



ONRG Science Advisor COMPACFLT S&T Focus Areas

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Frank Bantell



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Background



- *More than half the Earth's surface*
- *180 ships*
- *1500 aircraft*
- *125,000 personnel*

**Strengthening Warfighting Principles;
Advance Regional Maritime Partnerships;
Posture forces for Agile Response;
Recognize and Value People and Their Families.**



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UNCLAS Key C2 S&T Focus Areas



- Networking Technologies (0-3 years)
- Sensor Capability/Analysis Support Tools (0-3 years)
- Automation (0-5+ years)
- Human Factors (0-3 years)



Networking Technologies



- Health and status, influence, persistence of ALL networks (sea bed to space).
 - Improve understanding of how information flows;
 - Enable warfighter to determine/control when and what information flows;
 - Identify, prevent, mitigate, network attacks.



Sensor Capability and Analysis Support Tools



- Increased data collection efforts
 - New sensors, increased assets, utilize existing assets more effectively and efficiently.
- Enhanced ability to analyze data
 - Real time, utilize all relevant data/information,
 - Support for more effective decisions.



Automation



- Any automation is good at this point...
 - Relieve the burdens on the warfighter to allow warfighting...
 - Unmanned systems,
 - Decision aids,
 - Intelligent agents, etc.



Human Factors



- Invest early and often in molding the ability of a system to be utilized effectively and efficiently by the warfighter;
 - Identify C2 processes and adapt/develop systems to better serve the warfighter C2 needs,
 - Enable “expert warfighting”.



Summary



- Networking Technologies (0-3 years)
- Sensor Capability/Analysis Support Tools (0-3 years)
- Automation (0-5+ years)
- Human Factors (0-3 years)



Discussion



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