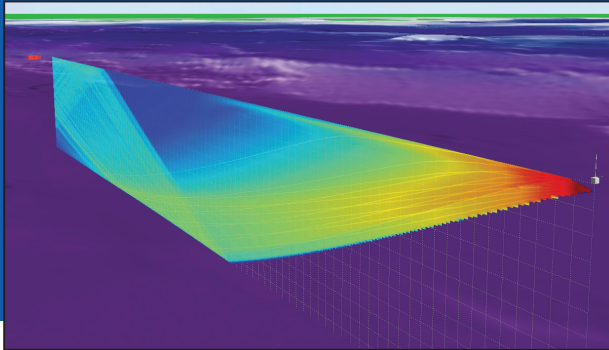


ENSCO Underwater SVS Solution



Screen shot example of 3-D sound propagation path

ENSCO's SVS Core is a software application that enables underwater system providers to achieve tailored SVS capability at a fraction of the cost of internal development. Compatible with any underwater system, the SVS Core provides a clear view representation of the environment in all weather conditions and situations.

Advantage: Proven Cost-Effective Future Proof Solution

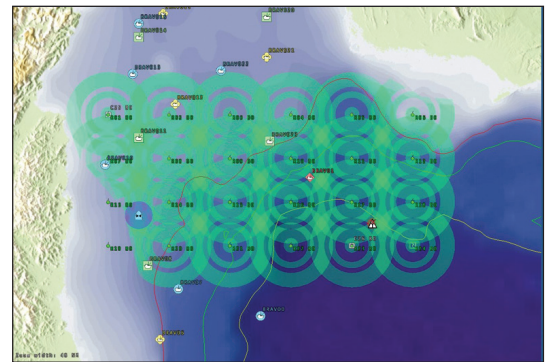
- Software-only application
- Platform independent
- Tailored to platform attributes and mission needs
- Sensor agnostic and extensible
- Integrated function in U.S. Navy P-3C AOP 4.2 software

Benefits

- Improves safety through crew situational awareness
- Reduces operator analysis time and training costs
- Affordably adds SVS functionality to acoustics system
- Reduces cycle time and development costs by leveraging existing application investment when adding new sensor inputs and symbology
- Conforms with FACE™ aligned solutions

Features

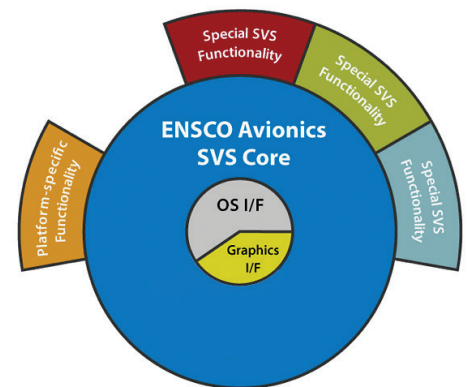
- Core of advanced algorithms structured for configurability
 - 2-D/3-D visualization of sound propagation within the scene
 - Seamless transition from over water to over land
 - Simultaneous display of multiple data resolutions (terrain and bathymetry)
- Interface to operating system of aircraft for optimal data flow
- Existing APIs handle database and sensor inputs
- Tailored acoustic solution on the SVS Core



Screen shot example of sonobuoy search pattern

Performance Metrics/Feature Summary

2-D/3-D Overlays	High-resolution Imagery: TIFF, PNG, JPEG, BMP, CIB Maps/Charts: GEOTIFF, CADRG 3-D Objects: Cultural Features, Vehicles, Obstructions, Vegetation
Elevation/Depth Data	DTED Level 0, 1, 2, other formats to 1-meter resolution and finer, DBDB-V
Terrain Display	Slope Shading, Contour Lines, Elevation Bands, Photo-texture
Symbology	MIL-STD-2525 and other tactical symbols, FAA chart symbols, other standard symbol sets, custom sets
2-D Views	North-up, Track-up, Heading-up, Free
3-D Views	Egocentric (Cockpit View) Exocentric (Wingman View) Mission Look Ahead



ENSCO SVS Core Architecture

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