19-LANT-0031 Network as a Service
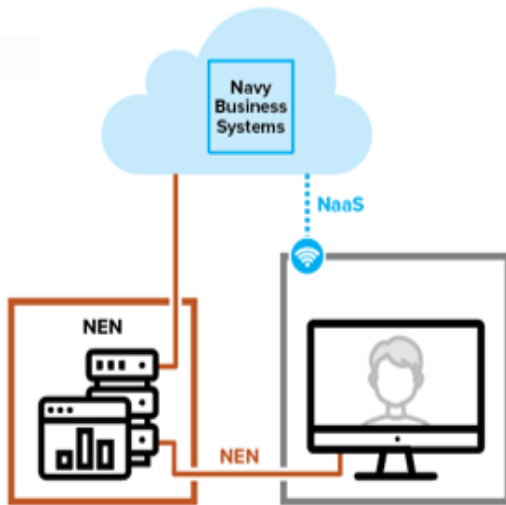## Dr. Will Stephens

The prototype is intended to demonstrate functionality and to collect quantitative information to prove or disprove the following working theories. <u>Answers to the theories will drive subsequent architectural choices and Navy production investment in follow-on contract activities through the IWRP.</u>

Schedule: Expected prototype in Navy Enterprise production prototype (Full Proposal) in FY19.

Theory 1: Connection directly from bases to (Cloud Service Providers) CSPs will enable better network performance to the CSP than using existing connectivity paths (DISA WAN and Boundary Cloud Access Point (BCAP) to CSP)

Theory 2: Use of CSP/Telco to provide WAN connectivity from base to base will enable better network performance than using existing connectivity paths (DISA WAN)

Theory 3: Use of CSP/Telco for WAN connectivity will enable faster WAN provisioning reconfiguration than currently available service (DISA WAN)

Theory 4: Use of CSP virtual Boundary Cap (BCAP) will provide greater performance than currently available DISA BCAP

Theory 5: Use of CSP virtual BCAP can provide equivalent services in a different way

Theory 6: CSP Internet Access Point (IAP) can provide better performance than connecting through the DISA IAP

Theory 7: Use of CSP IAP can enable secure, high performance, consumption of Navy cloud services without traversing the Department of Defense Information Network (DODIN)

Theory 8: The cost for the WAN, IAP, and BCAP services will be merited given the performance, scalability, and flexibility provided. Note, the scaled costs for each will be provided by the contractor, but the business case evaluating the value/performance/cost will be developed by the government.