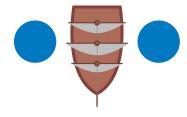
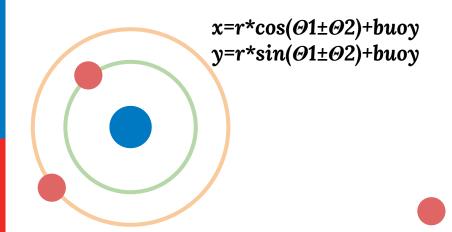


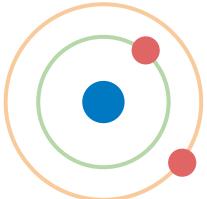
Autonomy



Event Automation: Precision Navigation

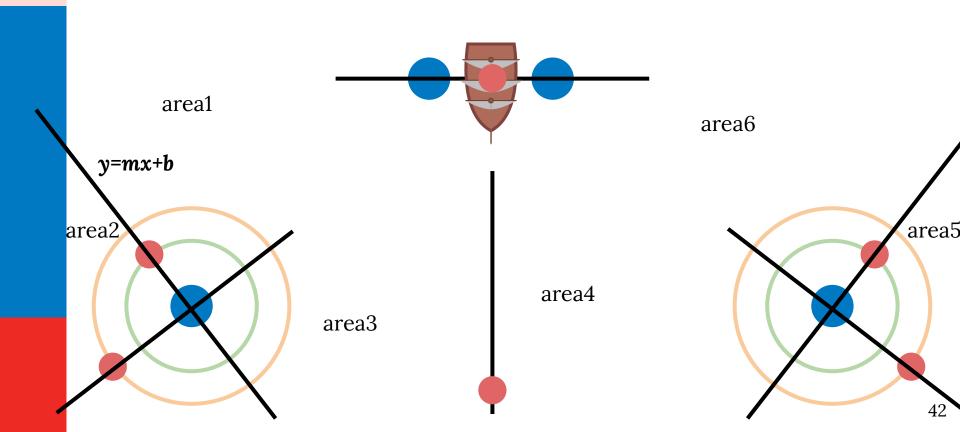




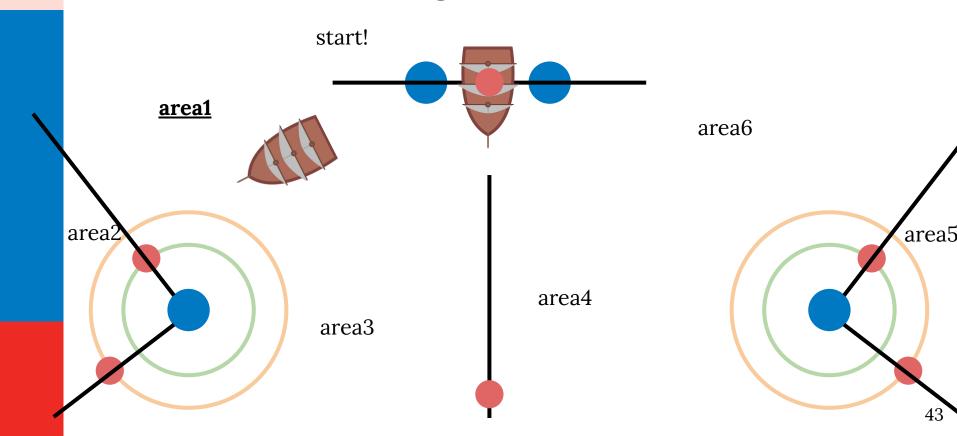




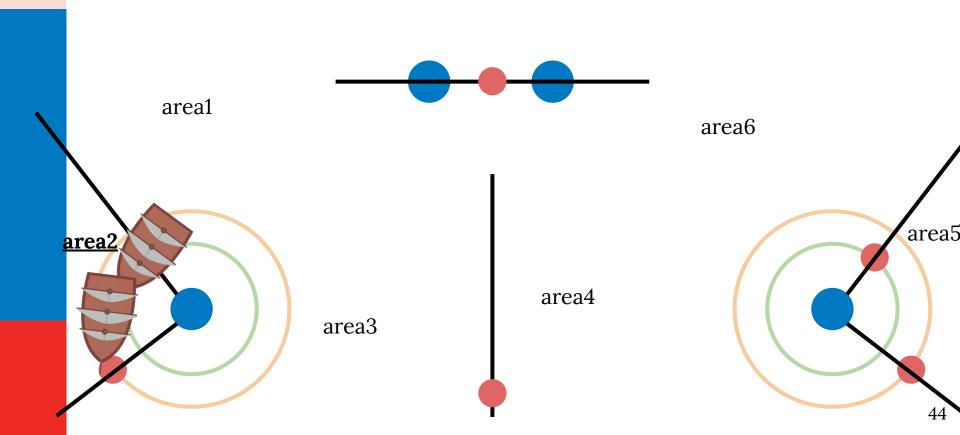
Event Automation: Precision Navigation



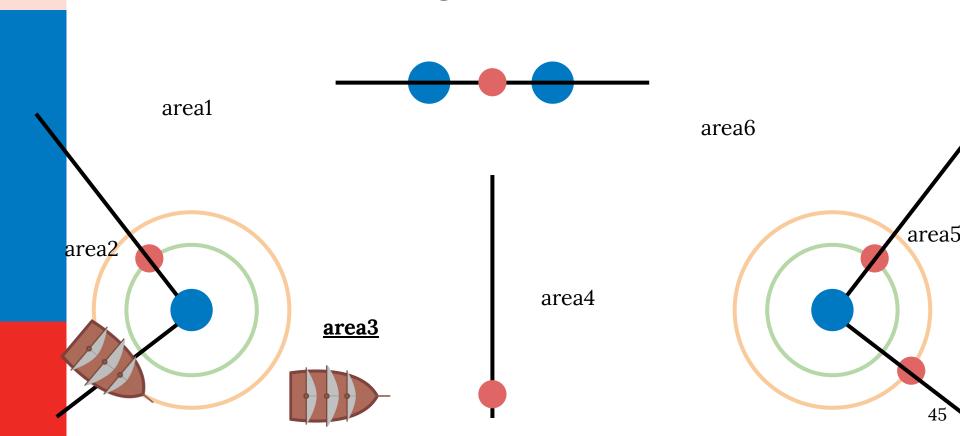




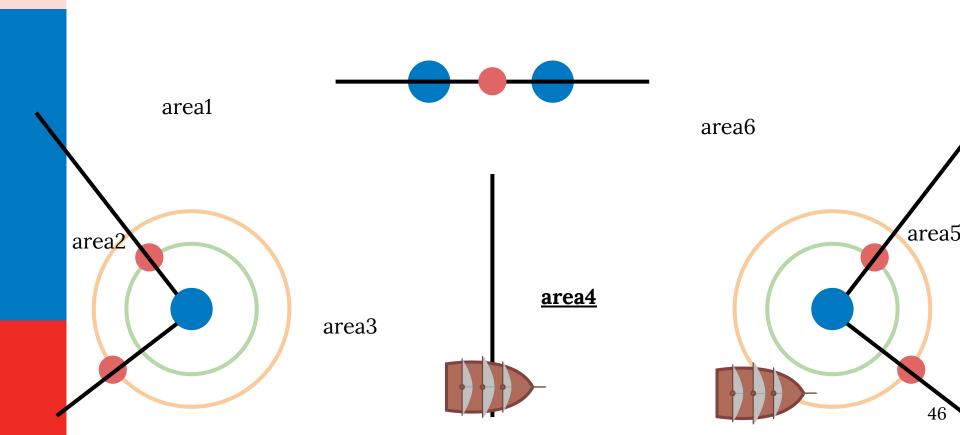




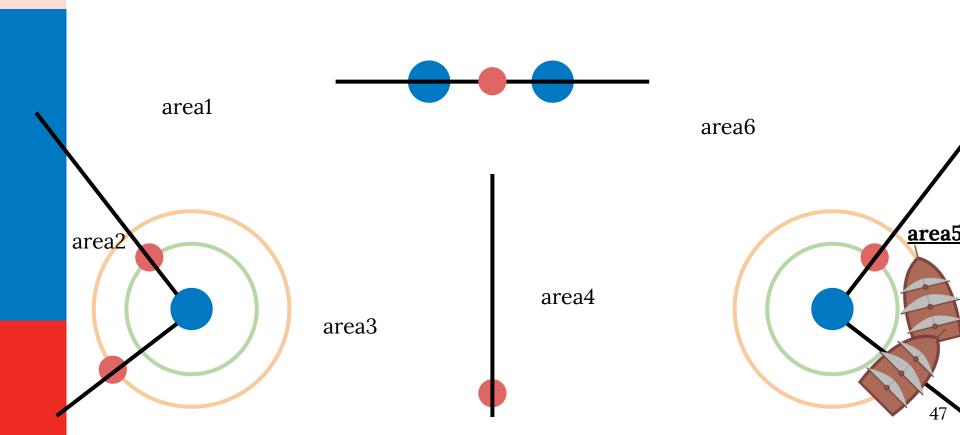




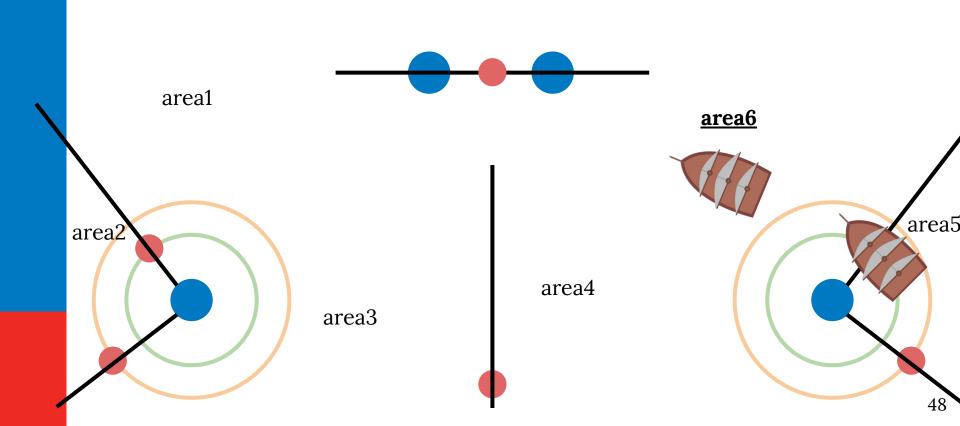




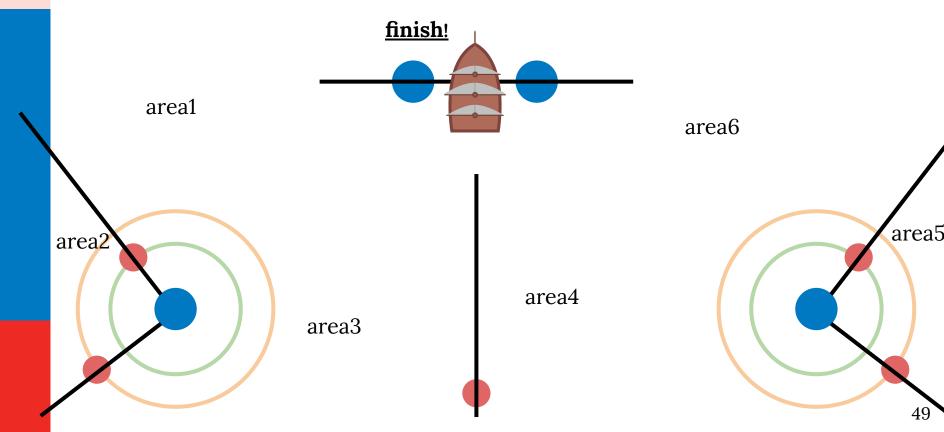




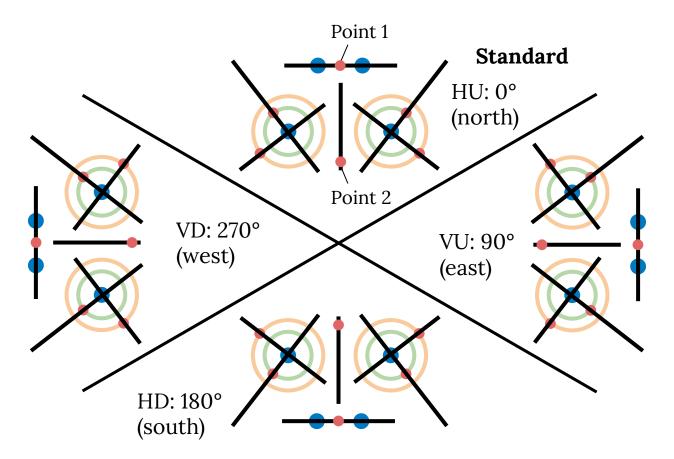




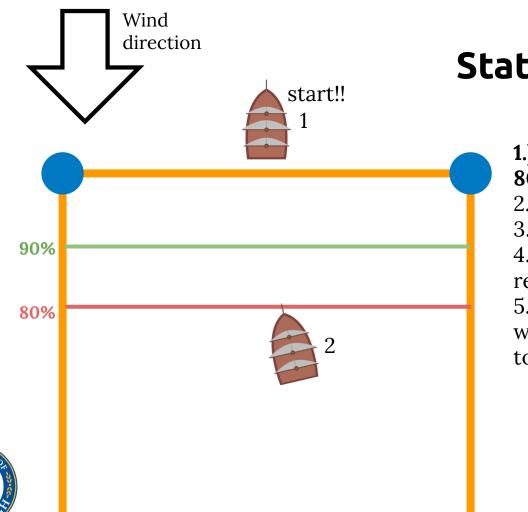




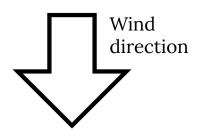
Precision Navigation: Dynamic Orientation

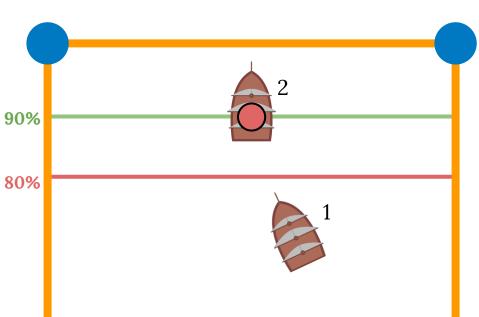






- 1.) initial start: wait till fall behind 80%
- 2.) sail to 90%, until at 90%
- 3.) set sail flat
- 4.) if behind 75%, go to step 2, repeat
- 5.) if at certain time (70% done with the 5mins), find closest point to run

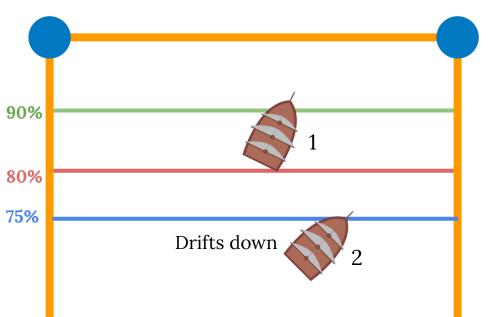




- 1.) initial start: wait till fall behind 80%
- 2.) sail to 90%, until at 90%
- 3.) set sail flat
- 4.) if behind 75%, go to step 2, repeat
- 5.) if at certain time (70% done with the 5mins), find closest point to run



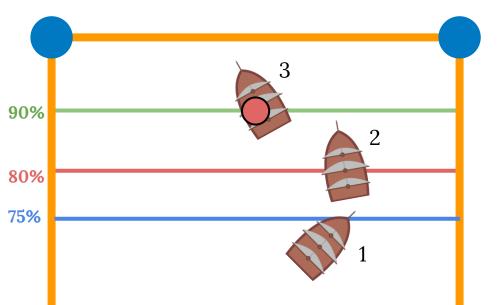




- 1.) initial start: wait till fall behind 80%
- 2.) sail to 90%, until at 90%
- 3.) set sail flat
- 4.) if behind 75%, go to step 2, repeat
- 5.) if at certain time (70% done with the 5mins), find closest point to run

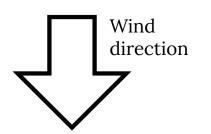


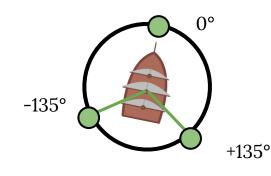




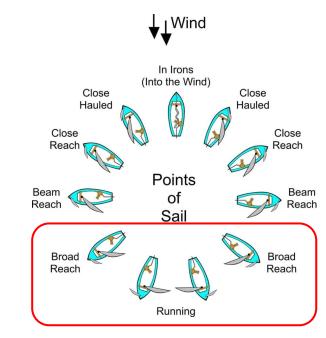
- 1.) initial start: wait till fall behind 80%
- **2.)** sail to 90%, until at 90%
- 3.) set sail flat
- 4.) if behind 75%, go to step 2, repeat
- 5.) if at certain time (70% done with the 5mins), find closest point to run



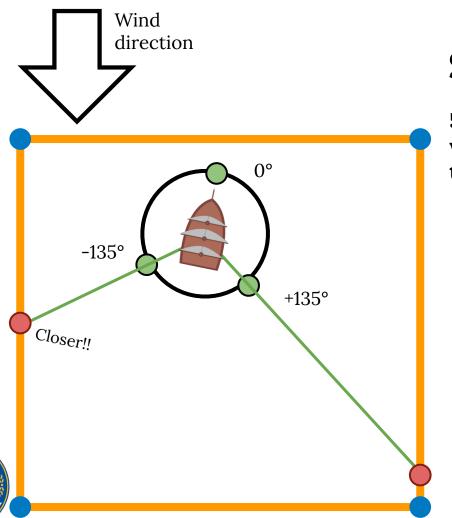




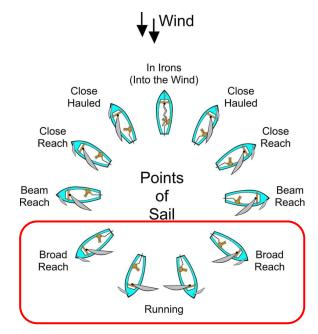
5.) if at certain time (70% done with the 5mins), find closest point to run



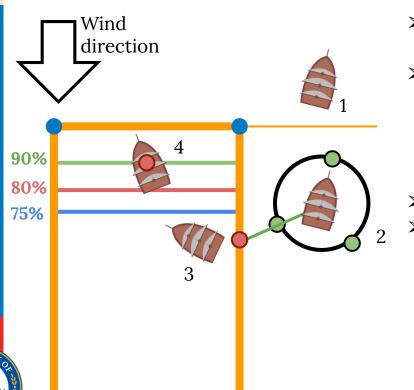




5.) if at certain time (70% done with the 5mins), find closest point to run



Station Keeping: Fail-Safe



- What if it runs outside of box during the event?
- Ordered in list of most important operations
 - Above/Down
 - Already handled
 - o Left/Right?
- Return to normal operations
 - Line checking similar to Precision Navigation

Station Keeping: Orientation



