



**PEO**  
**DIGITAL**

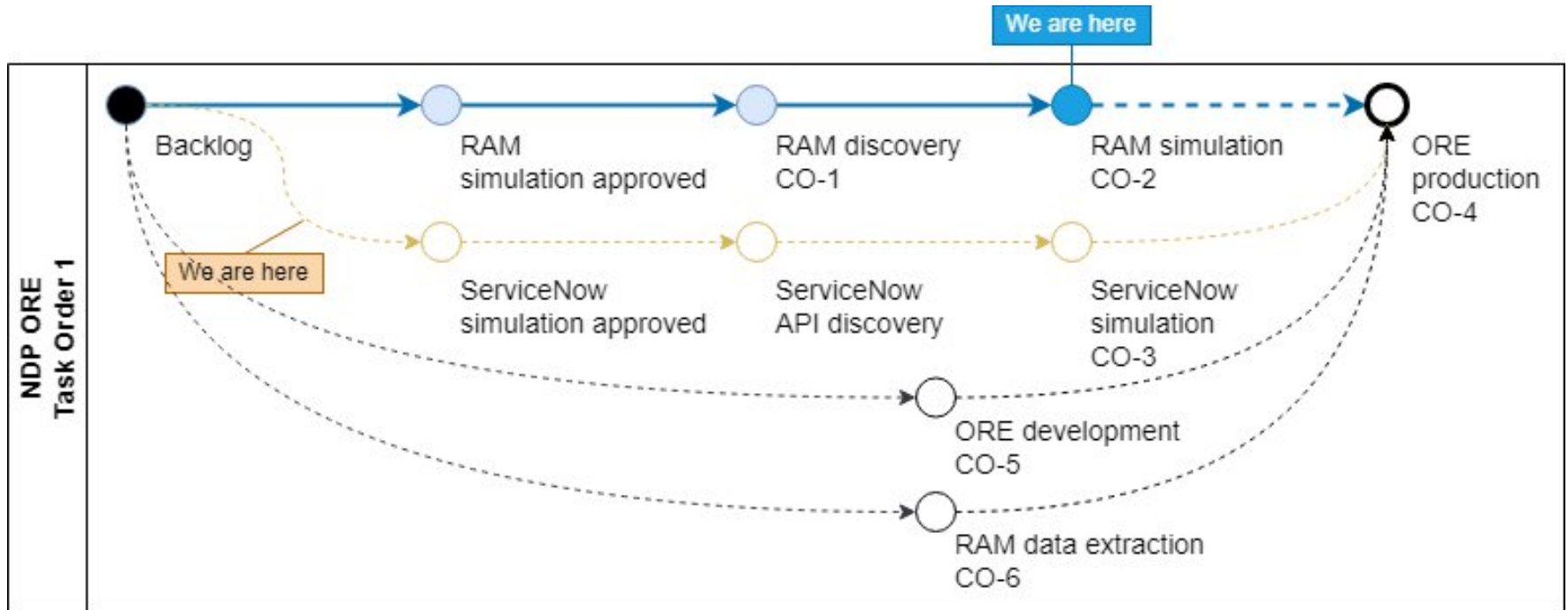
PROGRAM EXECUTIVE OFFICE DIGITAL & ENTERPRISE SERVICES

# Notional RAM Divestment Functional Allocation



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NDP ORE Team  
2 Twelve Solutions

- Proceed with decommissioning of RAM as planned
  - Re-Invent RAM capability to conduct system engineering management of documents, designs, diagrams in a proactive and self-service way through ServiceNow
  - Archive all existing RAM data in NDP ORE so that it can be the SEM data hub for visibility and control
  - Use phased approach with Gov't NDP Engineering Team focused on greenfield capability development of necessary SEM capabilities in ServiceNow, FlankSpeed, etc., and ORE Team (2 Twelve) focused on migration and archiving of existing RAM data into NDP ORE with the end-state to consume new SEM data via ServiceNow APIs



## Legend

-  Government owned (GO) activity
-  Contractor owned (CO) activity


### Backlog:

- RAM use case identified and included as #1 of 6 simulation during the NDP ORE Task Order #1
- ServiceNow use case identified and included as #6 of 6 simulation during the NDP ORE Task Order #1



### Approved:

RAM simulation receives final approval from DES CHENG, BAN/LAN/WLAN Service Owner and Project Manager

### Discovery:

-  ORE Team (2 Twelve) conducted technical exchanges w/ various RAM SME to understand status, architecture and current capabilities. Gathered documentation and data structures, metadata, file formats, what data/files to extract, all the values in the Community, Type, DocStatus dropdowns, Available categories, checkboxes, Lifecycle label, etc.


### Simulation:

-  ORE Team (2 Twelve) to implement simulation #1 that shows how RAM related assets are to be archived and disseminated using the NDP ORE.
-  ORE Team (2 Twelve) to implement simulation #6 that shows how ServiceNow data is to be archived and disseminated using the NDP ORE.



### Production:

-  Ore Team (2 Twelve) transitions CONOPS and data to production NDP core nodes



### Assumption:

-  Gov TPOC for ORE completes sponsorship for GovCloud Azure IL5 so ORE Team can deploy pre-production storage fabric and/or NDP cloud native storage on NDP core nodes is made available.

### Development:

-  Ore Team (2 Twelve) develops ServiceNow to ORE API process for publishing and archiving RAM related activities and assets from ServiceNow.
-  Ore Team (2 Twelve) to migrate existing RAM data and metadata into pre-prod NDP ORE IL5 environment.

### Assumptions:

-  Gov team has built desired engineering workflows and check-in/checkout features, etc. (RAM capabilities) in ServiceNow environment.
-  Gov team develops and publishes ServiceNow APIs for consumption by NDP ORE. **(This assumes Government desires to maintain data Neutrality of key configuration and content and independence of controlling data on Navy controlled platform on Navy Storage in the NDP core node)**

RAM has no API access and the ability to download / export / run report on data from within the web UI does not include context necessary to retrieve all necessary information.

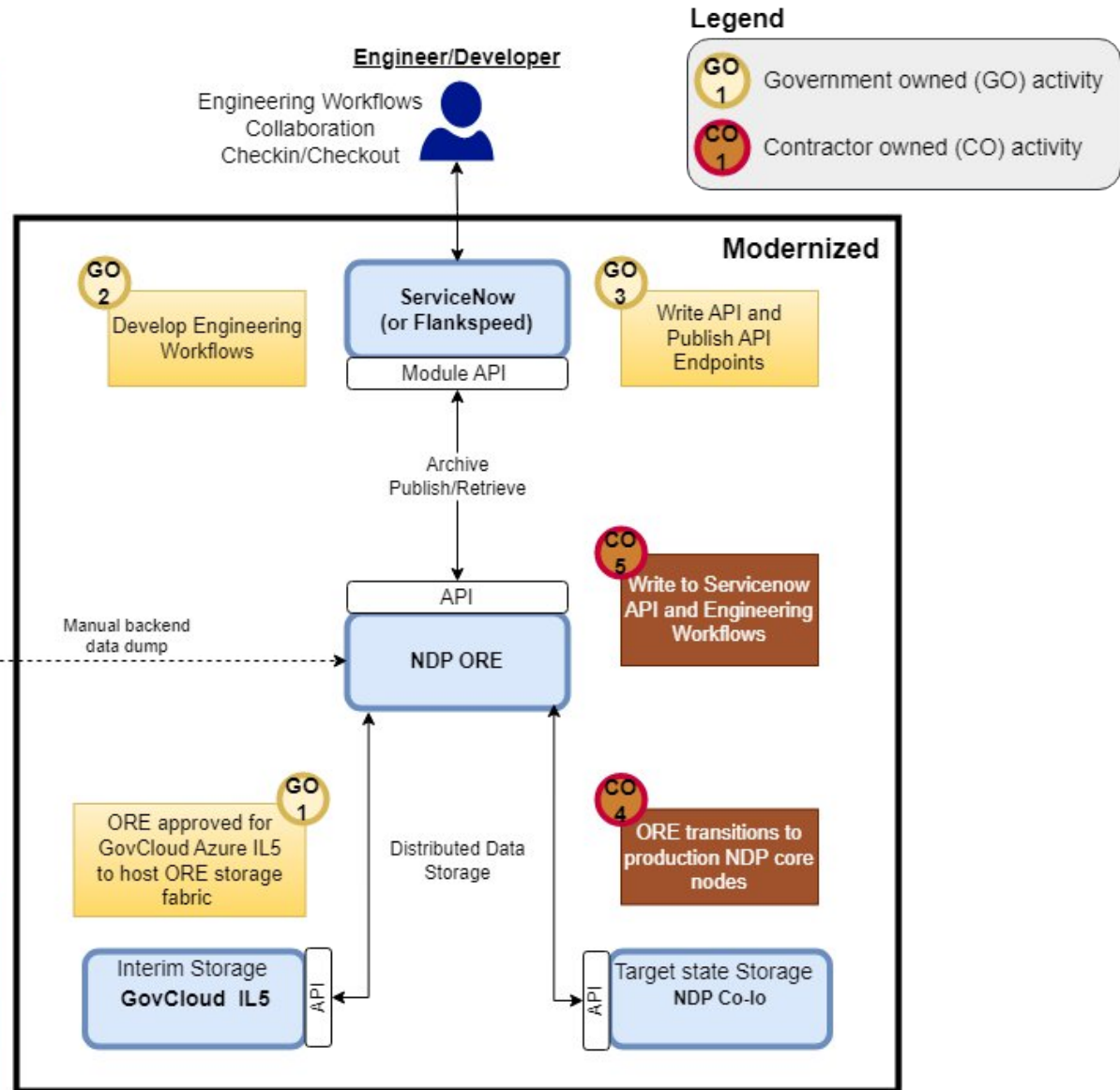
Backend data dump process will be needed to export required data and ETL will need to be applied to correlate, normalize and import into NDP ORE

**CO 6**  
EXTRACT  
CAD (.dwg)  
Documentation (pdf)  
Code

**Rational Asset  
Manager**



GOV has no permissions in RAM to add records and expose various attributes. Only select personnel from service provider can. Much of engineering workflows, collaboration, checkin/checkout capabilities is managed in HPSM and carried out manually by service provider



- Proceed with decommissioning of RAM as planned
  - Re-Invent RAM capability to conduct system engineering management of documents, designs, diagrams in a proactive and self-service way through ServiceNow
  - If Government Owned activities GO-1, GO-2, GO-3 are not feasible, ORE Team will substitute NDP ServiceNow instance with like for like commercially available ServiceNow module instance to complete simulation.
  - If Government can not provide existing data in the RAM for upload to support divestment strategy, ORE Team will identify like data formats DWG, PDF and complete RAM simulation upload in ORE.

— BACK-UP —



- **Source Code Repository** — Used primarily during the development phase. Modern source code repos are Distributed Version Control Systems
- **Artifact Repository** — Used during the development and operations phases. It is a database for storing binaries. Additionally, test data and libraries can be stored on it as well.
- **Configuration Management Database** — Used during the development and operations phases.
- **Secrets Repository** – Security related certificates and tokens are stored in a repository where they are forwarded on behalf of the user/computer to authorize and authenticate
- **Content management** – Centralized, with policy enforcement based on the needs of the individual files, A modern document repository also leverages APIs to share partial or full access to various systems, which allows documents to be consumed

Authoritative single source of truth  
Acts as the enterprise IT DNA



Repositories enable the distribution of  
knowledge and peer  
review/supervision





## Phase 1: (Task Order 1)

- **Integration:** Connecting Enterprise IT Solutions
- **Synchronization:** Syncing Asynchronously Relevant Data
- **Operation:** Verifying Validity

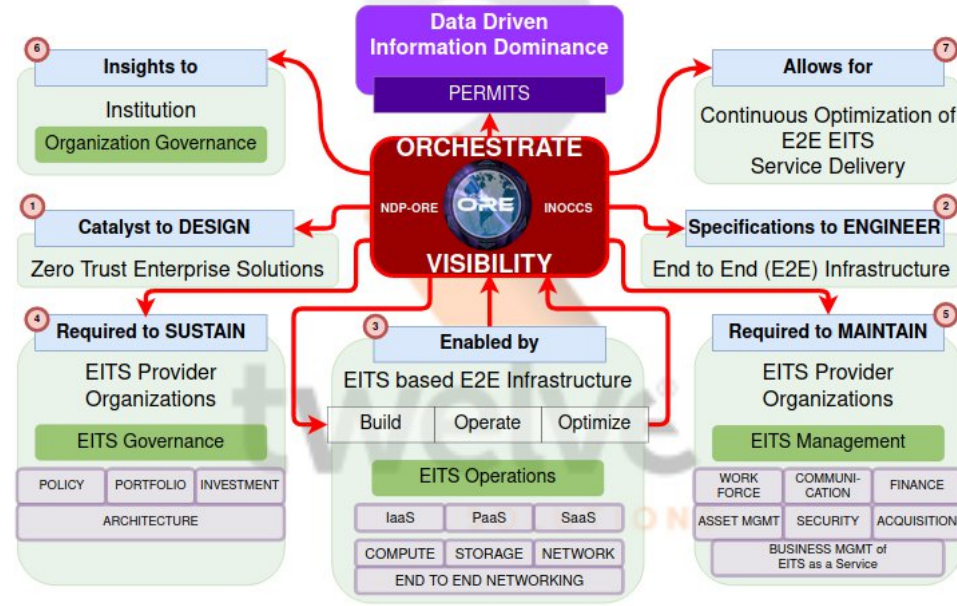
## Phase 2:

- **Utilization:** Leveraging Work Products
- **Contribution:** Sharing Transparently
- **Democratization:** Collaborating for Transformation

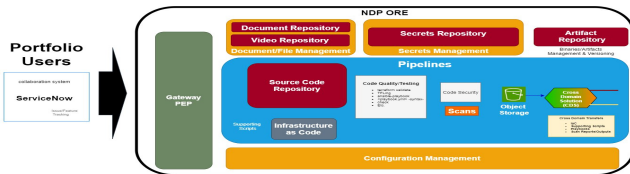
## Phase 3 (During Phases 1 & 2):

- **Supervision:** Providing Relevant Information to Stakeholders
- **Iteration:** Ingesting New Data, Analyzing and Delivering Insights
- **Optimization:** Calculating effectiveness and efficiency for the establishment, evaluation & elimination of functional roles, processes, and technologies

## Governance Guidance Oversight Feed Back Loop



## People (IT Workforce) Maturity



## Process Maturity

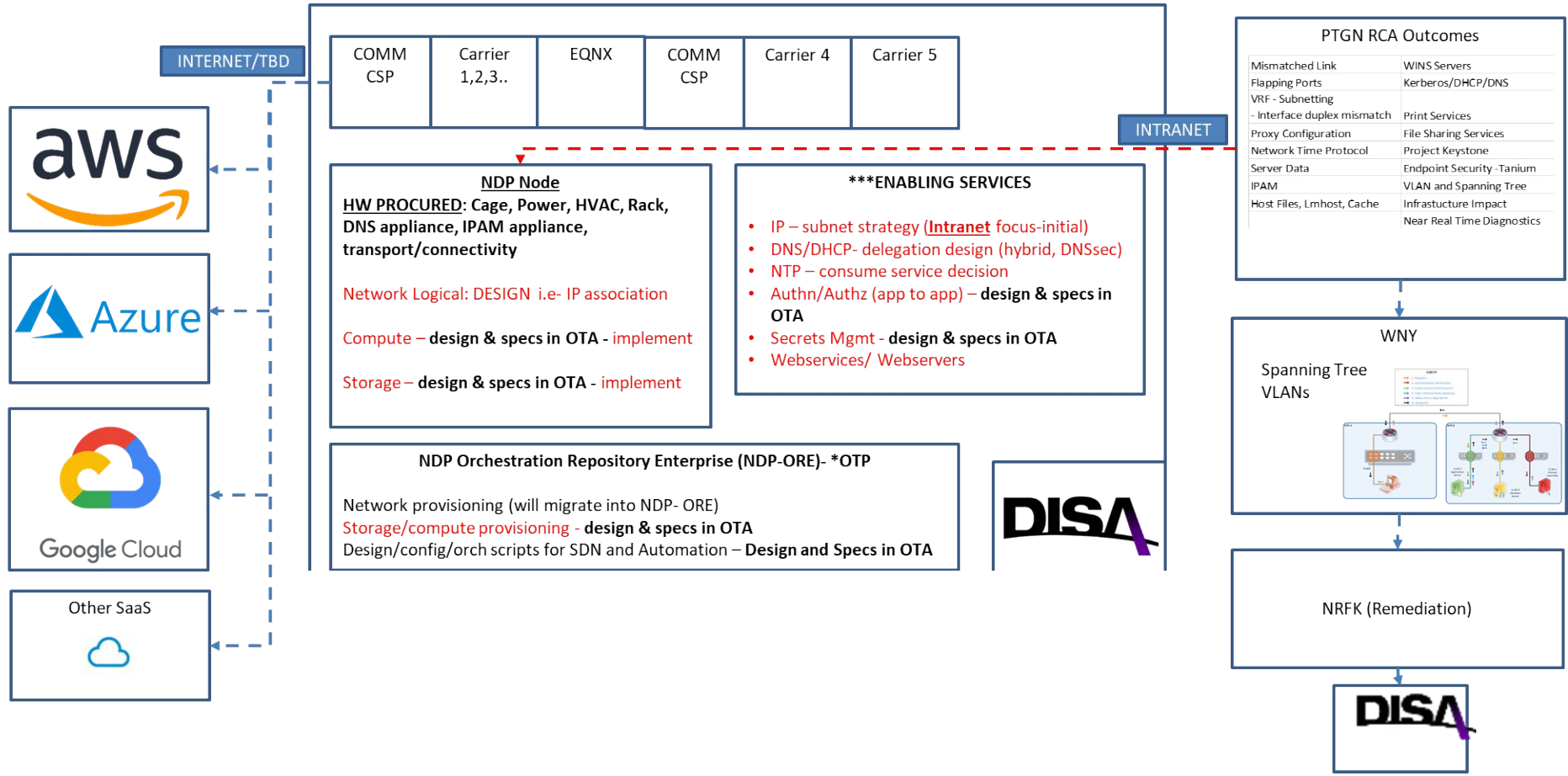


## Technology Maturity

	CLOUD MATURITY THRESHOLDS/SPECS			
	INTOLERANT	TOLERANT	READY	NATIVE
POWER				
COMPUTE				
NETWORKING				
STORAGE				
APPLICATION				

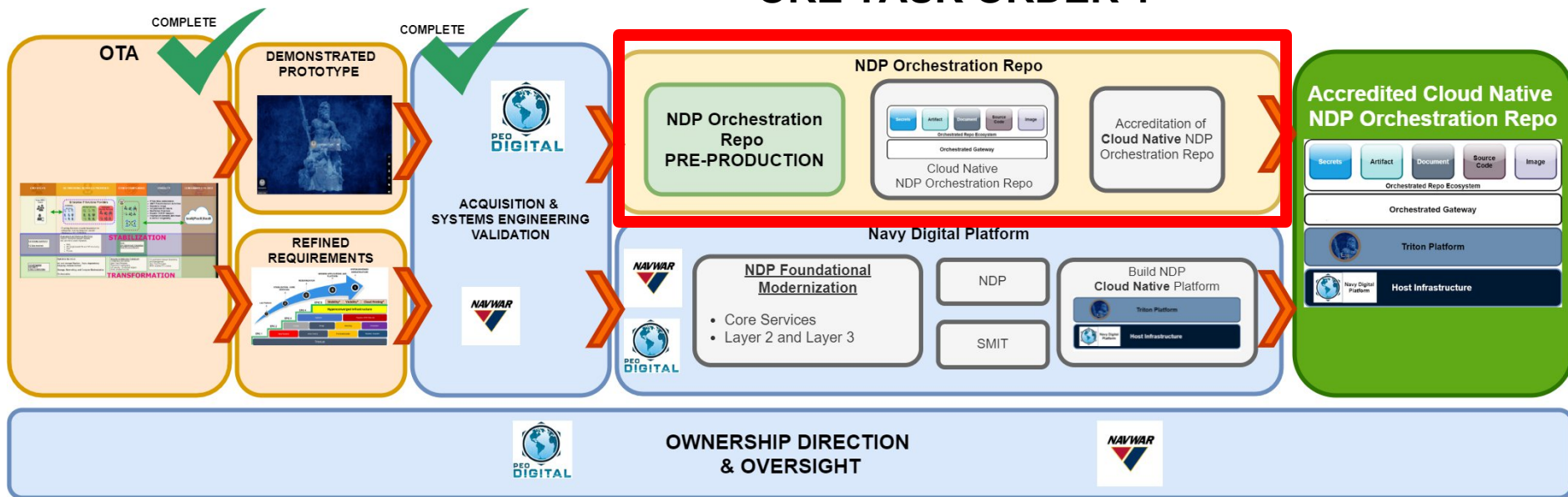
API Driven Infrastructure at all layers of the IT Stack

ORE Pipelines enable the IT Lifecycle



The ORE will depend on NDP for the core enabling services as well as cloud native storage, compute, networking provided by the NDP teams.

## ORE TASK ORDER 1



### Assumptions

- Specs provided in the prototype for the core enabling services, as well as storage, compute, networking in cloud native states are under development by other NDP teams.
- Templates of functional code will be stored in the ORE once completed.