

Check (Echelon) Turn Parameters

60:1 Rule

60° = 1 nm

1 nm ≈ 2000 yds

x° = Check Turn Intercept Angle

$$\frac{60^\circ}{x^\circ} = \frac{2000}{?} \quad \text{or} \quad ? = \frac{(2000)x^\circ}{60^\circ}$$

example: briefed check turn is 30° of bank and 20° heading change.

$$? = \frac{(2000)20^\circ}{60^\circ} = 666 \text{ yds/nm}$$

Cheat Zone @ 100 yds / nm

- 2000 yds (1 NM)
- 1000 yds (.5 NM)

Cheat Zone @ 200 yds / nm

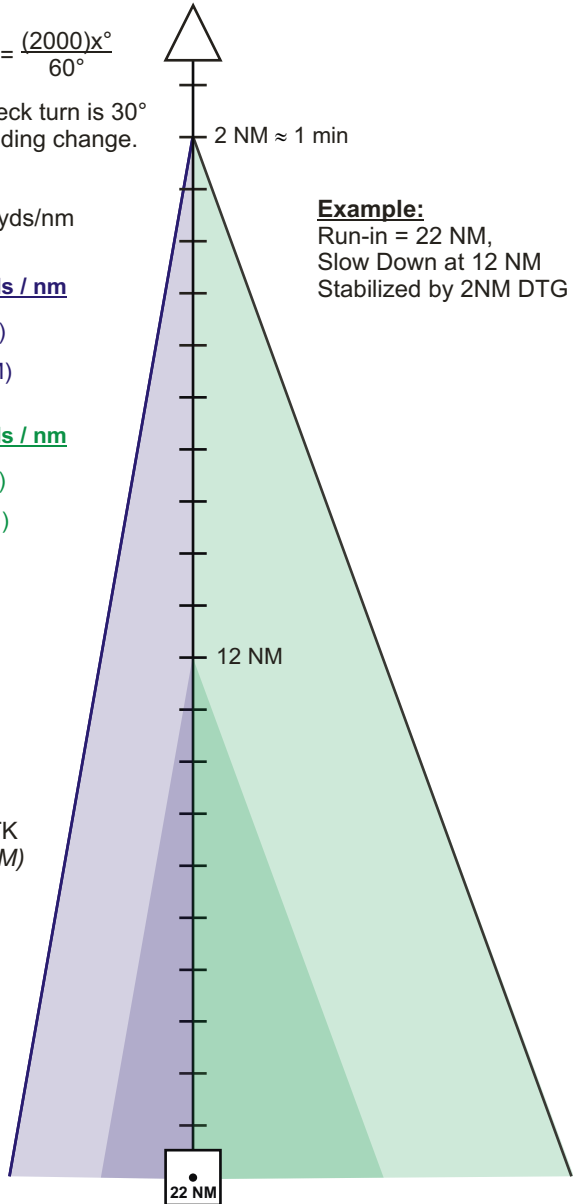
- 4000 yds (2 NM)
- 2000 yds (1 NM)

Corrections Outside the Cheat Zone

- 10° = 333 yds/nm
- 15° = 500 yds/nm
- 20° = 666 yds/nm
- 30° = 1000 yds/nm

Rollout

Call @ 500yd XTK
 Roll @ 300-400 yd XTK
 (Each 100yds = .05 NM)



Example:

Run-in = 22 NM,
 Slow Down at 12 NM
 Stabilized by 2NM DTG