

NSRP | National Shipbuilding Research Program

Paradigm for Optical Networks -Project Status

March 9, 2017
Charleston SC



DISTRIBUTION : Approved for public release.

CABLE WEIGHT, COMPLEXITY, INSTALLATION, MAINTENANCE

Independent cables run between subsystem components are dedicated, serving only one purpose. During times when they are not being used they serve no purpose.

An enterprise solution provides shared media (network) that serves all client equipment.



TASK	TASK DESCRIPTION
4.1	Identify interface protocols and specifications commonly used in ships.
4.2	Evaluate the ecosystem for common component performance and projected costs.
4.3	Identify established optical network architectures and standards.
4.4	Develop cost model for a) new designs, b) life cycle management, and c) upgrades.
4.5	Develop a roadmap for implementation.



NEAR TERM ACTIONS

- All project tasks are complete; final report submission in progress.
- Participation in Common Interface Pilot Project.
- Engage stakeholders for further planning of transition activity.

