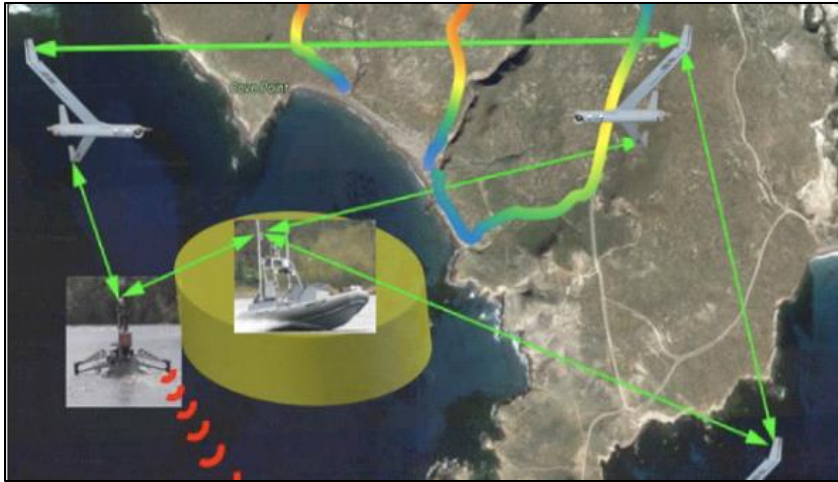


# Human-Autonomy Teaming: Control of Multi-Domain UxV's



Multi-Domain UxV Operations

## Problem Statement

- The objective of the proposed research is to examine the capability of operators to manage multiple UxVs in a multi-domain environment.
- If the future of command and control is multi-domain operations by one operator, then the parameters of what the operator can handle need to be assessed.
- Experimentation will be conducted with simulators representing the control of multi-domain UxVs.
- The number of UxVs and the domains will be systematically varied so that those elements can be examined for their added difficulties.

## Impact

- Allows us to quantify an operators ability to manage multiple UxV for multi-domain missions.
- The results can be used by training commands to focus curriculum on specific areas rather than taking a generalized approach to teaching.
- In addition, program offices can use the results to determine the level of autonomy a system needs prior to procurement.
- Success will be measured by identifying criteria that impact an operators ability to manage multiple UxVs.

## Transition

- Our results can be given to any command that is responsible for UxV training or procurement
- This research directly supports Naval Special Warfare Command and Naval Special Warfare Advanced Training Command.
- Long standing partnerships with PMA-263 and NIWC Pacific will provide a technology transition
- Transition plan is to partner with PMA-263 and Advanced Training Command (ATC)