

NAVAIR Connects Disparate Technical Data

Status: Pending Implementation

PROBLEM / OBJECTIVE

NAVAIR is responsible for the full lifecycle management of the weapon systems fielded in support of all Naval Aviation Assets. This project focuses on the in-service sustainment period need for engineering support activities; specifically, the ad hoc need for engineering support for depot and provisioning services. Naval Air Depots utilize an internal Request for Engineering Investigation (REI) tickets to elicit engineering support. Defense Logistics Agency (DLA) utilizes an external form called the 339 – Request for Engineering Support (RES). Both internal REIs and external RES categories of REIs often kickoff a series of actions to locate the pertinent technical data required by an engineer to disposition the request. The Technical Data Integration and Search project focused on reducing the non-value added time of manually searching to locate and provide this technical data to an engineer

The Technical Data Integration and Search project indexed multiple disparate databases and provided a single portal through which a user can perform a search for technical data. Once the search is completed, the user initiates a workflow that collects the files and metadata from the multiple databases, converts the CAD models to a validated neutral format (if necessary), package the information into one file, and sends the package to an appropriate recipient.

ACCOMPLISHMENTS / PAYOFF

Process Improvement:

The Technical Data Integration and Search project developed the architecture to reduce the time to search and collect required engineering information across multiple systems, reduced potential errors and time required to package and distribute the technical data, and increase throughput of engineering requests, which leads to higher platform availability.

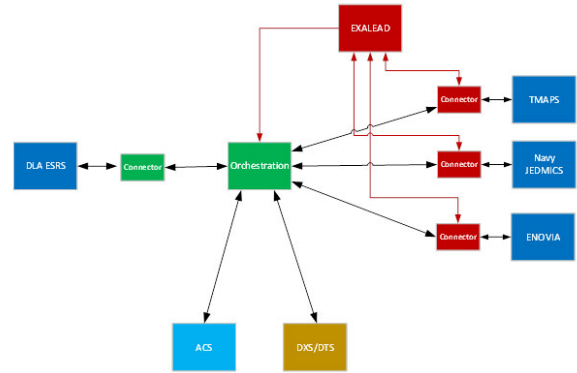
Implementation and Technology Transfer:

This project was a twelve-month effort with full implementation projected second quarter fiscal year 2021.

Expected Benefits and Warfighter Impact:

The Technical Data Integration and Search Project will provide an estimated savings of \$5.07M annually.

- Reduces labor hours associated to locating data for DLA 339 and NAVAIR REI's by 34%



Courtesy of NAVAIR

NAVAIR connects multiple systems to create a single portal to search for technical data

- Reduces labor hours associated to packaging and deliver data for DLA 339 and NAVAIR REI's by 23%

TIME LINE / MILESTONES

Start Date: Nov 2018
End Date: Nov 2019

FUNDING

Current Navy ManTech Investment: \$652K

PARTICIPANTS

ONR Navy ManTech
Naval Shipbuilding and Advanced Manufacturing Center
NAVAIR 4.1.9
ANARK
DS Government Solutions Corp.
ITI International TechneGroup
Razorleaf Government Solutions