



**DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF INFORMATION OFFICER**

**Citizens Broadband Radio Service and
Spectrum Sharing Initiatives of Interest to NSMA**

**Tom Kidd
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Strategic Spectrum Policy**

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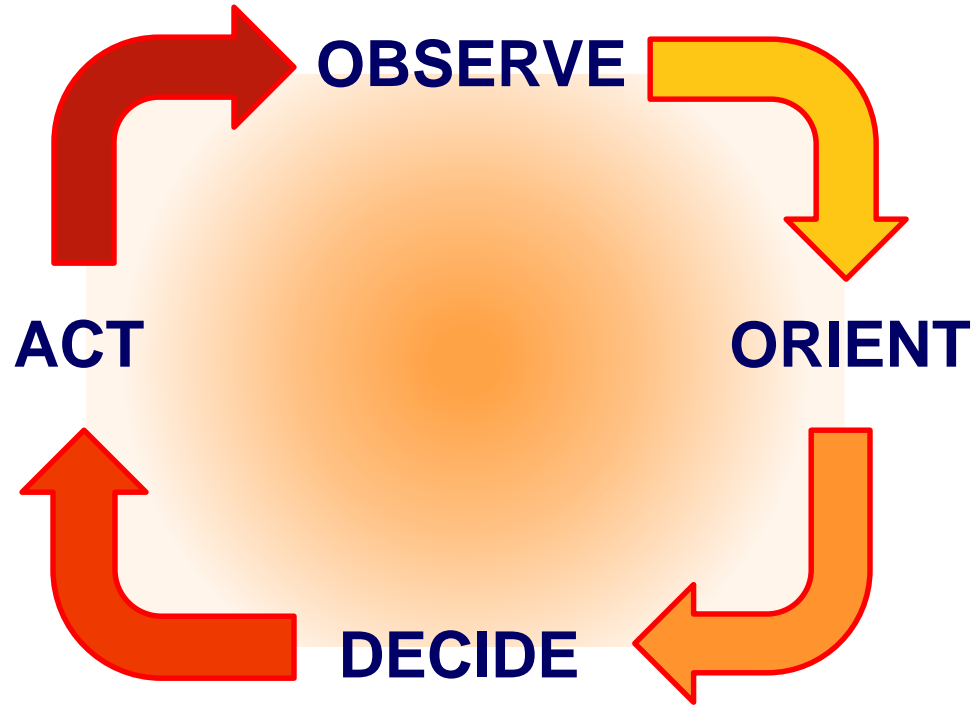
- Three-tiered spectrum access authorization framework: Incumbent Access, Priority Access, and General Authorized Access.
- Access and operations will be managed by an automated frequency coordinator (a spectrum access system (SAS)). SASs may incorporate information from an Environmental Sensor Capability (ESC), a sensor network that detects transmissions from DoD radar systems and transmits that information to the SAS when managing spectrum access.
- Both SASs and ESCs are subject to certification by the FCC (second wave of applications currently under review).

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- Protection methodology will be based on Dynamic Protection Areas (DPAs); SASs will have the option to use DPA-based protections instead of Exclusion Zones, including the coastal exclusion zones.
- DPAs are pre-defined protection areas—extending from the coastline out into the ocean or enclosing a protected terrestrial radar facility—which may be activated or deactivated as necessary to protect DoD radar systems.
- SASs will protect federal incumbent operations in the 3.5 GHz band using dynamic and precisely tailored protection criteria rather than static Exclusion Zones.
- This will permit operators in the 3.5 GHz Band to operate in a larger portion of the country more quickly and thereby promote efficient spectrum use and rapid commercial deployment in the band while still protecting federal operations (including those used for defense purposes) against harmful interference.

**If an ESC detects the presence of federal radar, the DPA is activated.
If the ESC does not detect the presence of federal radar, the DPA is deactivated.**

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DON Sharing Related Initiatives - Completed

1. SECNAV Instruction 2400.3 “Electromagnetic Battlespace,” 5 OCT 2018
2. “Full Operational Capability Certification of Spectrum-Dependent Systems,” 5 JUN 2018
3. “Radio Receiver Frequency Assignments for Mission-Critical Systems,” 6 June 2017
4. “DON EMS Harmful Interference Reporting,” 10 May 2017

DON Sharing Related Initiatives - In Progress

1. “Reducing EMS Fratricide” policy memo
2. “New Paradigm/Spectrum Flexibility” policy memo
3. “Spectrum Supportability Policy for Mission-Critical Unlicensed Devices” policy memo

DON Sharing Related Initiatives - In the Queue

1. “Sharing & Testing” policy memo
2. “Spectrum as a Resource on Installations”
policy memo



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