

Executive Summary

The Technology eXchange Clearinghouse (TXC) is being deployed at the Space and Naval Warfare Center (SPAWAR), San Diego through sponsorship by the Department of the Navy's eBusiness Operations Office in Mechanicsburg, PA.

The TXC is an eBusiness solution for the early identification and integration of technologies of interest into DON's Programs of Record and technology oriented efforts (i.e., FORCEnet).

TXC was designed to:

- Present technology information in common formats and location, rather than multiple repositories with varying degree of accuracy and descriptive content.
- Provide technology users an intuitive method to search by capability and functionality descriptions.

The benefits of TXC are:

Speed to deployment... TXC reduces the overall time to collect technology information, review information, and match technologies to capability requirements.

Better decisions through "instant trade studies"...the ability to perform trade studies literally at the push of a button.

Cost savings through competition...technology offerings can be shopped for the best capability values.

Comprehensive and timely information...technology developers have a vested interest in maintaining their data records.

Bottom line:

TXC represents a major change in the process of identification, assessment, and transition of technologies of interest to the Department of the Navy. TXC's Return on Investment (ROI) reflects a major paradigm shift in that process, in operational costs and efficiencies...

- SPAWAR Chief Technology Office (Oct 2002) study found the cost of the manual technology information collection and assessment was \$630 per record.
- TXC Phase One (February 2004) will be less than \$60 per record (10:1 ROI).
- Out year costs will drop to less than \$6 per record with 90% of costs carried by the customer-base (100:1 ROI).

Biographical Information on the Author

Dr. Roberts has a diverse educational from an undergraduate in anthropology and background in chemistry, to graduate degrees in public administration and information science, with an emphasis in computer graphics.

The author has over nineteen years of experience in computer systems development, from the Head of Advanced Information Systems at the Naval Air Rework Facility, San Diego to his current position as program manager of the Technology eXchange Clearinghouse (TXC).

Prior experience of the author include the design, development, and deployment of the following current operational Navy systems:

- SPAWAR Knowledge Center (SKC)... 8,000+ users
- Virtual Program Office (VPO)... 18,000+ users world-wide
- SPAWAR Business Opportunity Page (BOP)... 2,000+ vendors for SPAWAR contract bid and solicitation
- SPAWAR 1556 Training System... 2,500+ SPAWAR personnel