

# 4<sup>th</sup> Estate Network Optimization

*Many Agencies, One Common Network*

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27 April 2022



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## WHO WE ARE, WHAT WE DO

# OUR MISSION

**Serve as a single network with a Single Service Provider (DISA), to enable cost efficiencies, drive service excellence and mitigate risks.**

## WHAT WE ASPIRE TO BE

# OUR VISION

- **Highly functional & scalable network with state of the art architecture**
- **Digital transformation solutions, ensuring network digital readiness**
- **Full service, customer-centric common use IT solutions**



# 4th Estate Network Optimization

**Align 4th Estate Agencies' Common Use IT**

**Strengthen cyber security**



**Innovate to single service provider for NIPR/SIPR Common Use IT**

**Enable Agencies to focus on core competencies**

## PRIMARY REFORM GOAL

**IT consolidation and cost savings to support the Warfighter**



Supports up to \$2 billion in orders over five years (no annual cap)



- Desktop computers
- EVOIP phones & equipment
- KVMs
- Laptop computers
- Monitors
- Network equipment
- Peripherals
- Servers
- Software
- VTC
- Webcam
- Zero Client

*Including:*



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## Successful adaption of innovations considerations

### Return on Investment

- **We operate in a resource-constrained environment with budgets reduced every year.**
- **Any capability added to the network cannot add costs. There needs to be a support business case, an offset of costs, or better utilization of resources.**

### Technology Maturity

- **We are a network in sustainment, with no RDT&E budget. New capabilities need to be close to operational, ready to be tested in our production environment.**
- **Technology insertion must be done through our awarded contracts with our service providers.**



## CURRENT CHALLENGES

- DATA SILOS**
- 2,500+ DATACENTERS**
- 1,000+ NETWORKS**
- 10,000+ APPS/SOFTWARE**

DIRECT-TO-ENTERPRISE OPPORTUNITIES

PATHFINDER OPPORTUNITIES

## IT REFORM ACTIVITIES

- CLOUD & DATA CENTER OPTIMIZATION**
- ENTERPRISE COLLABORATION & IT TOOLS**
- NETWORK & SERVICES OPTIMIZATION**

ENTERPRISE SOFTWARE LICENSING

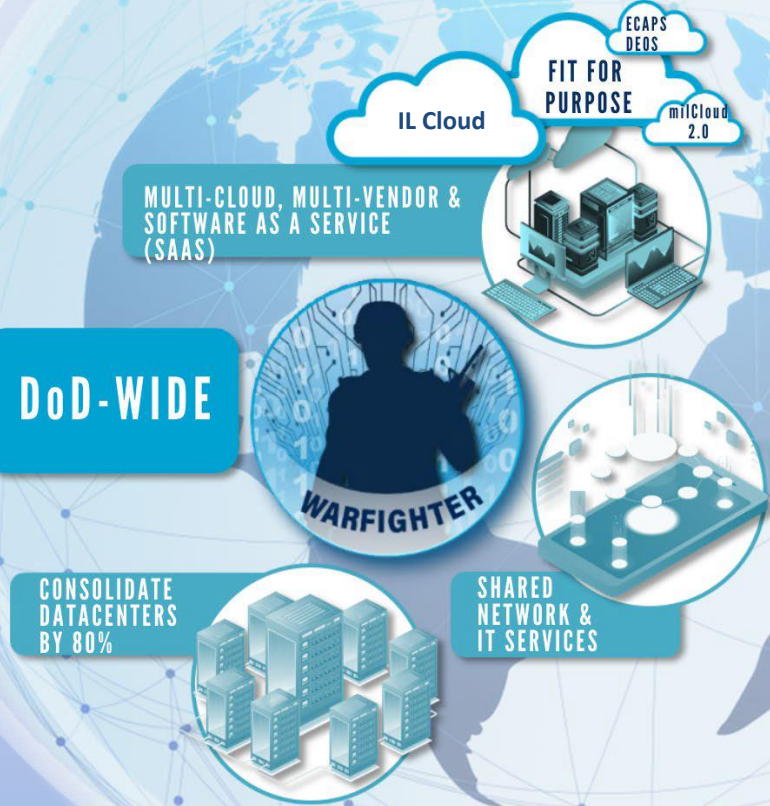
ENTERPRISE CLOUD

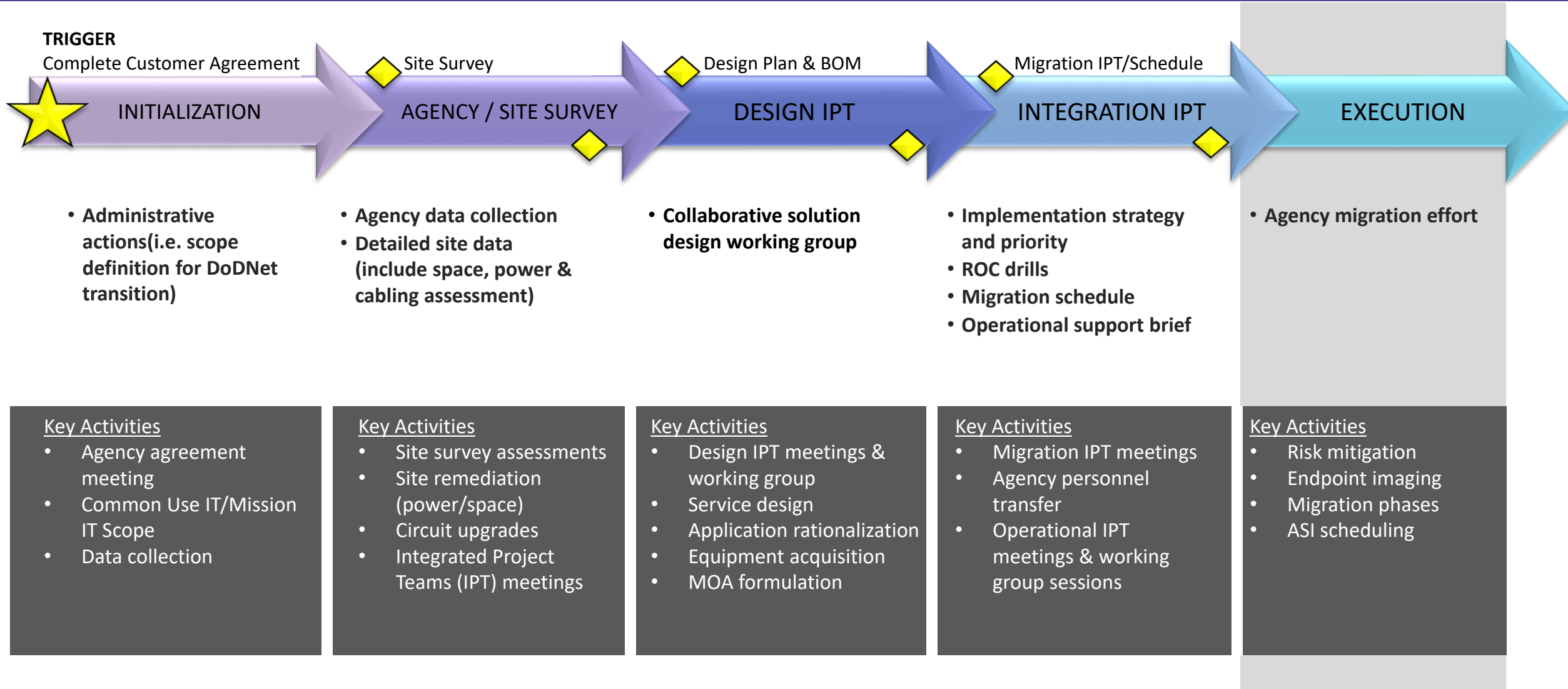
ENABLERS



ACHIEVING OUTCOMES

DoD-WIDE







# Single Service Environment Desired Outcomes

- **Improved customer experience**
  - Transparency- customer can see the status of their tickets on demand
  - Tier 0 Self service – enhanced video interactive experience with one click fixes (automation)
  - Faster restoration times
  - Transparency and informed customers
- **Cost avoidance & operational efficiencies**
  - Service support standardization
  - Customer interactions handled at lowest tier and \$\$
- **Improved IT services through adoption of industry proven good practices**
  - Align with ITIL and Defense Enterprise Service Management Framework (DESMF)
  - Implement DoD ITSM Enterprise Foundation Data Model (EFDM)
  - Process standardization: Project, Case, Request, Incident, Problem, Change
  - Repeatable outcomes
  - Ability to compare performance to industry

# Questions



**DEFENSE INFORMATION SYSTEMS AGENCY**  
The IT Combat Support Agency



# BACK UP SLIDES

The 4ENO program conducts physical site surveys at DAFA sites to gather necessary information, such as: assess cable plant compliance with industry/federal/DoD standards, LCR requirements, HVAC/power/rack space to support DoDNet standard equipment, and other infrastructure/network data to plan for DoDNet migration.

## Site Survey Report Documents



Labor/material Bill of Material estimates for remediation work on identified cable plant issues



Future power needs for DoDNet hardware



Observations on HVAC and other issues



A baseline for further analysis and DoDNet design

## STANDARDS AND REGULATIONS

- CNSSAM TEMPEST/1-13
- CNSSI No.7003 Protective Distribution Systems (PDS)
- National Electrical Code (NEC)
- National Fire Protection Association (NFPA)
- International Building Code (IBC)
- International Mechanical Code (IMC)
- Institute of Electrical and Electronics Engineers (IEEE)
- American Society for Testing and Materials (ASTM)
- American National Standards Institute (ANSI)
- DISA Facilities Engineering Standards 360-95-3
- DoDNet Requirement - SIPRNet Fiber (No Copper)

## WHY ARE WE HERE

### GOALS

Engage DAFA & DISA on the Fourth Estate Network Optimization's (4ENO's) effort to consolidate legacy common use Information Technology (IT) services under DISA as a Single-service Provider (SSP).

## HOW DO WE APPROACH THIS

### PROCESS

Introduce DAFA to the phased DoDNet migration process designed to enable a smooth migration. Capture the exit and entry criteria per the initiation, planning, execution, and close-out phases. Discuss and develop IPT and collaboration methods, processes, and population of supporting artifacts/documents.

## HERE'S WHAT'S NEXT

### WAY-AHEAD

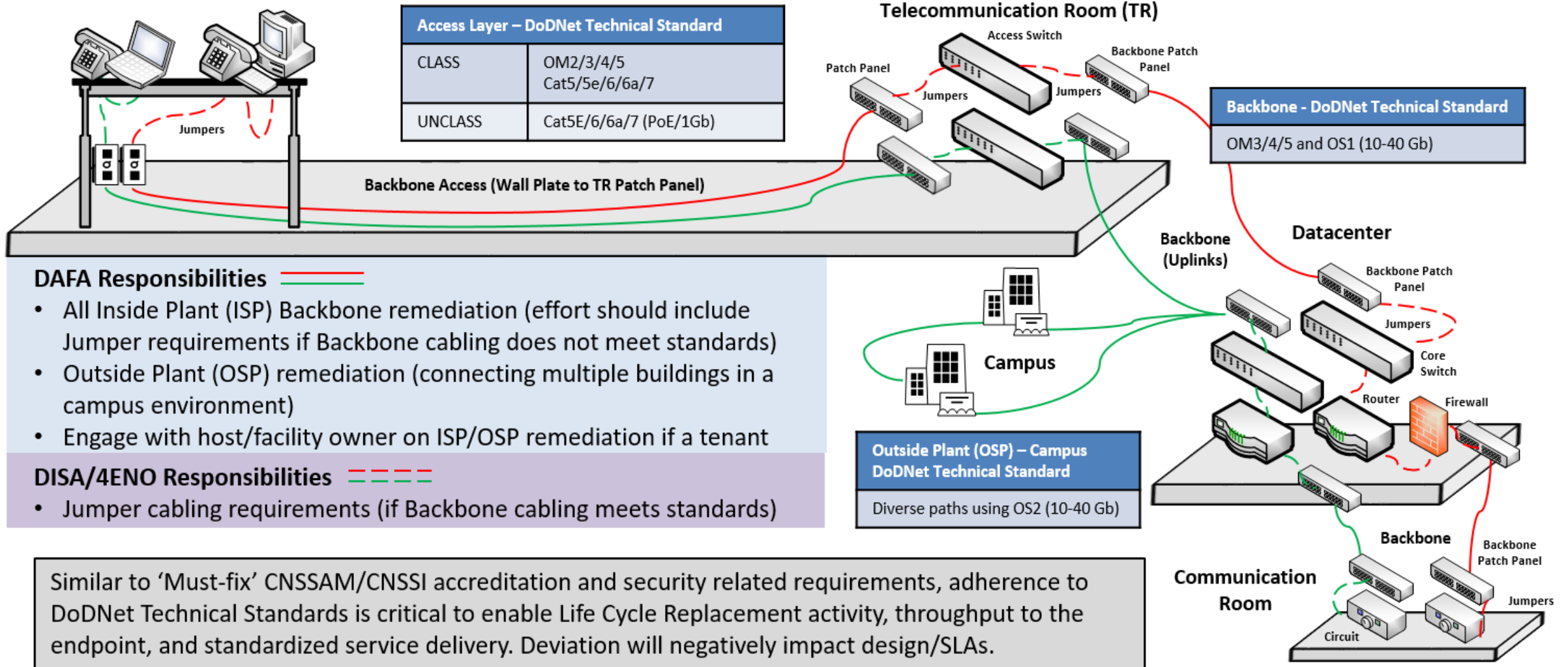
Establish IPTS, its members, and battle rhythms. Assess immediate project migration priorities and requirements. Determine schedules, milestones, WBS, and critical path.







# Cable Plant Technical Standards - 4ENO / DAFA Responsibilities



Simplified network/cable plant diagram for illustration purposes only