Next Generation Enterprise Network-Recompete (NGEN-R)
Service Management, Integration and Transport (SMIT)
Agenda

- Enterprise Perspective
- Scope
- Schedule
- Focus Areas
  - ONE-Net convergence with NMCI
  - Network Transformation
  - Transition (converge and modernize)
  - Network Awareness/Security
All services in NGEN have been mapped to new model

DISTRIBUTION STATEMENT A. Approved for Public Release
NGEN-R
SMIT Scope

### SERVICE MANAGEMENT

<table>
<thead>
<tr>
<th>SERVICE PROVISIONING &amp; DELIVERY</th>
<th>OPERATIONS AND SUSTAINMENT</th>
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<tbody>
<tr>
<td>Service Validation and Test</td>
<td>Service Operations</td>
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<tr>
<td>Service Delivery</td>
<td>Logistics Management</td>
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<tr>
<td>Architecture Management</td>
<td>Computer Network Defense</td>
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<td>Service Design &amp; Transition</td>
<td>Infrastructure Core Build Services</td>
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<td>Systems Engineering</td>
<td>Service Desk</td>
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<td>Project Management</td>
<td>Data Center Facility Services</td>
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<td>Professional Services</td>
<td>C2 Decision Support Services</td>
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<td>Print Services</td>
<td>Customer Engagement</td>
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<td>Professional Services</td>
<td>Core Network Services</td>
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<td>Information Security Management</td>
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<td>End User Core Build Services</td>
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### SERVICE INTEGRATION

<table>
<thead>
<tr>
<th>Multi Service Provider Coordination</th>
<th>Data and System Portability</th>
<th>Knowledge Management</th>
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<tbody>
<tr>
<td>Service Interoperability</td>
<td>Service Strategy Management</td>
<td>Service Performance Management</td>
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<td>Service Lifecycle Management</td>
<td>Service Catalog Management</td>
<td>Security Engineering</td>
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<td>Demand Management</td>
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<td>Professional Services</td>
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### PRODUCTIVITY SERVICES

- Collaboration Services
- Enterprise Messaging
- Voice Services
- File Share Services
- Video Teleconferencing Services
- Social Networking Services
- Mobile Device Asset Management
- Productivity Software as a Service

Blue boxes will initially be provided by SMIT*

*- DoN intends to utilize a separate acquisition to provide Productivity Services; these services will shift from the SMI&T contract to a new TBD contract.
Service Management
- Planning and executing services and management functions needed to deliver a world-class network
- Providing mechanisms to resolve incidents, acquire new services, validate changes to services, and receive training on new offerings

Service Integration
- Integrating interdependent services across multiple service providers
- Orchestrating delivery of end-to-end services to customers
- Focal point for core IT services (e.g., enterprise Service Desk)

Transport Services
- Planning, provisioning and sustaining the physical network
- Managing and optimizing end-to-end transport
- Coordinating and integrating long haul circuits into network

SMIT to provide 32 of the 49 Services Areas throughout NGEN-R lifetime
## SMIT NGEN-R CONTRACT SCHEDULE

<table>
<thead>
<tr>
<th>MILESTONES/EVENTS</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY17</th>
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<tbody>
<tr>
<td><strong>RFP</strong></td>
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<tr>
<td>SMIT Draft RFP Released</td>
<td>• 4/20/17</td>
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<td>SMIT Final RFP Released</td>
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<td><strong>CONTRACT AWARD</strong></td>
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<td>SMIT Contract Award</td>
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**Today → End of NGEN Contract PoP 6/27/18**

Revised: 11/30/2016
Primary purpose is to operate, maintain and protect a critical operational and business network

In addition to sustaining current network services, SMIT will be the primary vehicle form delivering the following:

- OCONUS Navy Enterprise Network (ONE-Net) convergence with NMCI
- Network Transformation
- Transition (converge and modernize)
- Network Awareness/Security

List is not exclusive.
Drive OCONUS Navy Enterprise Network (ONE-Net) convergence with NMCI
Sustain OCONUS elements before, during and after convergence

**Requirement**

**Phase 1**
- CONUS
- NMCI
  - Gov’t Owned-Contractor Operated (GOCO)
- ONE-Net
  - Gov’t Owned-Gov’t Operated (GOGO)

**Phase 2**
- Execute ONE-Net Convergence with NMCI

**Phase 3**
- OCONUS
- One network
  - NMCI
    - CONUS & OCONUS
  - Gov’t Owned-Contractor Operated (GOCO)

Additional information on ONE-Net can be accessed at www.public.navy.mil/spawar/PEOEIS/NEN/ONE-Net/Pages/default.aspx
Continual strategic transformation of DON IT services, networks, and service delivery methodologies.

Expected requirements:

- Plan, validate and propose transformation deliverables based on Gov’t needs/requests
- Coordinate engineering and integration activities across multiple service providers to enable transformation deliverables
- Provide business/engineering analyses and assessments for modernization opportunities and risk reduction

Gov’t to drive network transformation in a deliberate manner

Transformation must include DoD enterprise considerations, such as JRSS and cloud-first solutions
- Limit user impacts in day-to-day operations
- Minimize blackout period for new services and ordering
- Multiple Transition efforts, to include:

### Contracts
- NGEN Contract (*HPE*)
- ONE-Net Contract (*CSRA*)
- SMIT Contract (*TBD*)

### Convergence
- NMCI (CONUS)
- ONE-Net (OCONUS)
- Other Legacy Networks
- VTC / Voice
- NMCI (CONUS & OCONUS)

### Modernization
- NMCI boundary protection & monitoring
- JRSS 2.0 Integration
- Productivity Services SaaS integration
- NMCI Infrastructure Right-sizing
Key Elements
Network Awareness/Security

- Awareness is a result of network analytics and business intelligence informing network maneuvers and enabling missions.

- **Network Awareness** (Friendly Cyberspace)
  - Infrastructure, assets and configurations
  - Protection and actual utilization
  - Service level expectations
  - Event / incident management.

- **Mission Awareness** (Operational Environment)
  - Knowledge of cyber dependencies
  - Inform, prioritize, and de-conflict mission
  - Contingencies and Network Operations and Computer Network Defense COA

- **Threat Awareness** (Adversary Cyber Operations)
  - Recognition of (potential) attacks and compromises of cyber key terrain
  - Understanding of threat actors’ objectives, capabilities, campaigns and maneuvers
Summary

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