

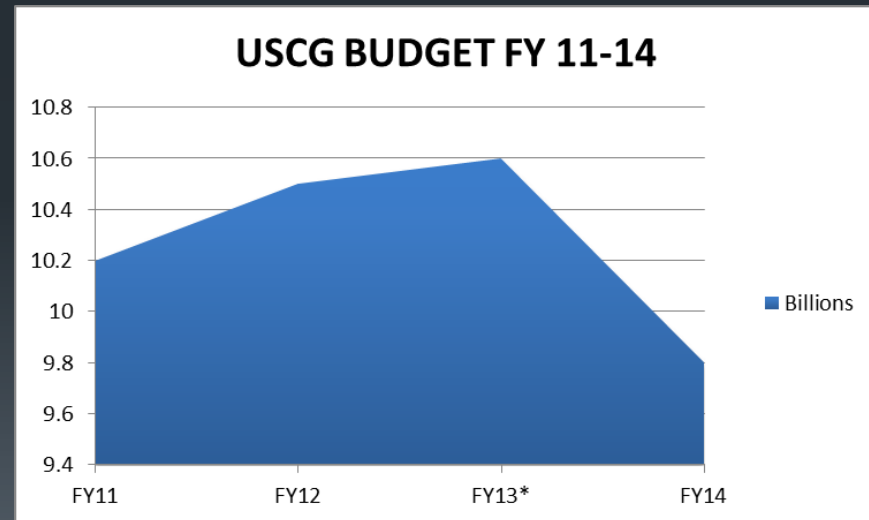


U.S. COAST GUARD PREVENTION OFFICER ASSIGNMENTS

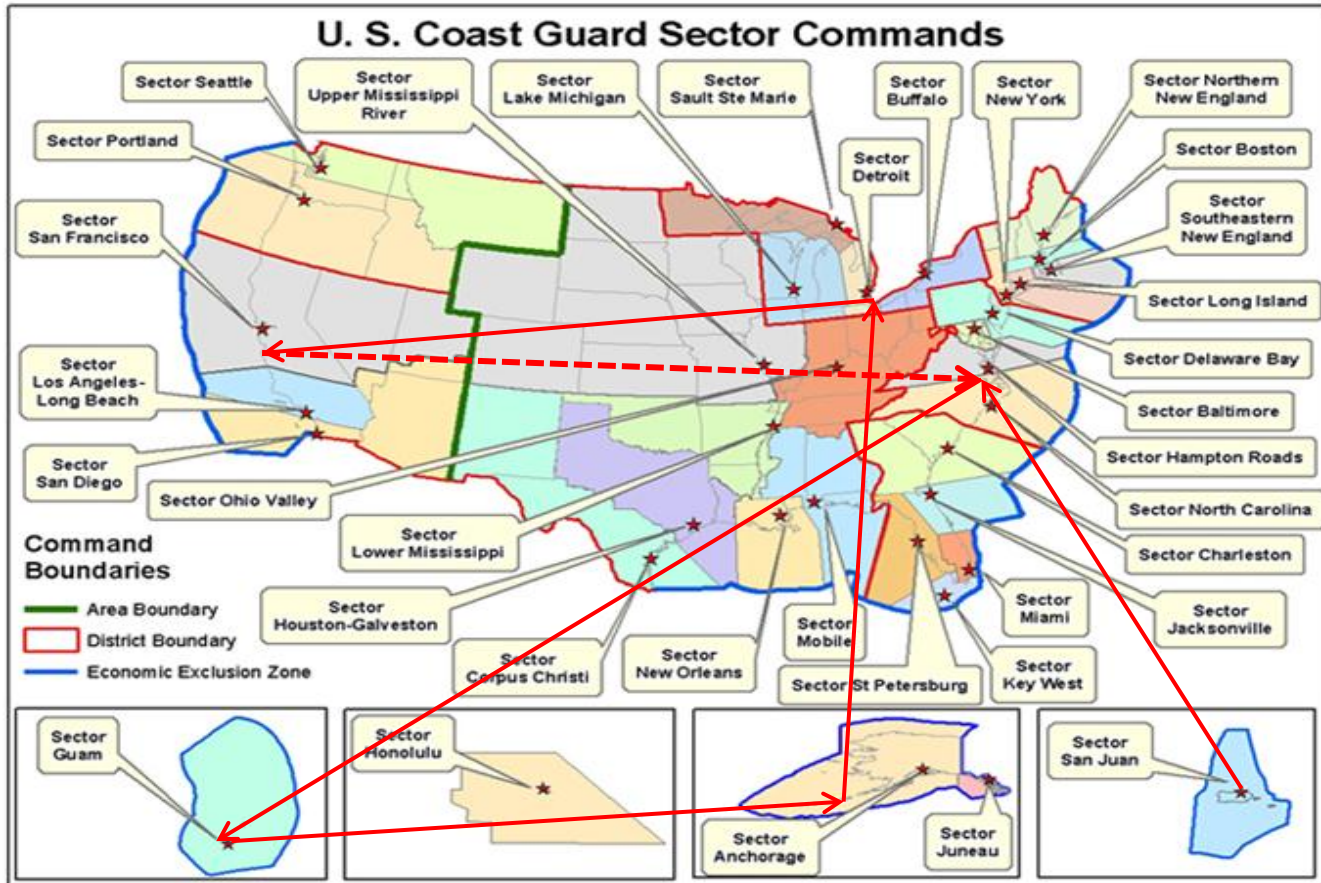
Jose M. Rosario
LT, USCG

BACKGROUND

- Sequestration
- “needs of the service”
- On average around 1000 Junior Officers transfer every year
- Average PCS cost around \$25,000
- “Blind Assignments”
- Qualifications
- 34 Units
- 15 Assignment Factors



Example



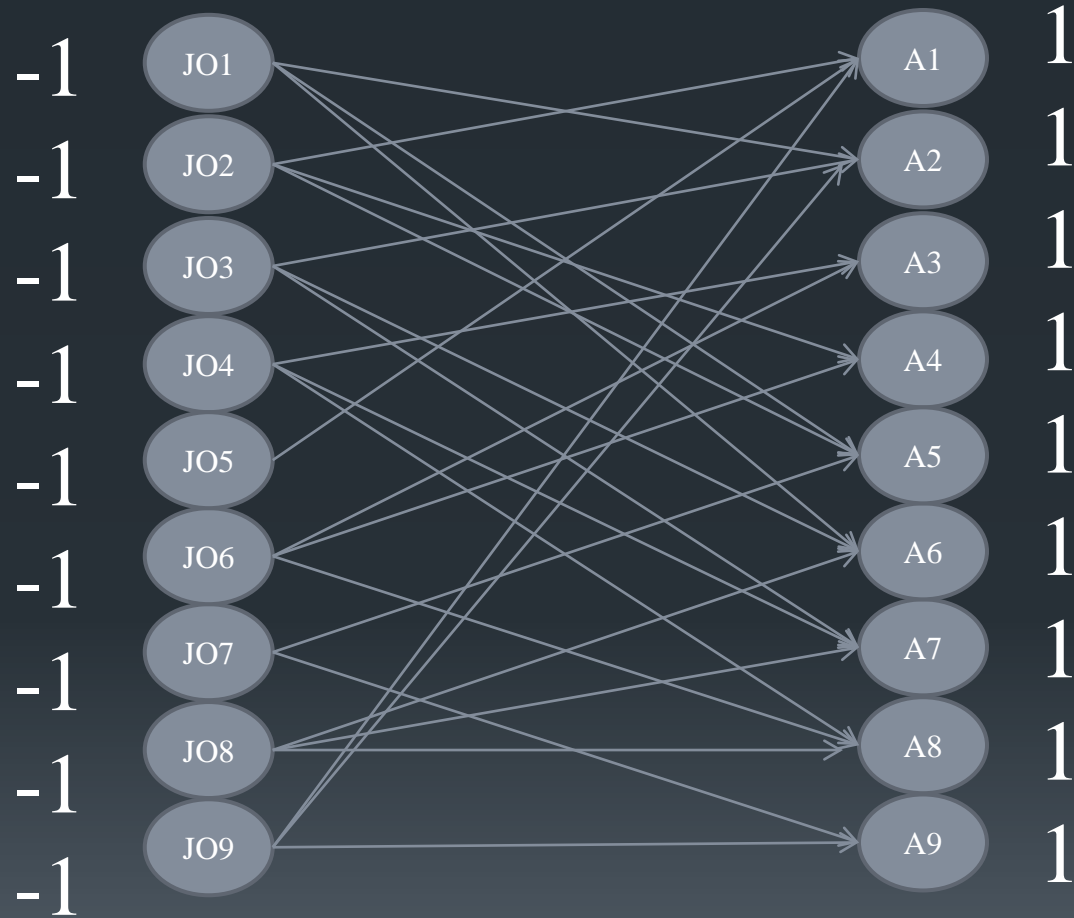
Assumptions

- Only care about Major Qualifications
- Equally Qualify
- All eligible for Operational Assignments
- CONUS
- Same amount of Dependents
- Every JO must apply for all Assignments
- Staying in Current Job is a possibility

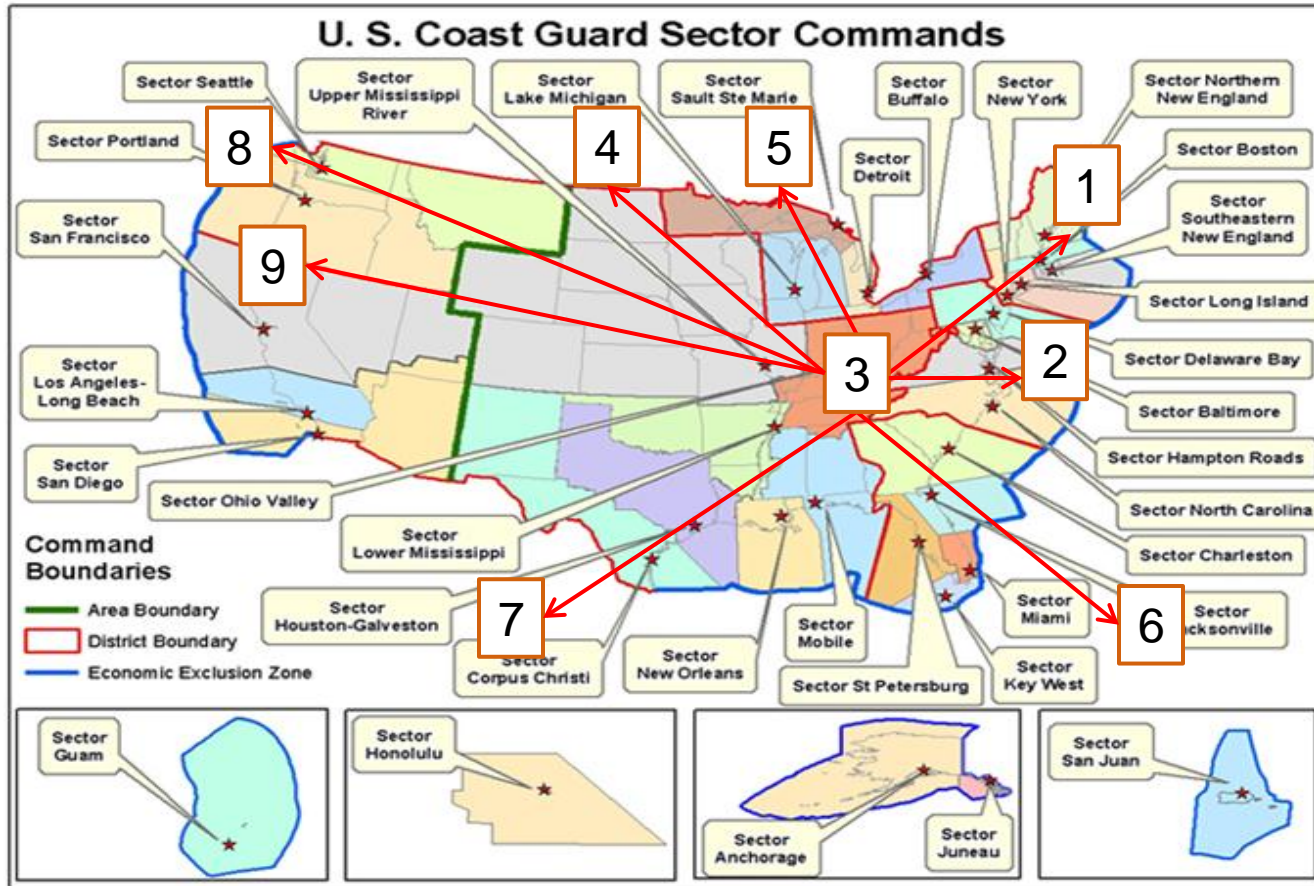
NETWORK

- Nodes: 9 Major Units
- Edges: Distance
- Weight: Combination of Performance Score and Distance
- Performance is based on Assignment Factors
 - Evals
 - Qualifications
 - Rank
 - Prior Assignments

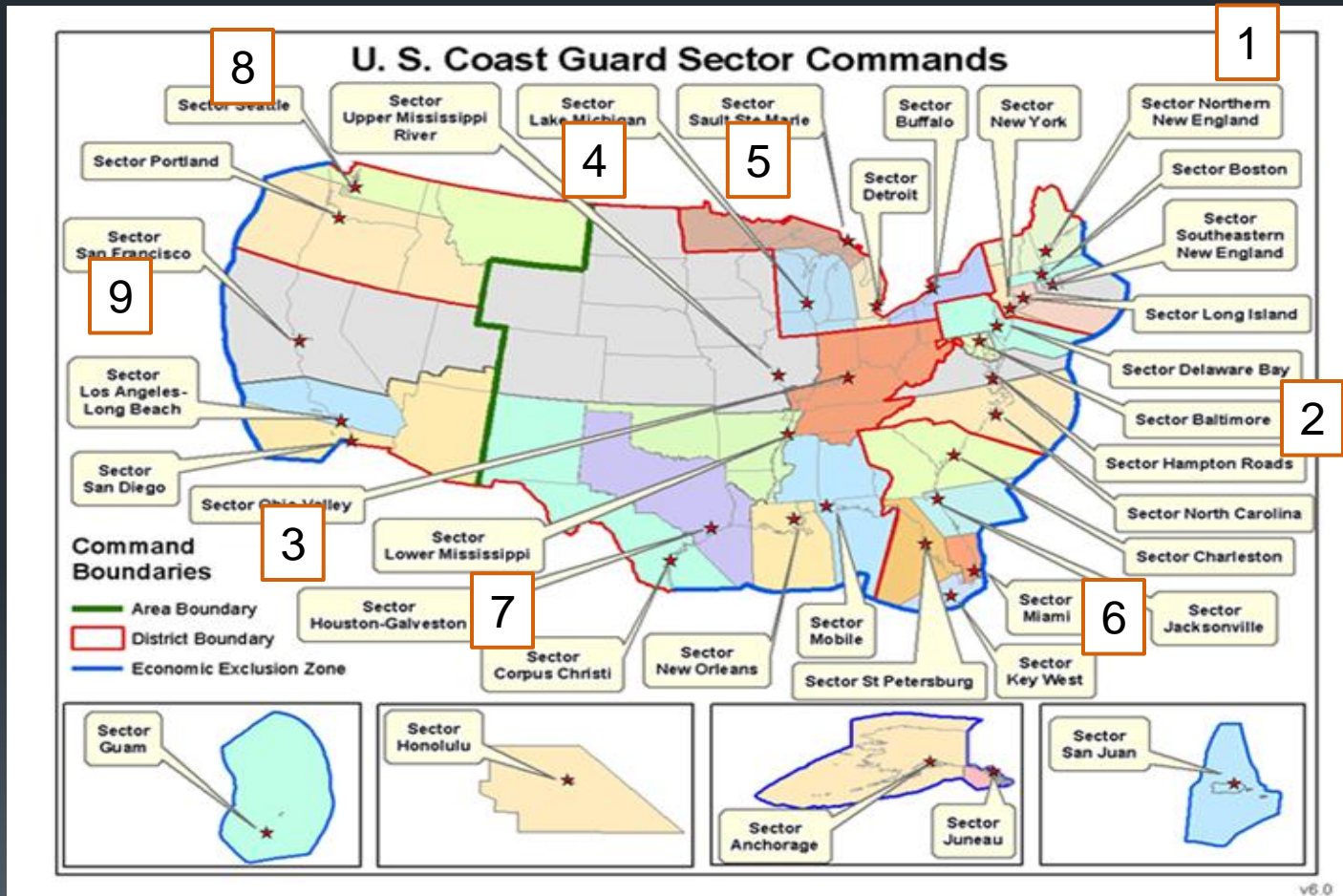
GRAPH



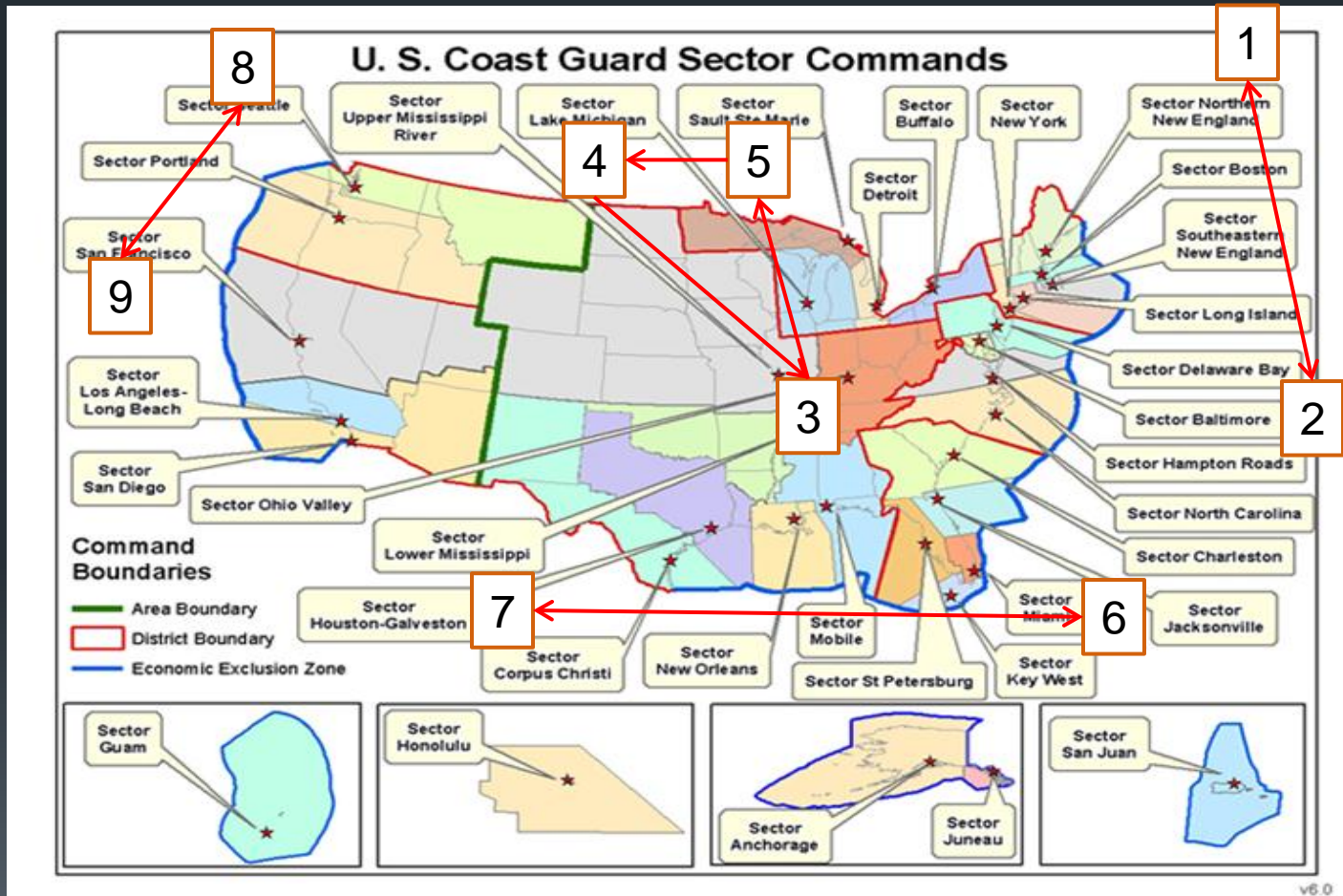
Example



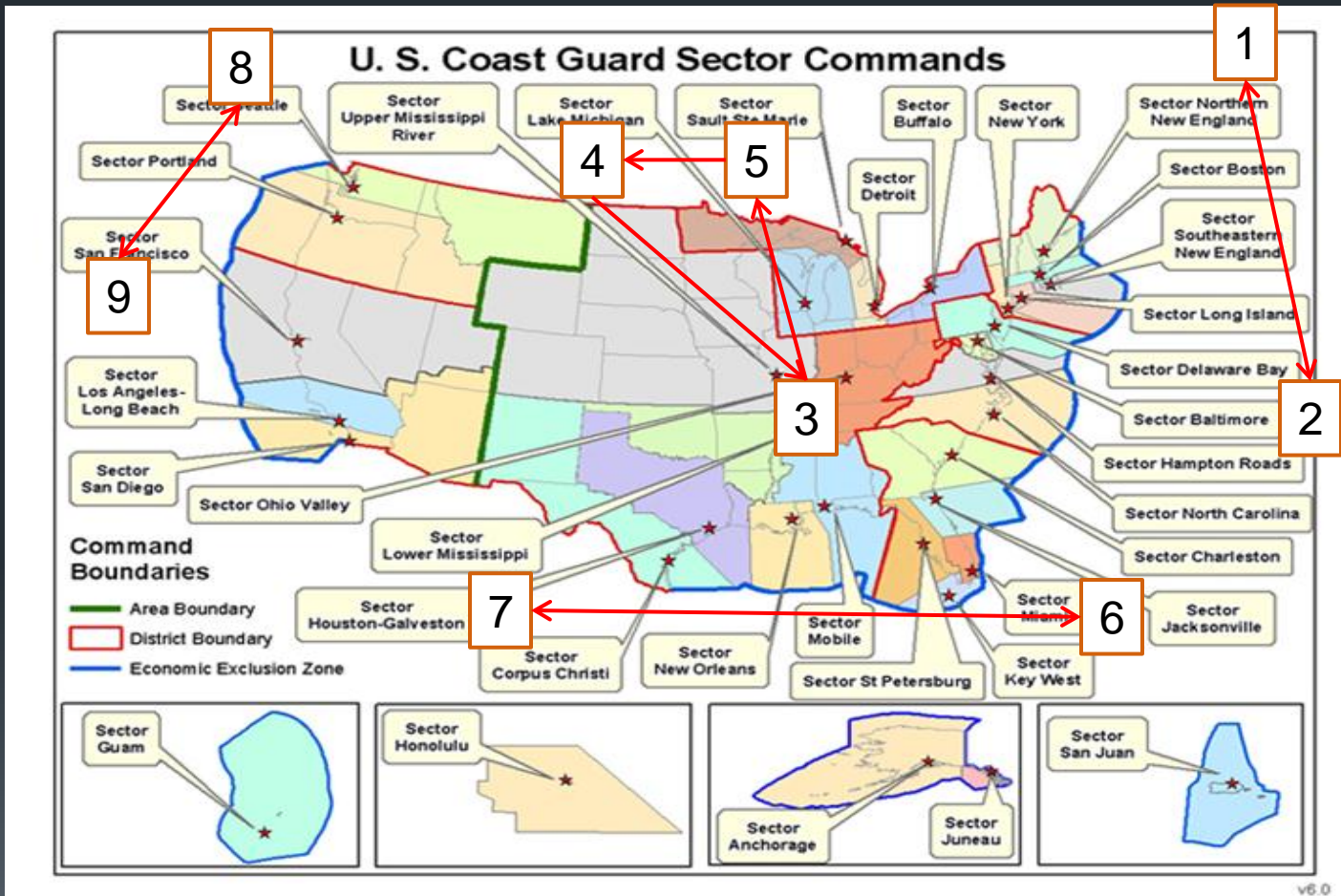
Easy Solution



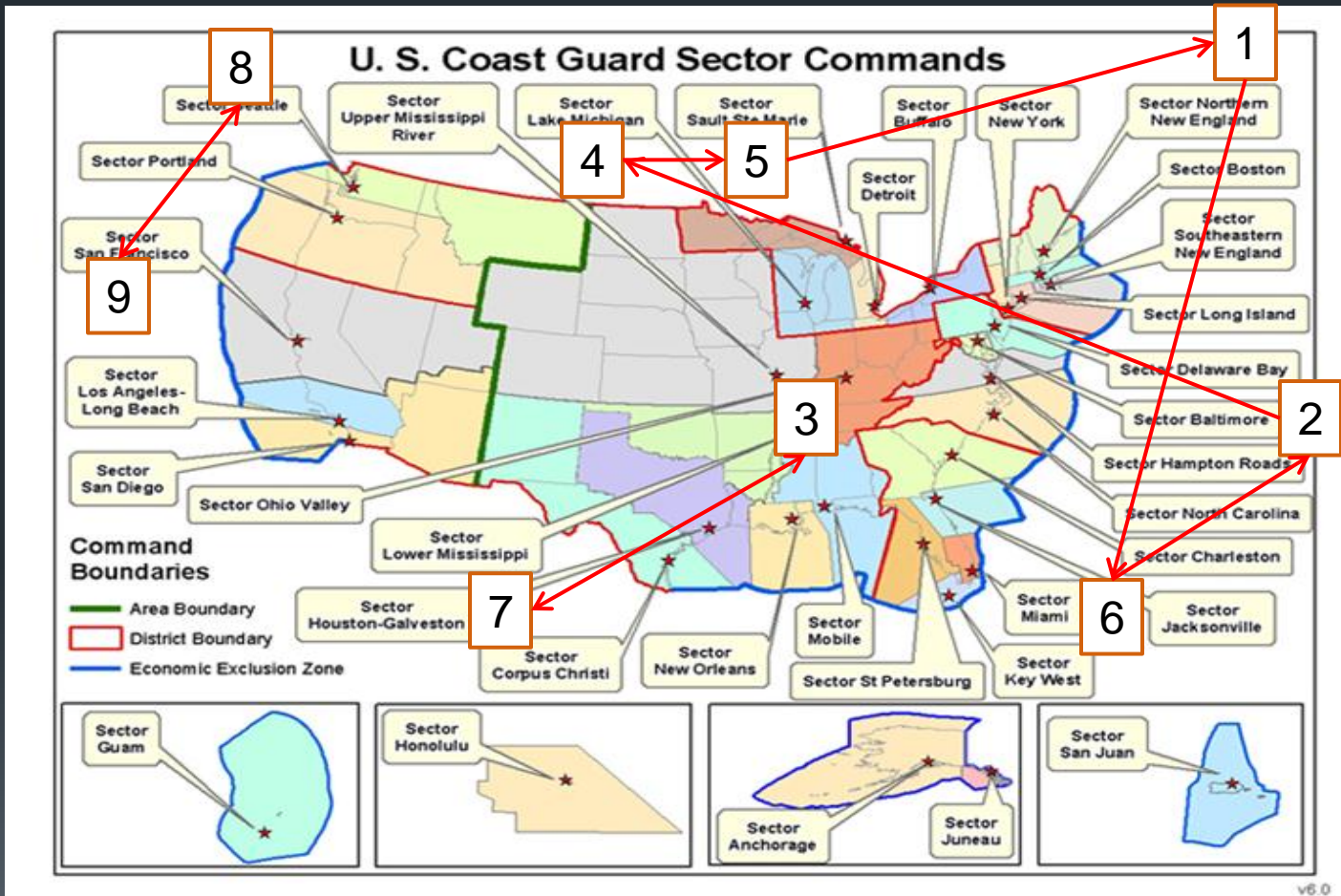
Must PCS



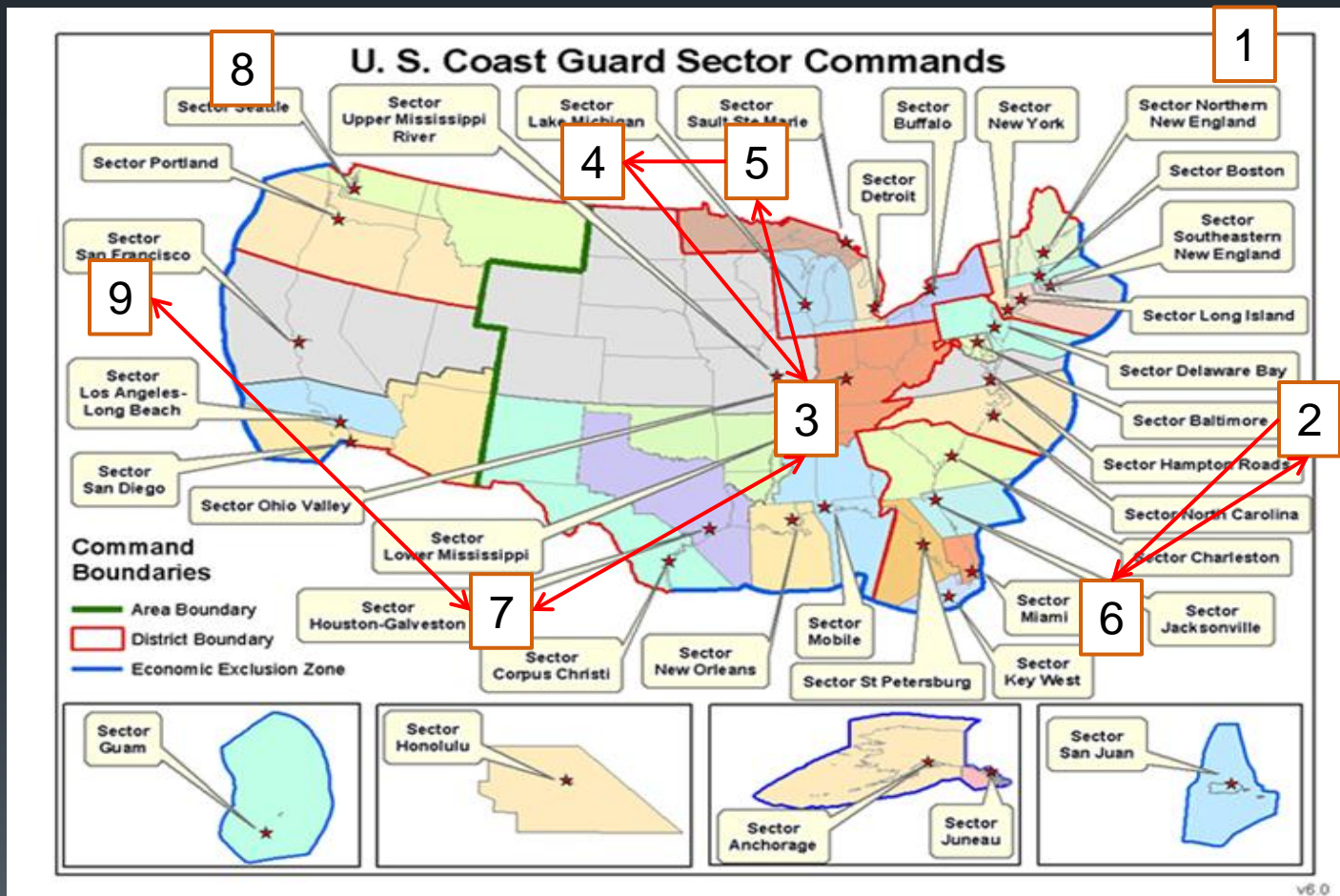
Distance Based



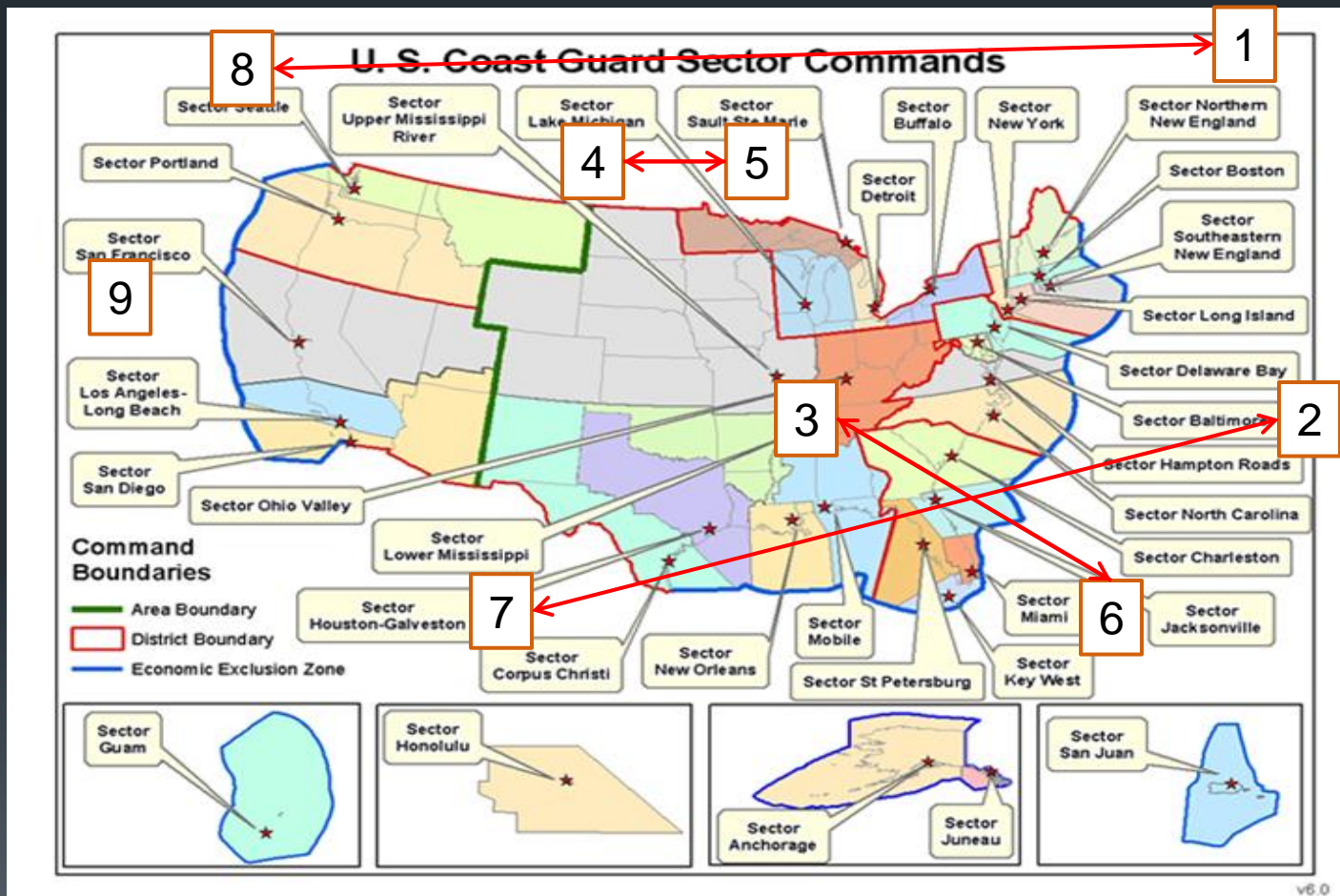
Performance Based



Extensions Allowed



Modified Based





COMPARISON

- Modified Performance Based – 7.9
- Performance Based – 5.56
- Must PCS – 4.83
- Distance Based – 1.1
- Extensions Allowed – 3.59

COMPARISON



FUTURE



- Expand - USCG Officers Specialties
- Balance Performance more accurately
- Add more variables
- Time Layers
- Thesis