# MAFC AutoPilot Navigation: Quick Checklist
## FOGLAN
Checklist when Beginning A/P Navigation on a Direct-to Course

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|---|---|
| **F** | **AutoPilot OFF:** ***Arrow:*** On/Off out, ***Archer:*** A/P ENG off |
| **O** | **OBS:** Set OBS to desired course.  For GPS, get DTK value |
| **G** | **Gyro:** Set gyro heading-bug to OBS/DTK value. |
| **L** | **Level:**  Maneuver airplane until you are about WINGS LEVEL on heading bug *(Avoids A/P induced large bank)* |
| **A** | **AutoPilot ON –  follow HDG bug:** ***Arrow:*** Rotate heading selector to HDG (pointing up)    then push On/Off to ON.  Verify HDG button is in. ***Archer:*** Press A/P ENG, then press HDG. *(A/P Gyro synch, plane should fly heading bug ±wind)* |
| **N** | **NAV:**  Rotate/Press A/P Heading selector to NAV       If < 4 mi to target, use **OMNI** (Arrow) or **APR** (Archer) |


## HOGN
Use this Mnemonic during A/P navigation when switching to a new waypoint during an existing autopilot controlled route.

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|---|---|
| **H** | **HDG:** Rotate/Press A/P Heading selector to HDG |
| **O** | **OBS:** Set OBS to new course.  GPS: get new DTK value |
| **G** | **Gyro:** Set gyro heading-bug to OBS value. *Plane may Turn* |
| **N** | **NAV:** Rotate/Press A/P Heading selector to NAV       If < 4 mi to target, use **OMNI** (Arrow) or **APR** (Archer) |

TIPS:
- Keep feet off rudder pedals when A/P is engaged.
- If A/P flying one-wing low, need rudder trim on low wing.
- Archer: Must press "TEST" button before using A/P.
- Arrow: Keep HDG toggle button "in" for above procedures
- Double check position of Nav1/Nav2/GPS switch.