## Sector & Expanding Square

Distress position is known within close limits and search area is not extensive

First leg is run in the direction of the current starting at the CSP

#### **Track Spacing &/or Sweep width**

Person in the water (PIW) .1 NM ~ 600 ft or 200 yds

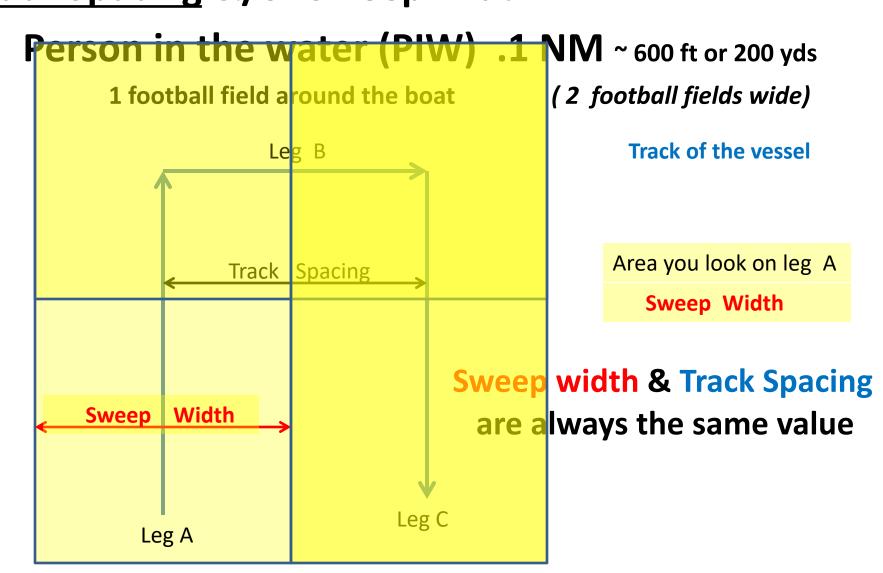
1 football field around the boat

(2 football fields)

Object <15 ft ½ NM

Object >15 ft 1 NM

# Sector & Expanding Square Track Spacing &/or Sweep width



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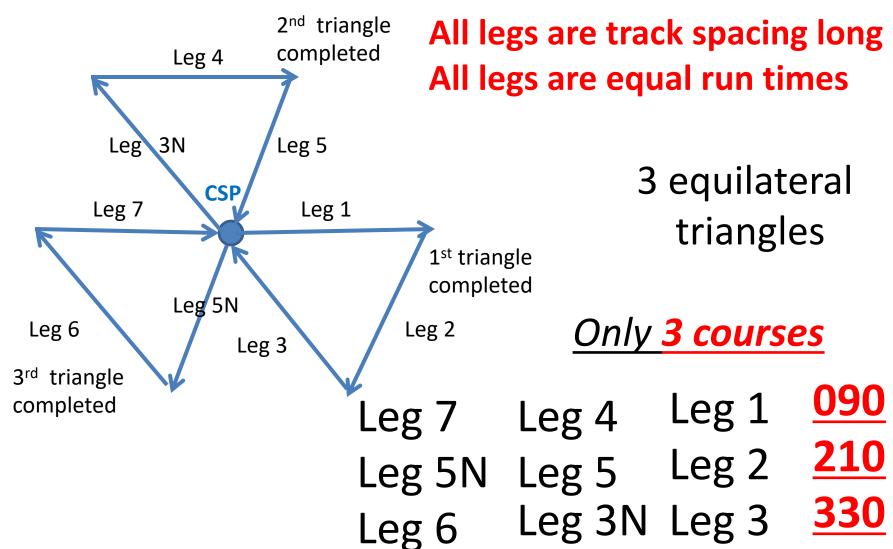
Object <15 ft ½ NM

Object >15 ft 1 NM

All Turns are 120 deg to the right (3 equilateral triangles)



120 deg turns to the right



- 1. CSP (starting point is Sally Rocks Buoy)
- 2. Current is 220 deg ~ Track spacing .1 NM Length of each leg

Speed of your vessel is 6 kts.

Turn time 10 sec. ~ take ½ the time out of each leg

3. You start your search pattern at 1800

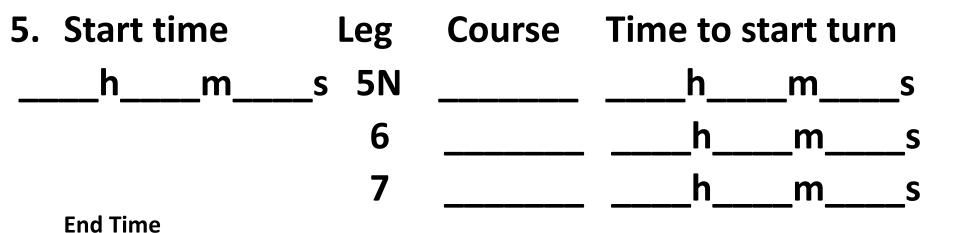
4. Start time			Leg	Course	Time to start turn		
18h	00m	<b>00</b> s	1		h	m	s
			2		h	m	s
			3		h	m	S

## End of 1st triangle

- 1. CSP (starting point is Sally Rocks Buoy)
- 2. Current is 220 deg ~ Track spacing .1 NM Speed of your vessel is 6 kts. ~ Turn time 10 sec.
- 3. You start your search pattern at 1800

#### End of 2<sup>nd</sup> triangle

- 1. CSP (starting point is Sally Rocks Buoy)
- 2. Current is 220 deg ~ Track spacing .1 NM Speed of your vessel is 6 kts. ~ Turn time 10 sec.
- 3. You start your search pattern at 1800

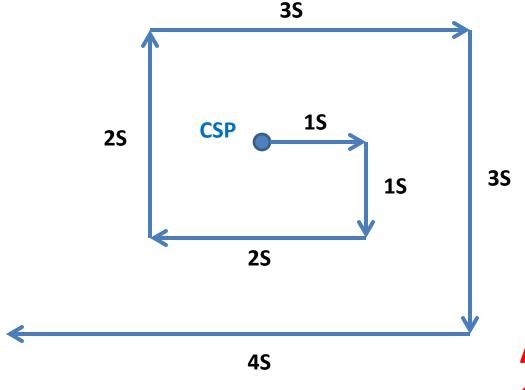


## End of 3rd triangle

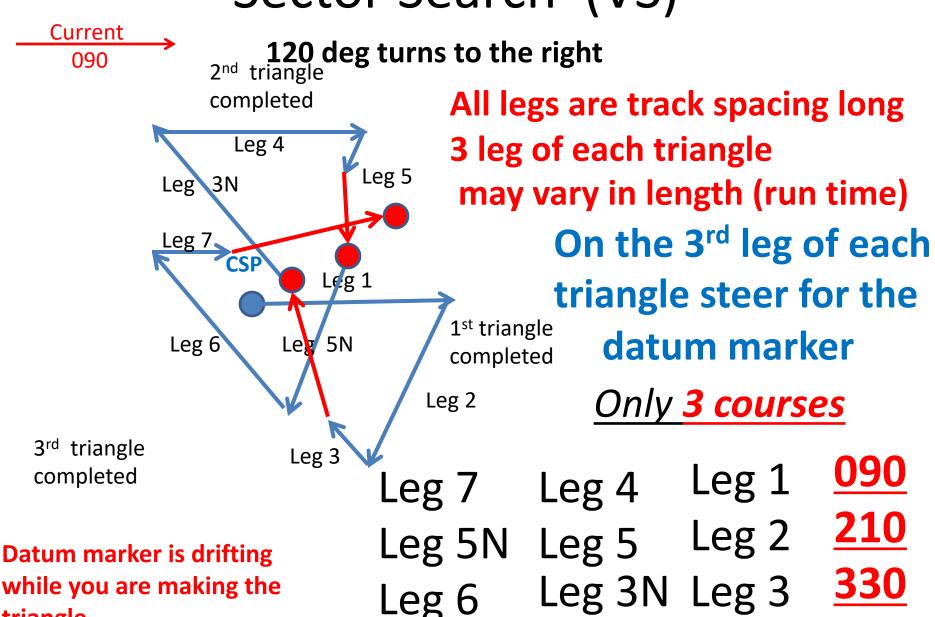
## **Expanding Square (SS)**

current

Track Spacing &/or Run Time = **S** 



All turns are 90 degree right turns



triangle

- 1. CSP (starting point is Sally Rocks Buoy)
- 2. Current is 220 deg ~ Track spacing .1 NM Speed of your vessel is 6 kts. ~ Turn time 10 sec.
- 3. You start your search pattern at 1800

#### End of 2<sup>nd</sup> triangle