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Seabed Warfare and Target Folder Processes (Continuation)

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Monterey, California: Naval Postgraduate School

<https://hdl.handle.net/10945/71904>

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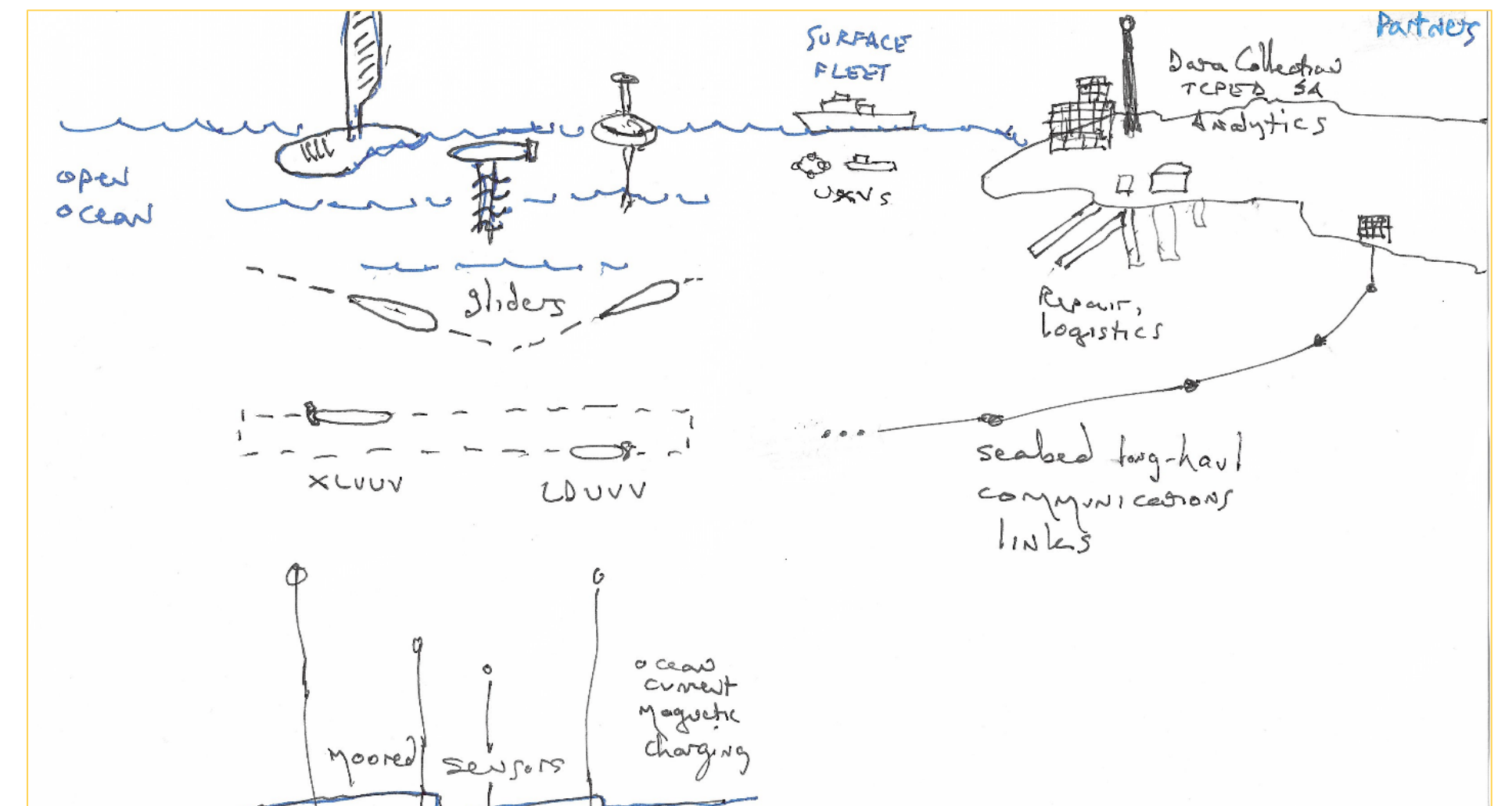
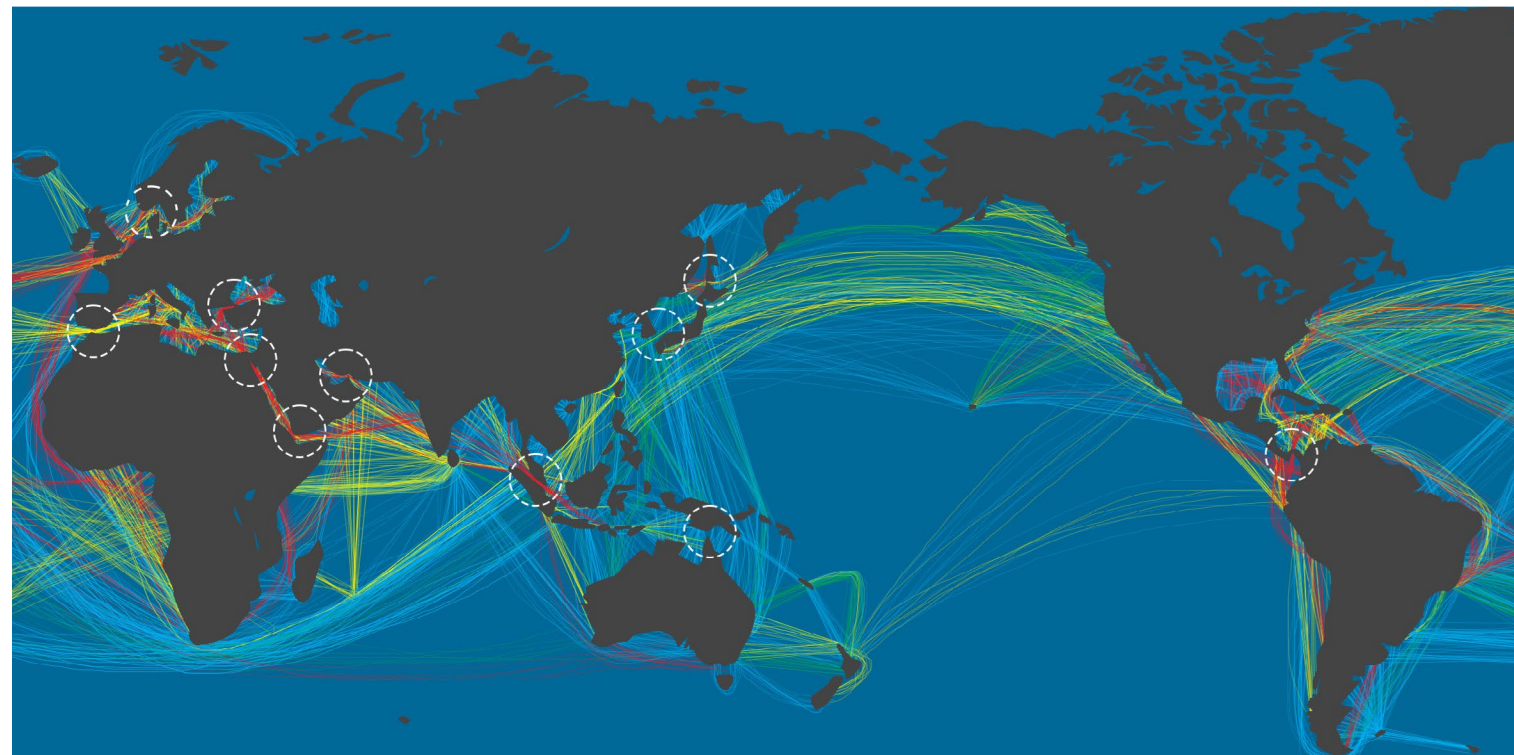


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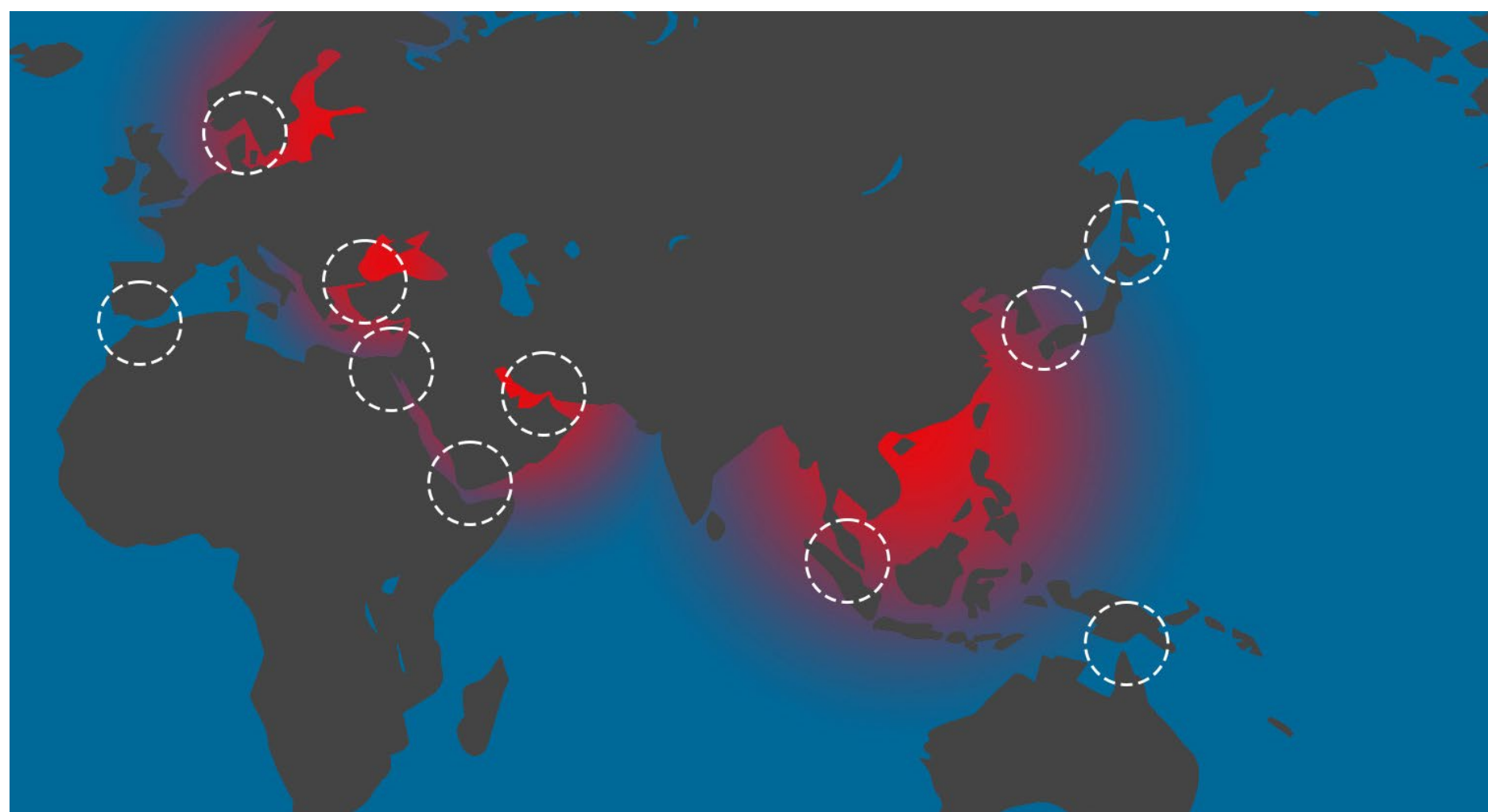
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Problem Space: SLOCS and Economic Security zones



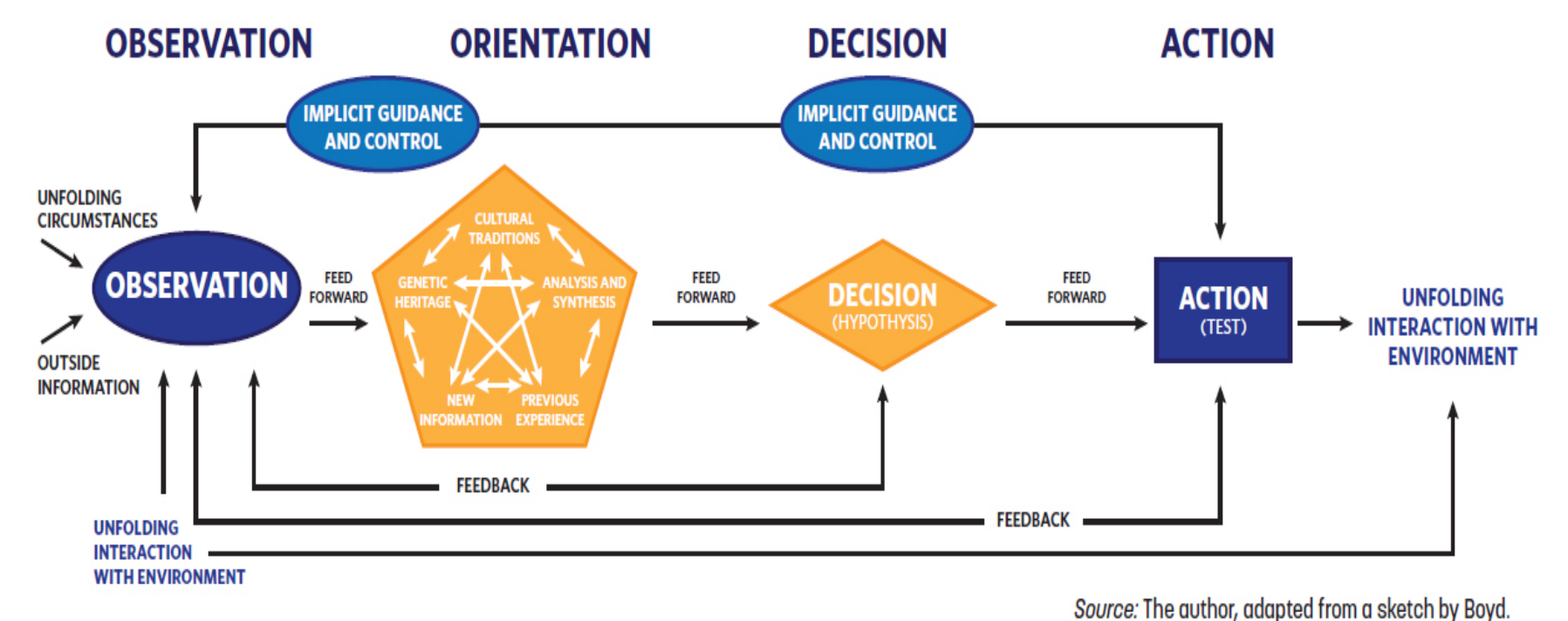
There are many new sensors in the ocean collecting ACINT

The OODA Loop Still Works!



We know where the chokepoints are

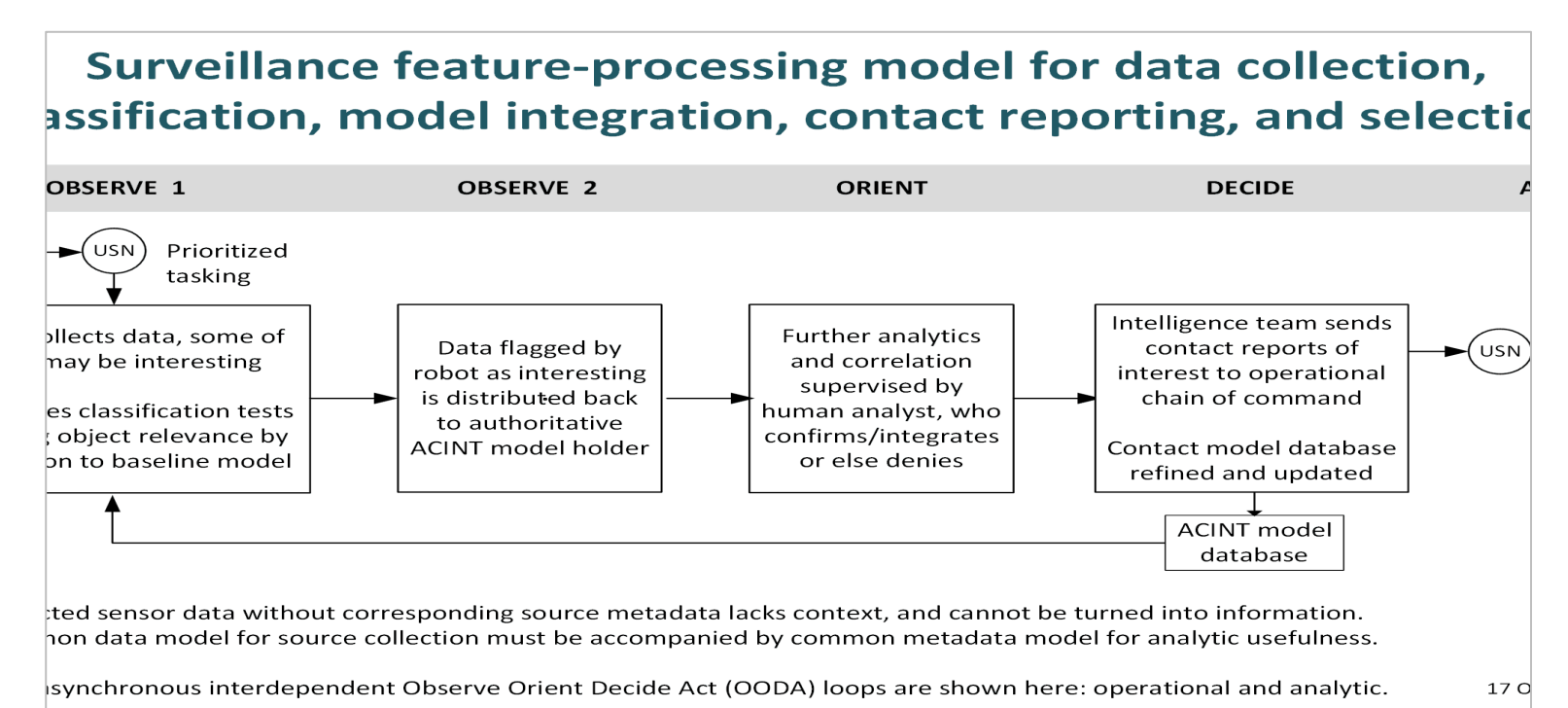
Figure 1. Boyd's OODA Loop Sketch



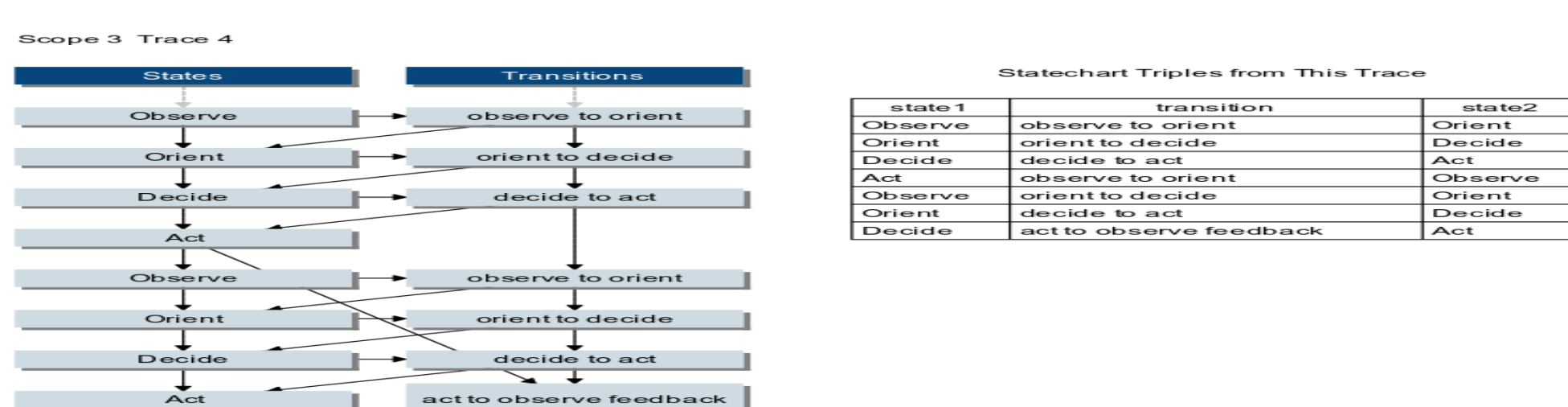
Source: The author, adapted from a sketch by Boyd.

Recommendations

- The ability to derive data from multiple sources, process that data and meta-tag it so that it goes to the correct set of users is the first step in getting ACINT into operational and tactical decision making.
- Determine from current and soon-to-be sensors what capabilities and limitations exist, with regard to making acoustic data available to a service for further use
- Restructuring the organization around ACINT. Use of machine learning and focused artificial intelligence may be useful.



Monterey Phoenix: Emergent behaviors



Processes can include surprises. We use Monterey Phoenix to aid in finding those surprises.



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