

SEARCH PATTERNS (PRECISION) – ALL PLATFORMS



Select one: CS / PS / TSN / TSR

EVALUATION CRITERIA

Given a SAR scenario with a SAROPS search pattern summary sheet (or equivalent) listing Commence Search Point (CSP) and turn positions, execute a search pattern.

For drill purposes:

- Complete minimum of three major axis search pattern legs. (CS & PS only)

A drill will automatically be deemed unsatisfactory if any of the following conditions are met:

- Jeopardizing safety of passengers and crew (ie. kill switch, jewelry, etc.)
- Unsafe operation or navigation of the boat
- Failure to wear and use serviceable crew safety and survival equipment
- Failure to use applicable operational risk management and updating as necessary

All steps with an **(S)** must be performed.

PREPARATIONS

Brief crew on initial SAR check sheet items. : Pattern / CSP / Speed / # Lookouts / Obj /

Assign lookouts, coordinate their areas of responsibility, and provide target description. **(S)**

If platform has dual steering stations, use the exposed station.

Open windows/Roll-up weather curtains (if installed), as necessary.

SEARCH PATTERN EXECUTION

Advise unit/Operational Commander of on scene WX and start time of pattern.

Operate vessel IAW Navigation Rules & Regulations (lights, sound signals, etc.). **(S)**

Electronic Navigation System:

- (1) Display set per Command Navigation Standards. **(S)**
- (2) Enter CSP. **(S)**
- (3) Enter turn points. **(S)**
- (4) Activate the route. **(S)**
- (5) Use XTE, SOG and ETA functions.
- (6) Verify fix position IAW Command Navigation Standards zones & intervals. **(S)** *CG Sta has it*

RADAR:

- (1) Tune/Adjust RADAR for conditions.
- (2) Proper use of radar to determine risk of collision IAW Navigation Rules & Regulations. **(S)**
- (3) Display waypoint information on radar screen.

Provide ETA to complete pattern. **(S)**

Start search within 100 yards of CSP. **(S)**

Complete turns within 50 yards of programmed/plotted positions. **(S)**

Adjust course and speed to stay on track line. **(S)**

Update remaining ETA, if necessary, prior to the start of the last leg. **(S)**

Complete pattern +/- 5 min. of ETA. **(S)**

Keep Unit/Operational Commander advised of status and completion of pattern.

Use illumination without compromising night vision (if at night).

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COMMENTS