



## Digital Data Collection System (DDCS)

Pressure to modernize Naval forces and to lower total ownership costs have driven the Navy to seek innovative solutions to digital data collection in order to fuel the processes and organizations chartered to improve tactics, algorithms, sensors, and training. Progeny Systems is the developer of an enterprise level data collection and archival system to support these initiatives. Data collected from modern Naval combat systems is increasing at an exponential rate. It is projected that within 2 years, submarine combat system recording by DDCS will exceed 10 Petabytes (10 Million Gigabytes) per year. Over the next several years, digital data collection by DDCS alone will be accounting for a substantial percentage of the worldwide data produced.

### DDCS goals:

- Provide cutting edge performance in a fully embedded digital data recording suite
- Standardize capability across all platforms with COTS
- Standardize media and data format
- Support R&D, tactics development, intelligence, test, training, and environmental communities
- Support paperless ship initiatives
- Leverage tactical system upgrade cycles and logistics
- Consolidation of federated recording systems / TOC benefits

For more information about Progeny Systems or the Digital Data Collection System:

9500 Innovation Drive  
Manassas, Va 20110  
(703) 368-6107

[occonnor@progeny.net](mailto:occonnor@progeny.net)



The heart of the DDCS is the Archival Media Center (AMC) is being installed on 688 and 688i ARCI Phase III/IV submarine platforms. The AMC supports 12 state-of-the-art 8mm digital tape drives connected to DDCS via 2 gigabit Fibre Channel Standard. AMC is a submarine qualified, grade B cabinet with resilient mounts tuned to minimize the vibration environment for the tape drives.

As an active participant in the Submarine Sonar Technology Refresh IPT, DDCS and the AMC embrace the fundamental tenets of technology refresh including affordability, scalability, and judicious use of cutting edge technology to meet performance goals without sacrificing reliability or cost constraints.

