



RDML Tom Druggan

Commander
NAVAL SURFACE WARFARE CENTER

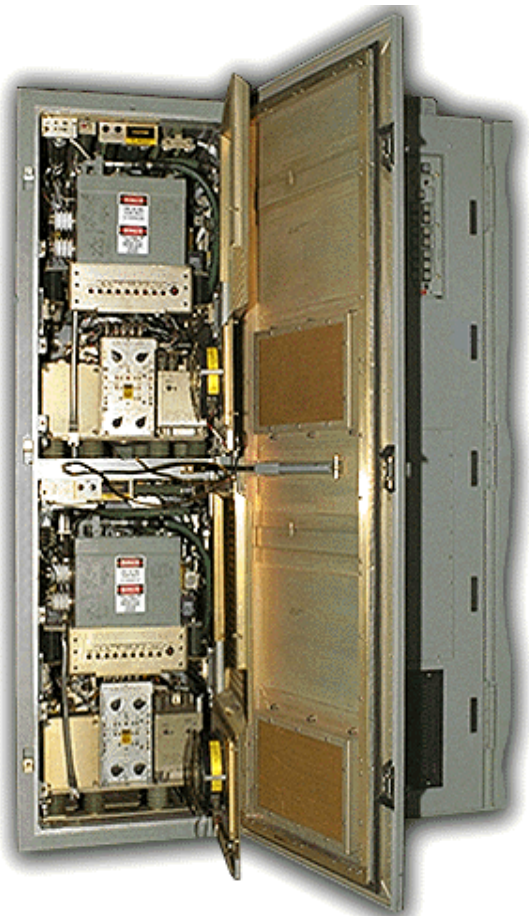


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SPY-1 Analog Switch Tubes



Solid State SPY-6 Trimm (S-Band)



Solid State SPY-3 Trimm (X-Band)



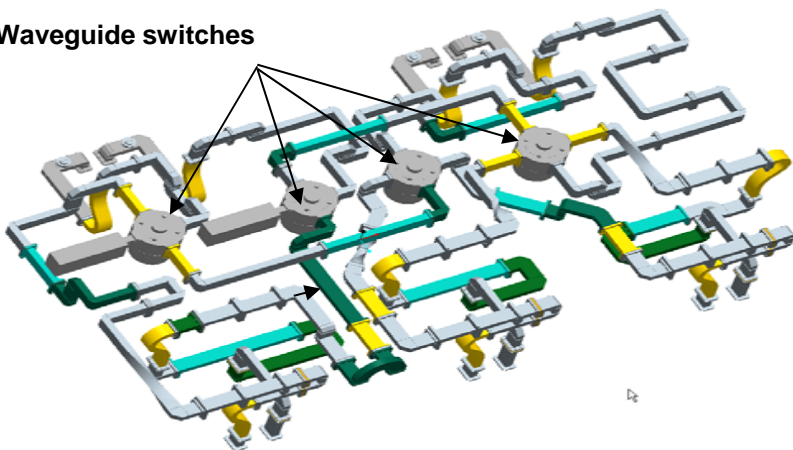


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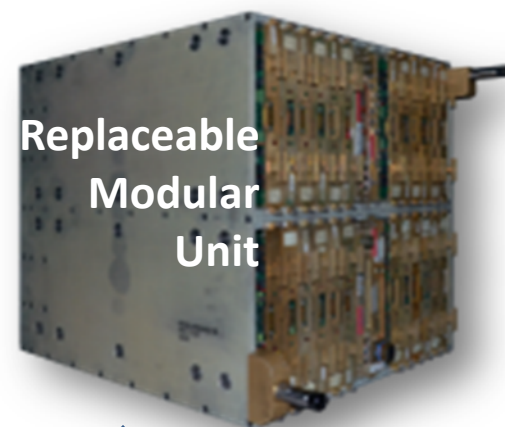
SPY-1 Radar Waveguides



Waveguide switches



SPY-6 Computer Cabling



Replaceable
Modular
Unit

TRIMMs

*Distributed
Receiver/Exciter
(DREX)*



**No waveguide; Distributed
transmitters integrated on Array**



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UKY-43 Early Digital



Common Processing System (CPS) Cabinet





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Steam Boiler



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Gas Turbines – LM 2500 GT



Electric Drive



Water Cooled Induction Motor



HED Converter

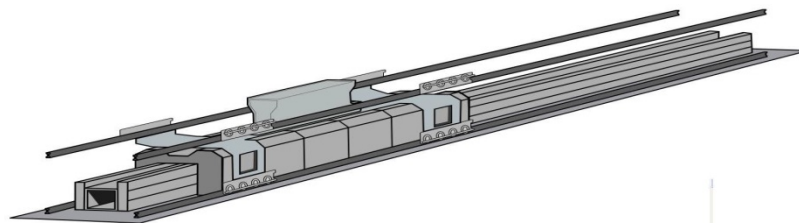


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**Aircraft Carrier Steam Catapult:
F-14 Tomcat preparing to connect to
a catapult on USS Saratoga (CV-60)**



Electromagnetic Aircraft Launch System (EMALs)



Courtesy of Tosaka



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Conventional Guns



Electric Weapons





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AN/SPS-48E Radar

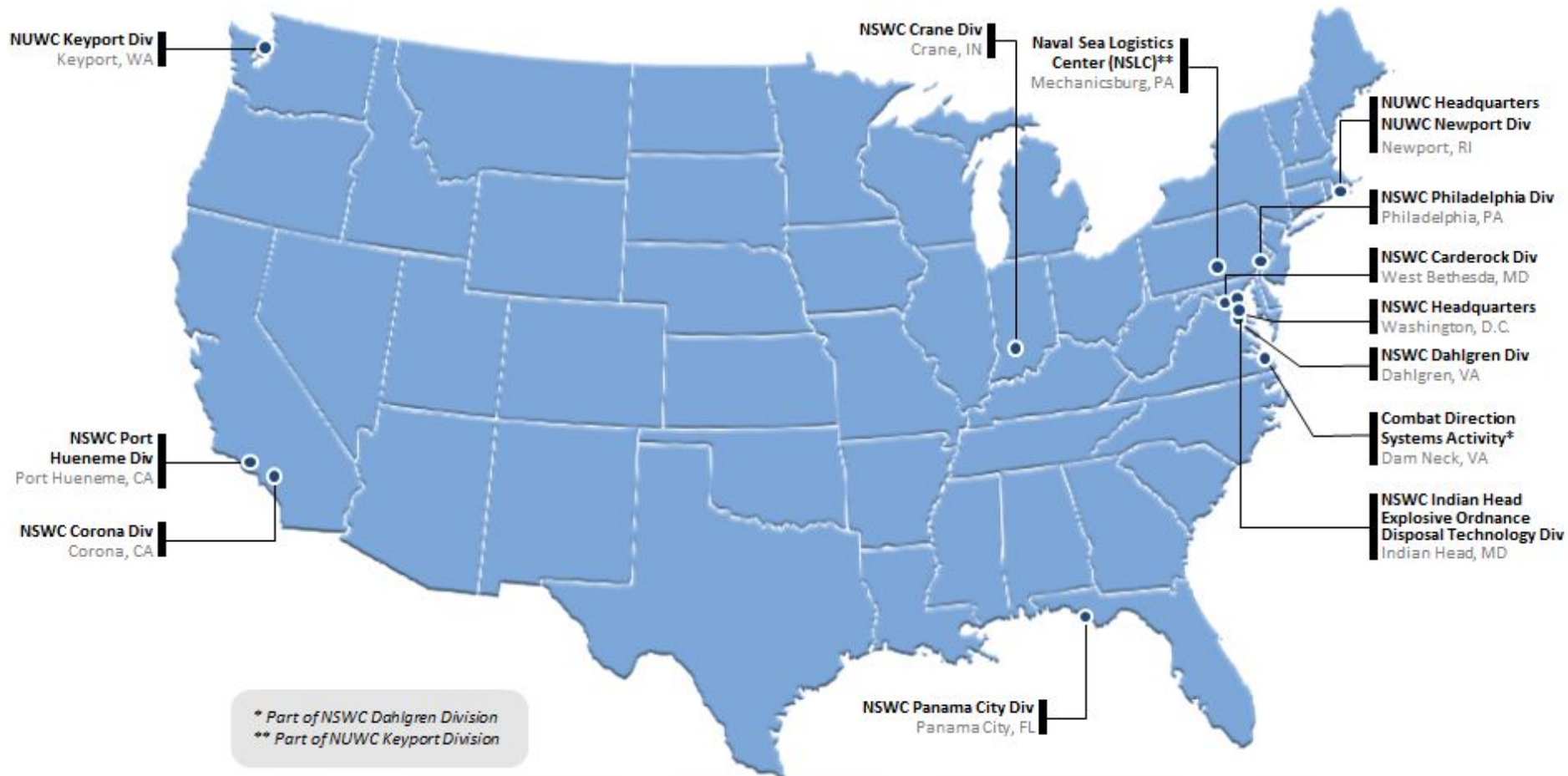


Notional AN/SPY 6(V)





NAVSEA Warfare Centers at a Glance



Warfare Center Quick Facts

- ❖ ~22,060 diverse and highly educated employees focused on innovation (~14,700 scientists, engineers, and technicians with ~600 Ph.D.s)
- ❖ 128 unique Technical Capabilities (TCs) across 10 Divisions
- ❖ Operates under the Navy Working Capital Fund (NWCF) business model
- ❖ Disciplined process for accepting and assigning the right work to the right WC Division based on TCs

- ❖ Part of the Naval Research & Development Establishment (NR&DE)
- ❖ Size of the workforce is based on the funded workload
- ❖ Performs work our industry partners can't, won't or shouldn't do.
- ❖ Maintains more than 164 unique RDT&E facilities

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