Port Safety & Security Technologies
Summary

- Rescue 21
- Homeport
- Interagency Operations Centers
Digital vs Analogy

Green = Digital
Red = Analog
NOTE: Coverage rings are depicted for illustration purposes only.
Command & Control

WatchKeeper
- Capabilities will be developed/deployed in 3 segments:
  - Segment 1 – Information Management (Watchkeeper)
  - Segment 2 – Sensor Management
  - Segment 3 - Facilities
- Watchkeeper developed in 6 “spirals” of capability

Today
Operator is the Integrator

Tomorrow
Operator is the Evaluator
Interagency Ops Centers
**Integrated IT Systems** – USCG and Interagency; i.e. MAGNet (SANS, MISLE, CWSS (NOAA, DoD, CBP, IRVMC, LRIT)

**Sensors** (R21, NAIS, Radar, Cameras, Rad/Chem/Bio Hazard)

**External Data** (Port Partners; Weather)

**Capture Watch Events**

<table>
<thead>
<tr>
<th>Consume Data</th>
<th>Organize</th>
<th>Apply</th>
<th>Share and Act</th>
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</thead>
<tbody>
<tr>
<td><strong>Integrated IT Systems</strong> – USCG and Interagency; i.e. MAGNet (SANS, MISLE, CWSS (NOAA, DoD, CBP, IRVMC, LRIT)</td>
<td><strong>Arrange</strong> All Information in Context of the Users</td>
<td><strong>Business Rules, Workflow, and Planning Inputs</strong></td>
<td><strong>Actionable</strong> Situation Awareness</td>
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<tr>
<td><strong>Sensors</strong> (R21, NAIS, Radar, Cameras, Rad/Chem/Bio Hazard)</td>
<td><strong>Reuse</strong> this Context Throughout IOCs</td>
<td><strong>Anomaly Detection</strong> Alerts</td>
<td><strong>Issue</strong> and Monitor Tasking</td>
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<td><strong>External Data</strong> (Port Partners; Weather)</td>
<td><strong>Single Entry</strong> Data Point</td>
<td><strong>Decision Support</strong> and Knowledge Management</td>
<td><strong>Publish</strong> Selected Info to Port Partners</td>
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<td><strong>Capture Watch Events</strong></td>
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<td><strong>Analyze and Monitor</strong> Vessel Behavior</td>
<td><strong>Coordinate</strong> Inter-Agency Operations</td>
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<td><strong>Automated Briefings</strong>, Notifications, Logs, Reports</td>
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**Link Information with Operations**

- SBInet
- CBP
- COP
- Seahawk
- CG Data
- Fused Intel
- Port Grants
- DoD
- DHS S&T
- GMII
- GMSA
- Port Grants
- GMII
- Fused Intel
- CG Data
- SBInet
- CBP
- COP
- Seahawk

**Camera**

Radar
WatchKeeper “State of the IOC” provides an executive level summary of port activities (36 hr window)
WatchKeeper Portal and Geographic Display
Summary

- Rescue 21 is enhancing maritime safety & security throughout majority of continental U.S.
- Homeport is “one stop shop” for maritime safety & security information
- Interagency Ops Centers provides enhanced opportunity for information sharing in Maritime Domain
Questions?