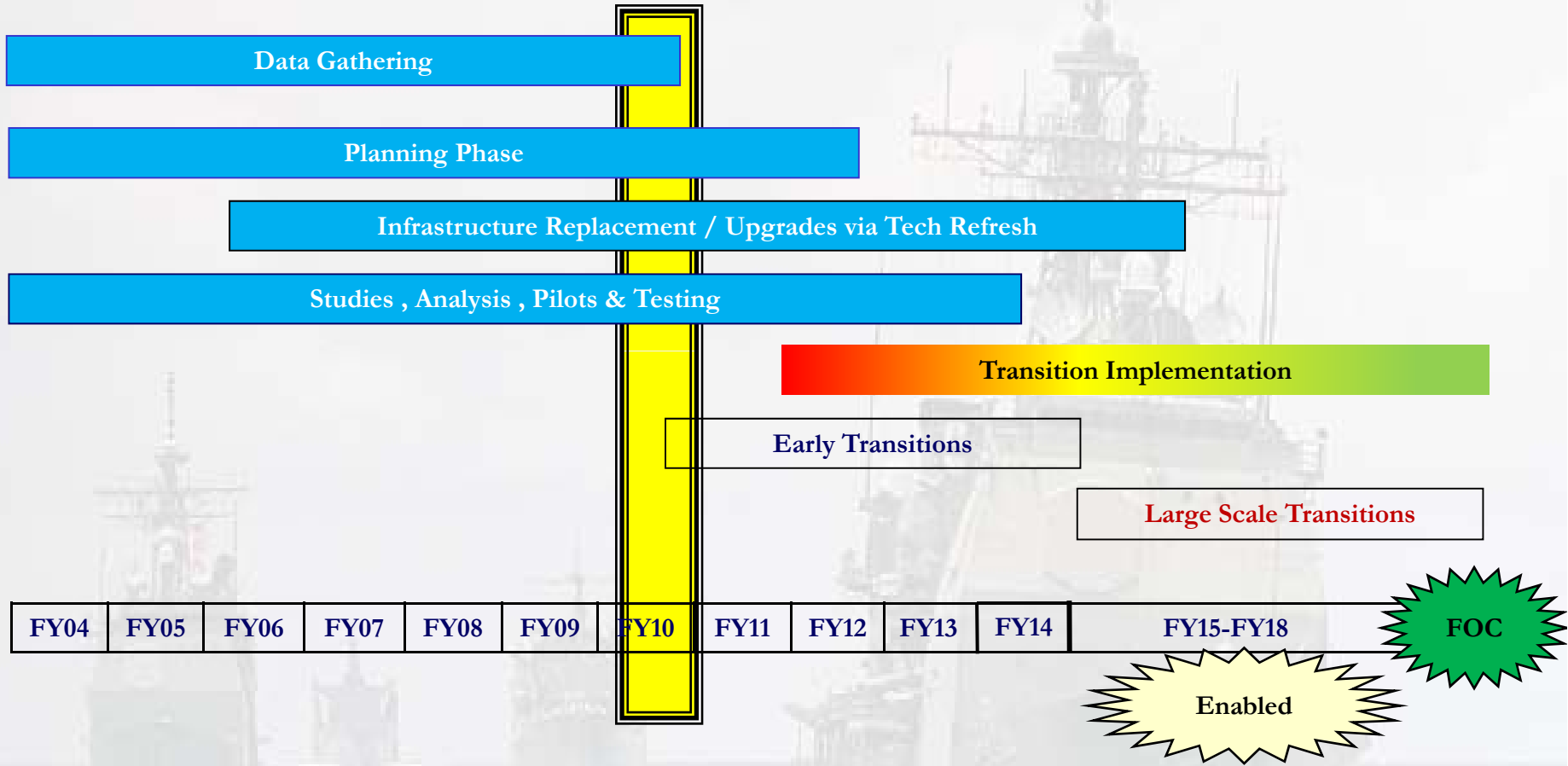
- Stood up Navy IPv6 Transition Project Office in 2004
- Established the Navy IPv6 Steering Group (NISG)
- Drafted Navy IPv6 Transition Plan Ver. 1.2
 - Next version due end of FY10
- Drafted Navy IPv6 Technical Transition Strategy V1.0
 - Next Version due end of CY2010
- Supporting JCS Criteria Testing
 - Final test reports due end of FY10
- IPv6 T&E Efforts
 - Multicast, OSPFv3 Family, white papers, etc.
 - Developed IPv6 Lab
 - Support JCS Criteria Testing (Criteria 4 & 10)
- Navy IPv6 Education & Communication
- Drafting Navy IPv6 Addressing Plan
 - Follow DoD guidance
- Coordinate IPv6 Transition efforts with other Services

• Issues

- Immaturity of certifying criteria & controls for IPv6 capable IA devices & IA-enabled systems
- Immaturity of operating systems, firewalls, IDSs/IPSs, packet-shapers, INEs , etc.
- Interoperability
- Policy & guidance
- Inadequate list of approved vendors / products
- Resourcing shortfalls for transition & risk mitigation



Navy IPv6 Transition





Questions



<https://ipv6.spawar.navy.mil>

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