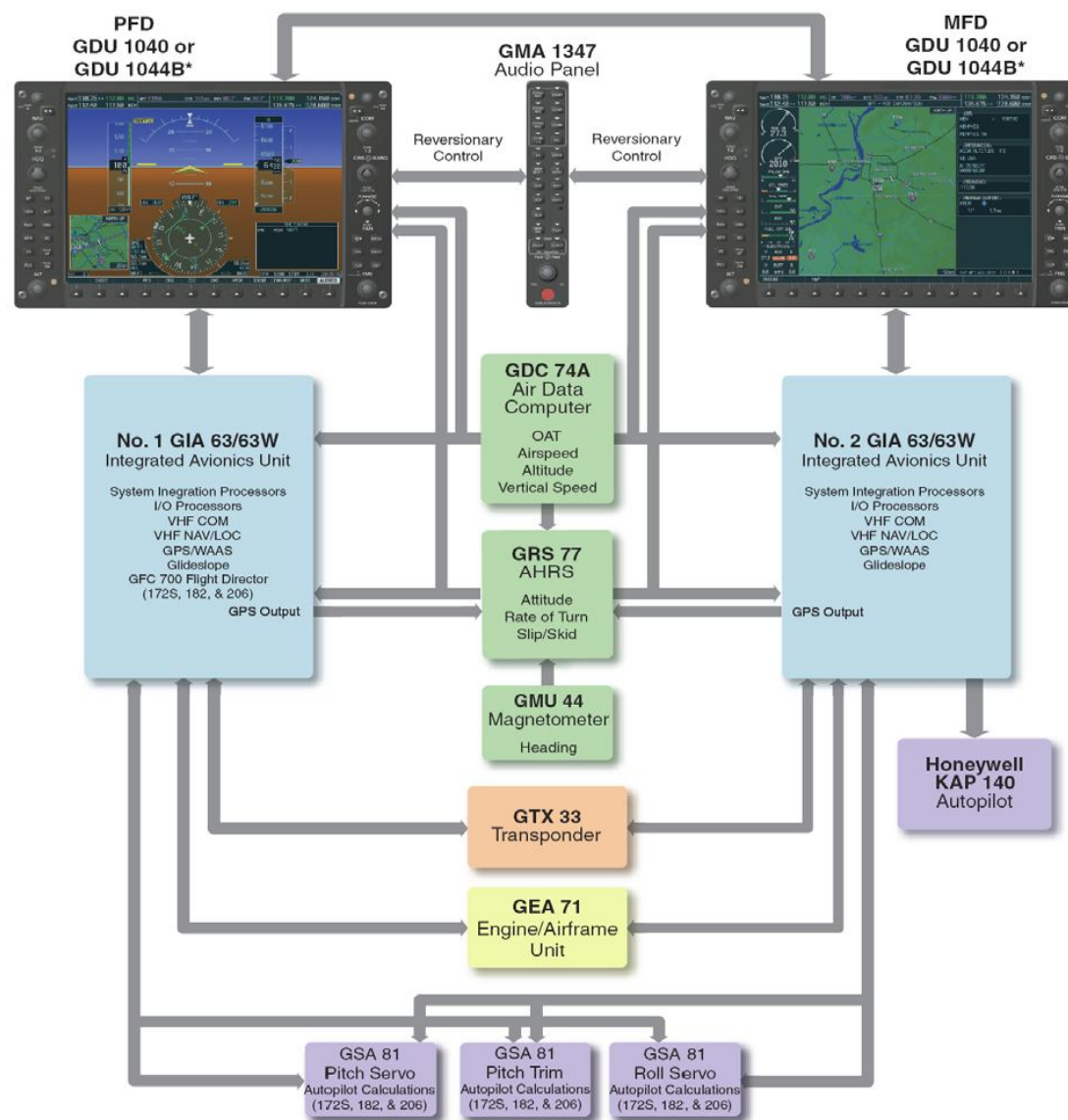


## GARMIN G1000



Пилотажно-навигационное оборудование самолета Cessna 172SP NAV III.  
Выполнил: Зарубин С.М.

## Basic G1000 System.



## ***Primary Flight Display (PFD) and Analog Counterparts.***



Пилотажно-навигационное оборудование самолета Cessna 172SP NAV III.  
Выполнил: Зарубин С.М.



## ***Primary Flight Display (PFD).***



**CYAN** - Pilot Adjustable

**GREEN** – Active/VHF

**MAGENTA** – GPS

**YELLOW** – Caution

**RED** – Warning



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## *Primary Flight Display (PFD).*

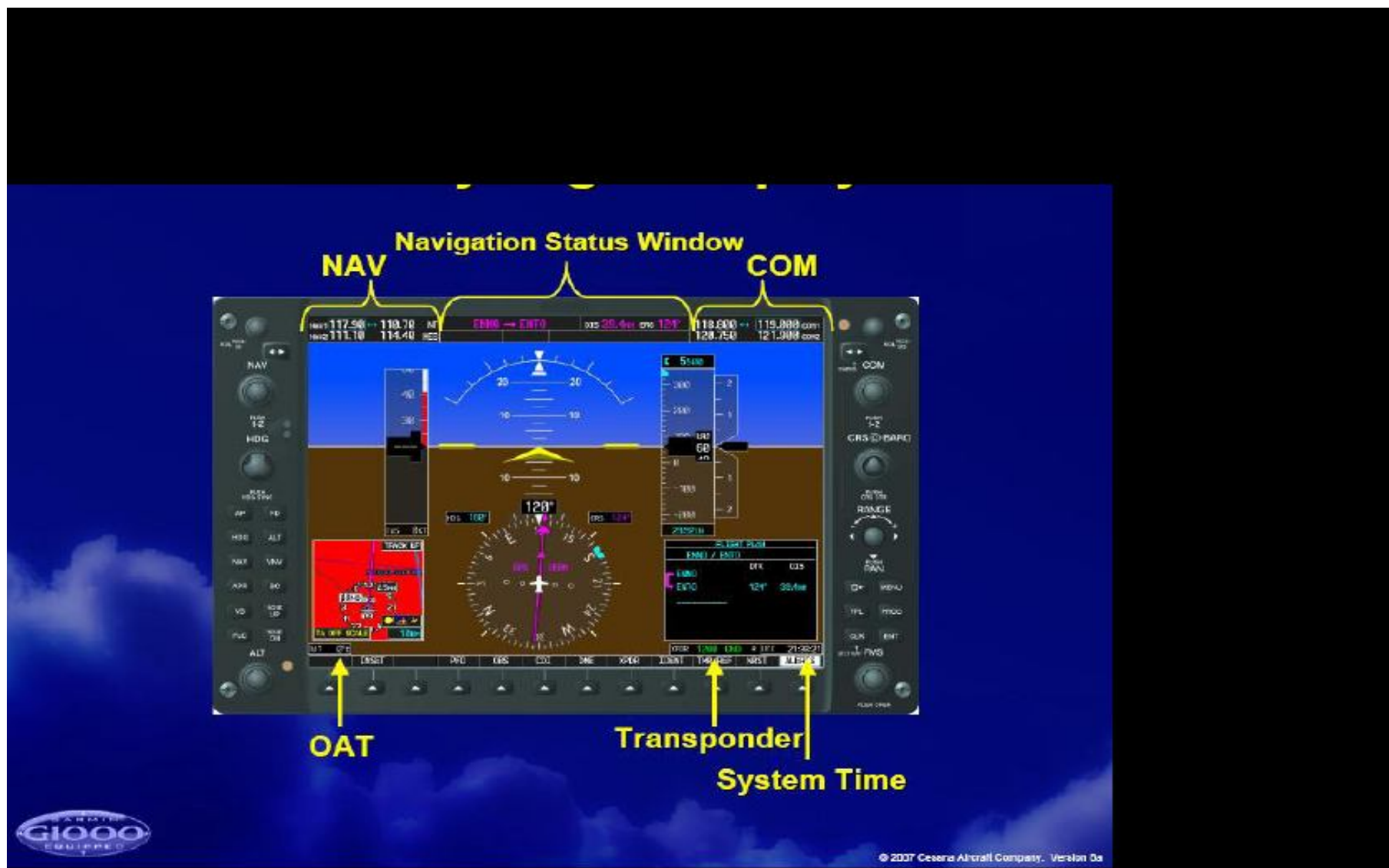


**Softkeys**

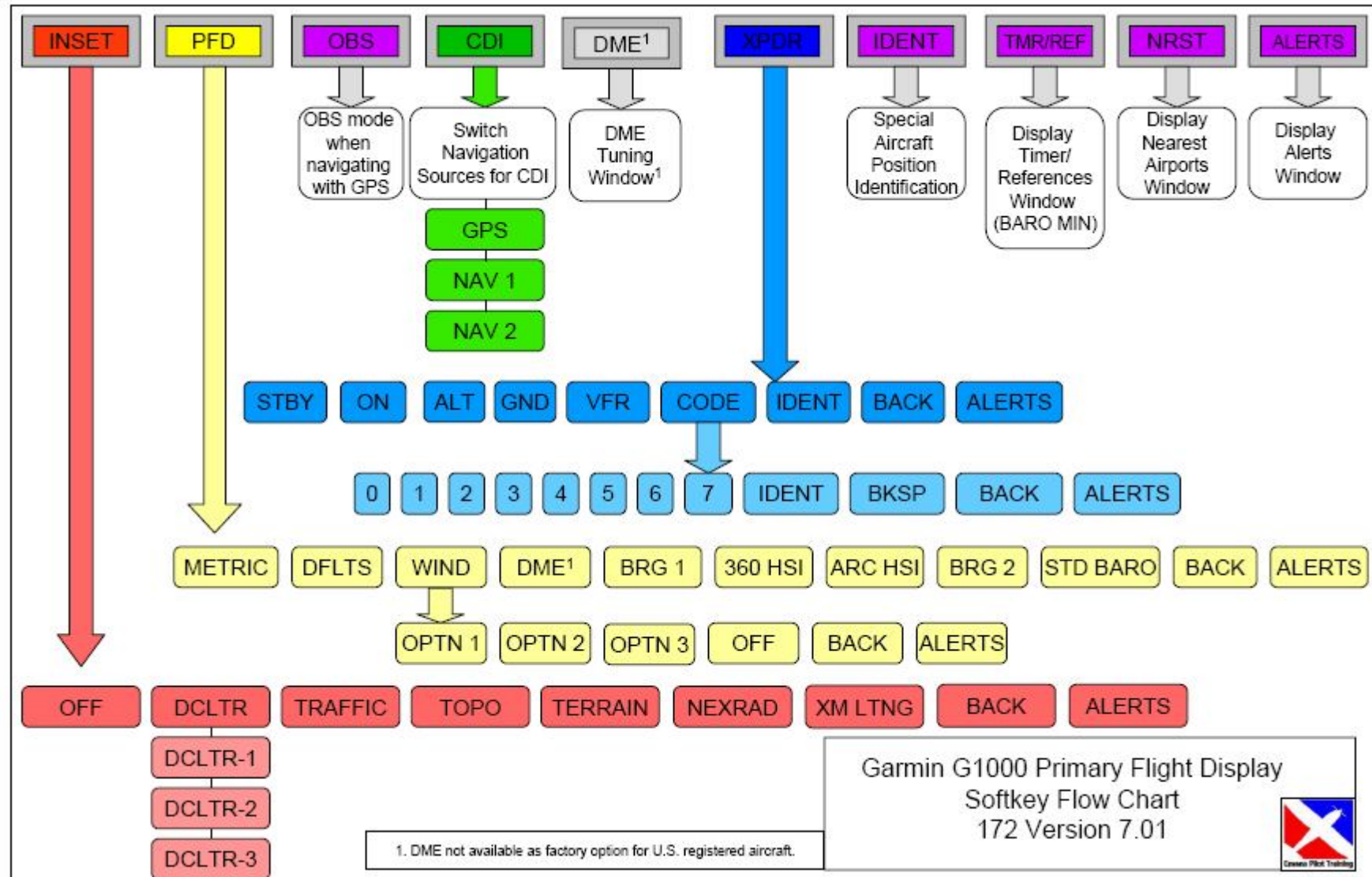


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## ***Primary Flight Display (PFD).***



## Primary Flight Display Softkey Flow Chart.





## *Multifunction Display (MFD).*

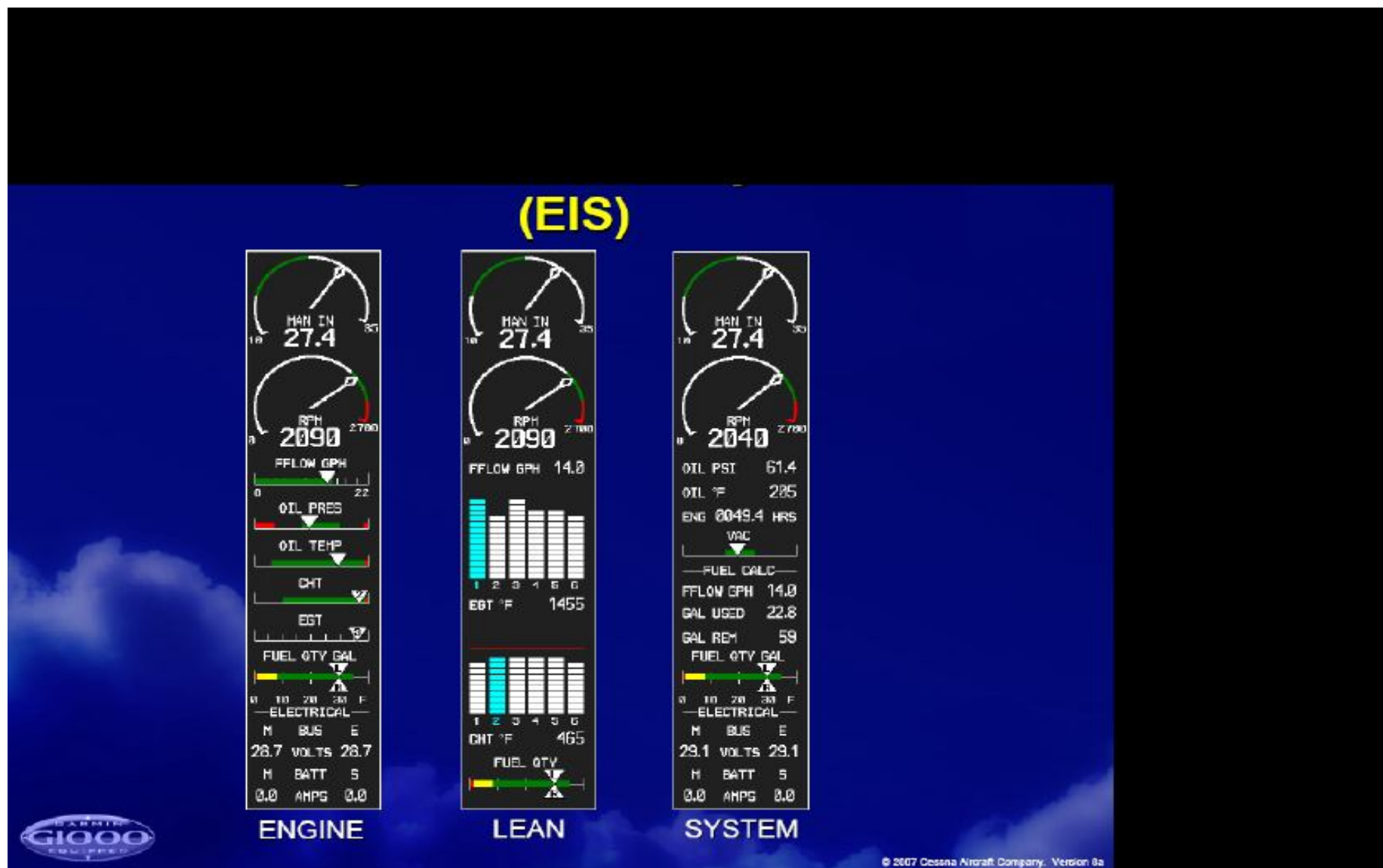




## *Multifunction Display (MFD).*



## *Multifunction Display (MFD).*



## *Audio Panel.*





## Reversionary Displays.



## ***Emergency Back-up of the Airspeed Indicator, Attitude Indicator, and Altitude Indicator.***



## ***Control Instruments.***

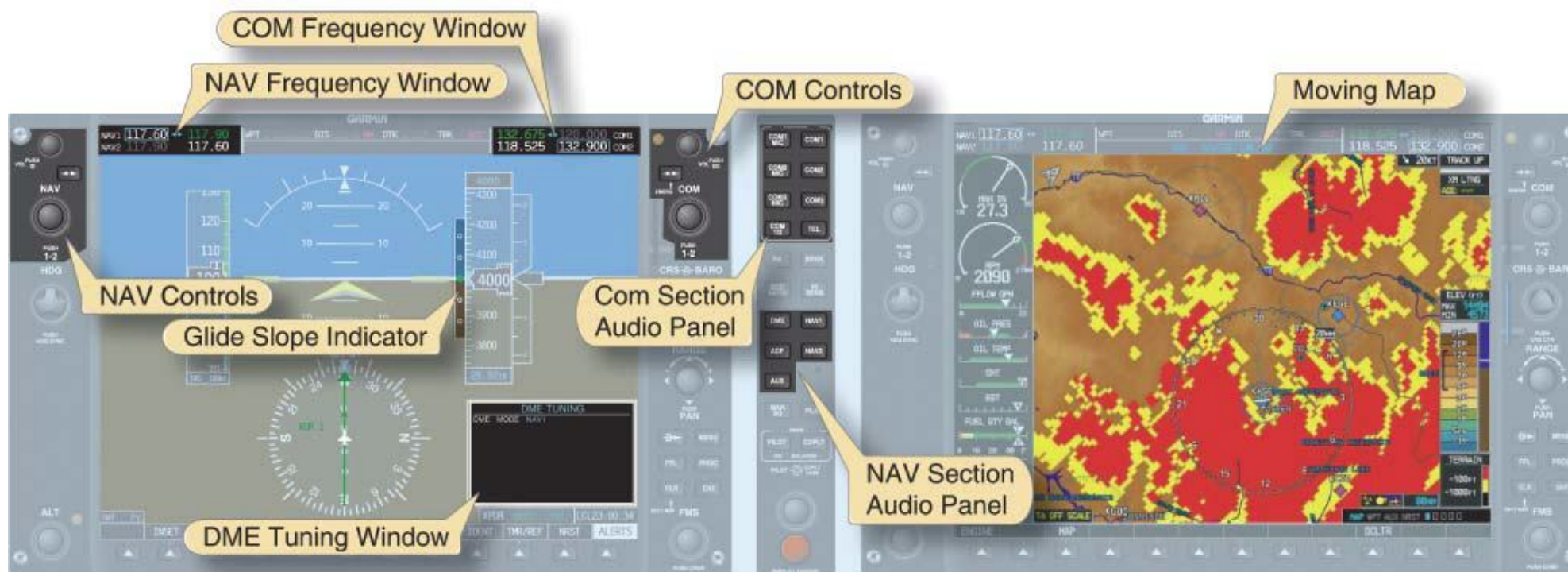




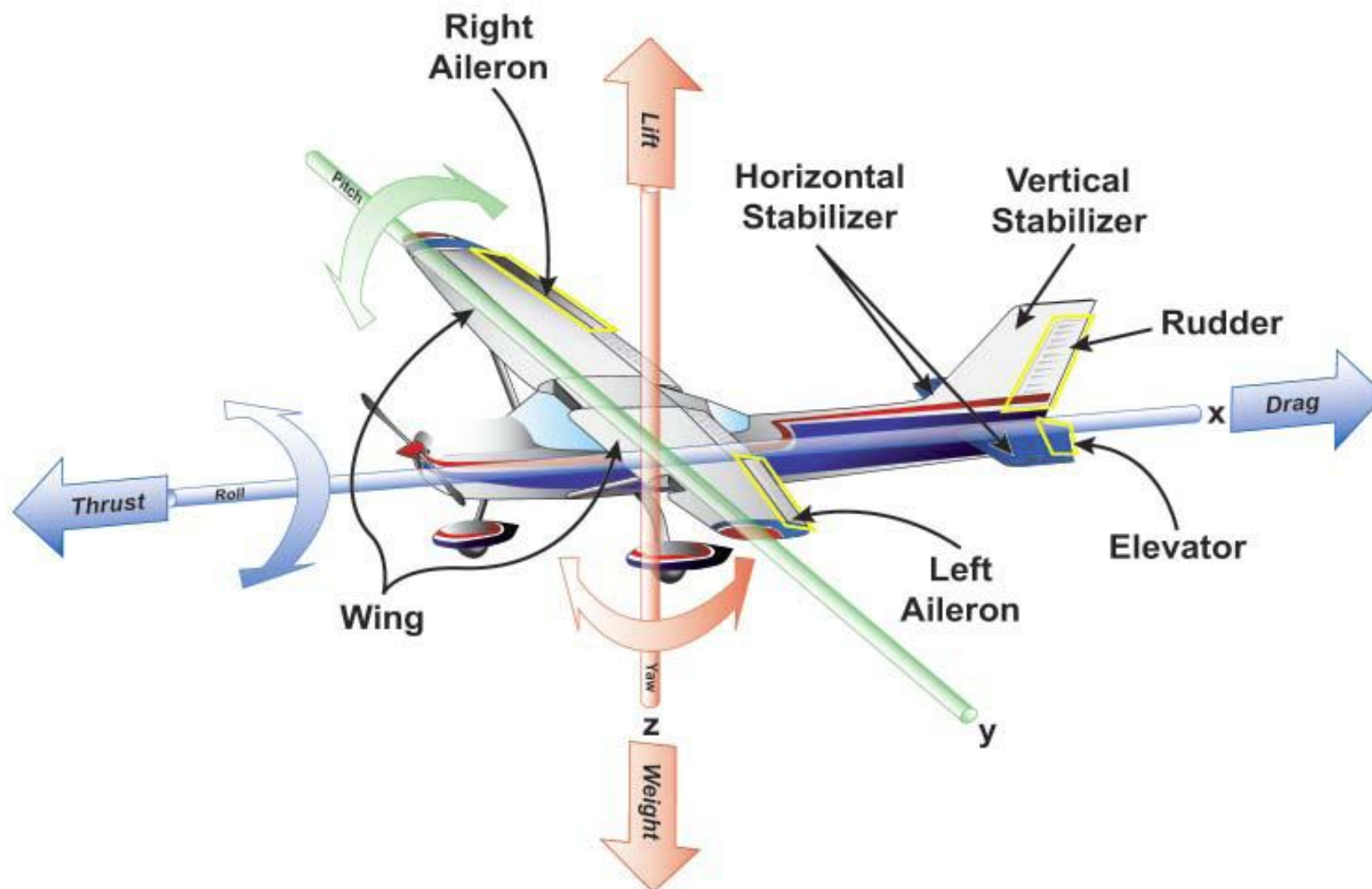
## ***Performance Instruments.***



## Navigation Instruments.

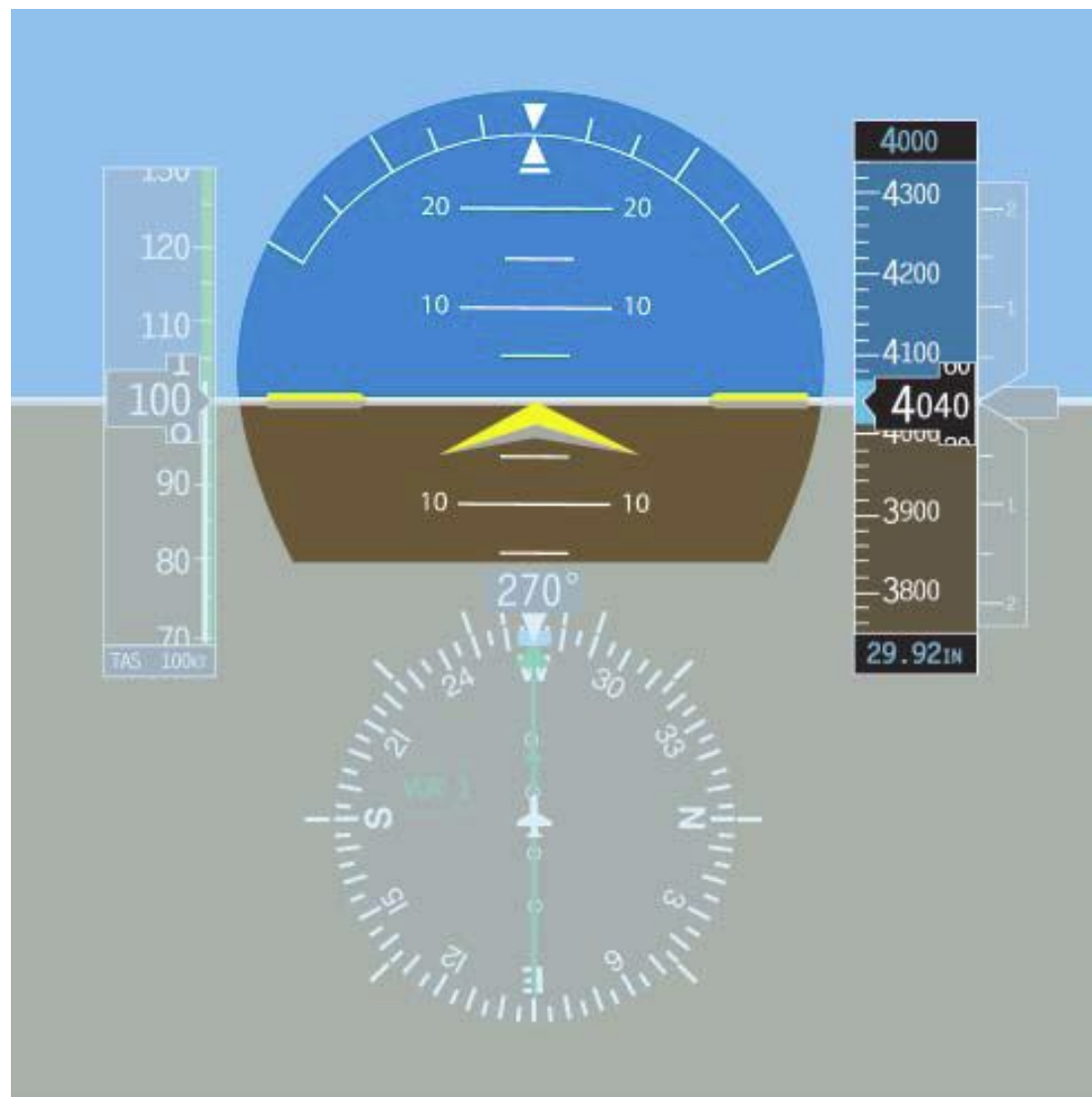


## ***The Four Forces and Three Axes of Rotation.***

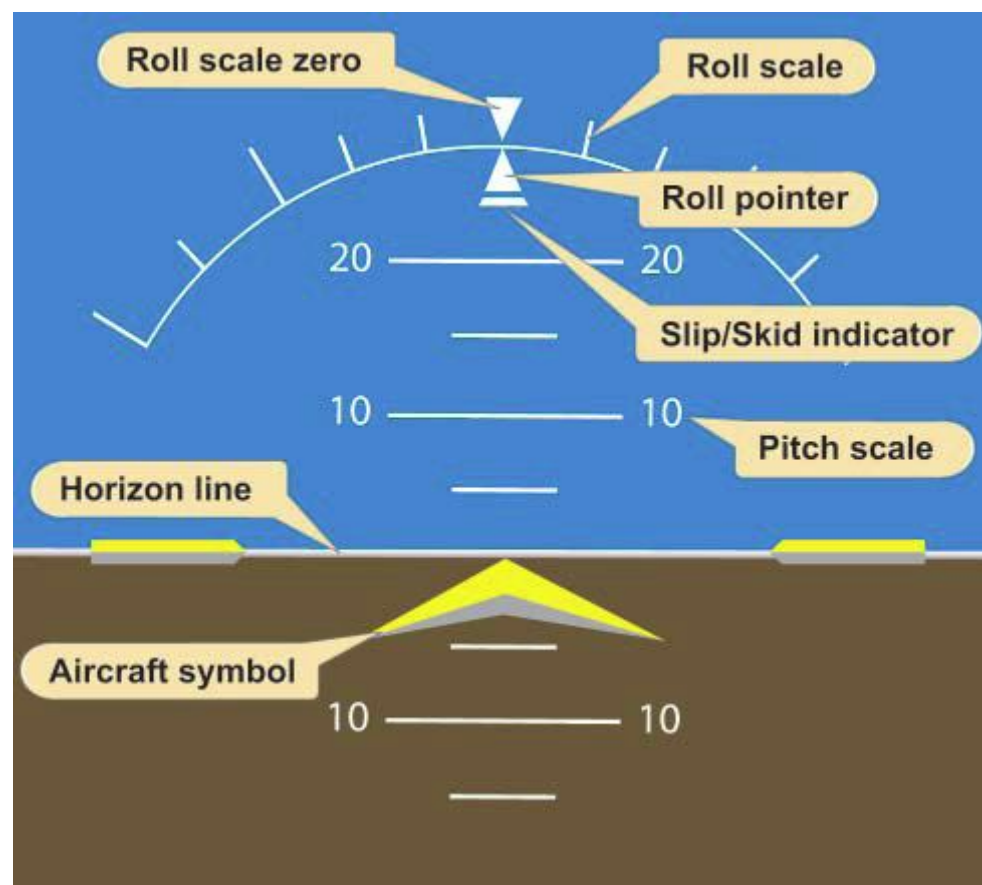




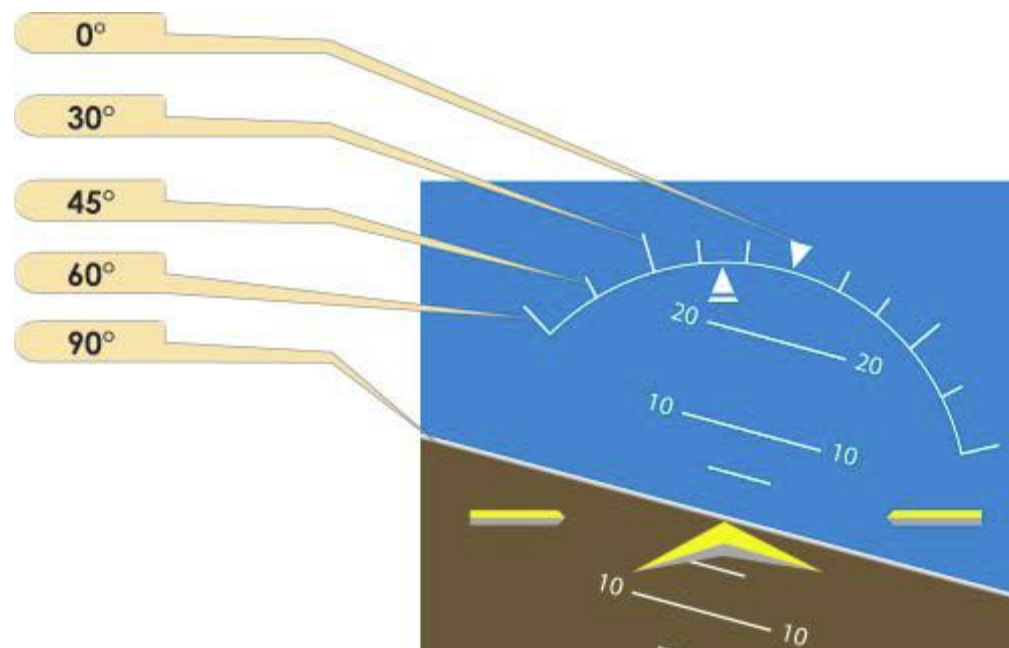
***The chevron's relationship to the horizon line indicates the pitch of the aircraft.***



### ***Attitude Indicator.***



### ***Bank Control Index Lines. Attitude Indicator Showing a 15° left bank.***



## ***Roll Pointer and Slip/Skid Indicator.***





***Primary Bank.***



## ***Pitch of the Aircraft.***



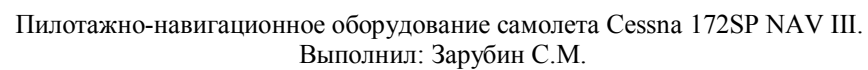
***Various Pitch Attitudes (Right), Aircraft Shown in Level Flight.***





## ***Pitch Illustrated at 10°.***





***Note that the altitude and vertical speed tapes are slightly to the right of the pilot's direct forward line of sight.***

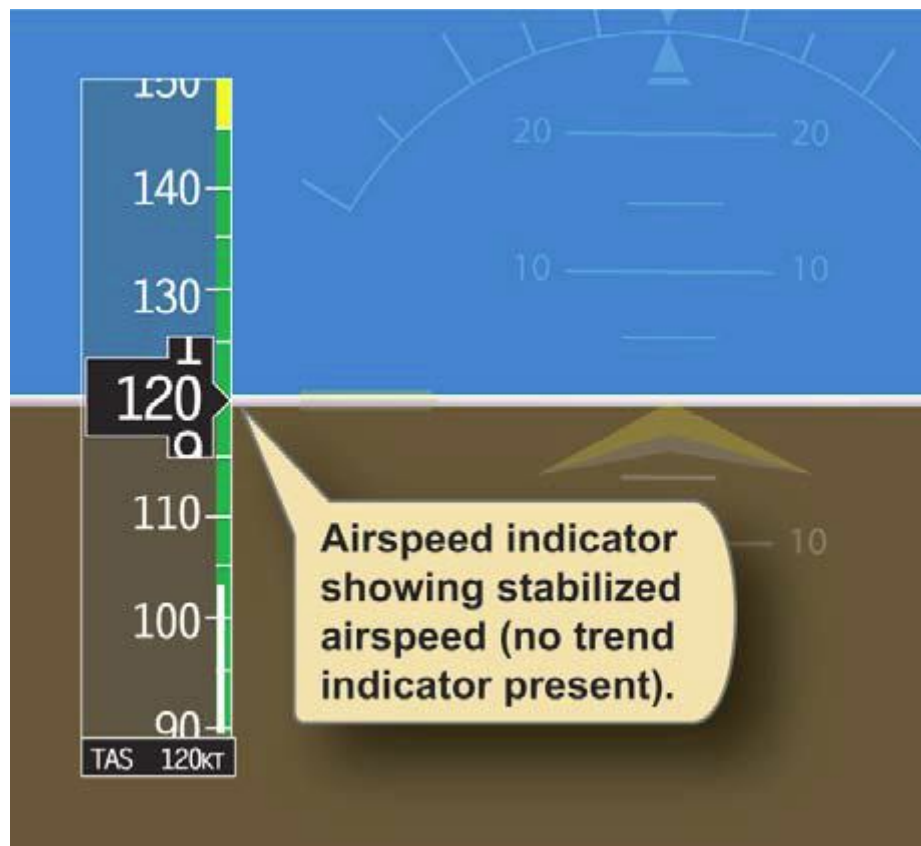


## Cross-check Supporting Instruments.

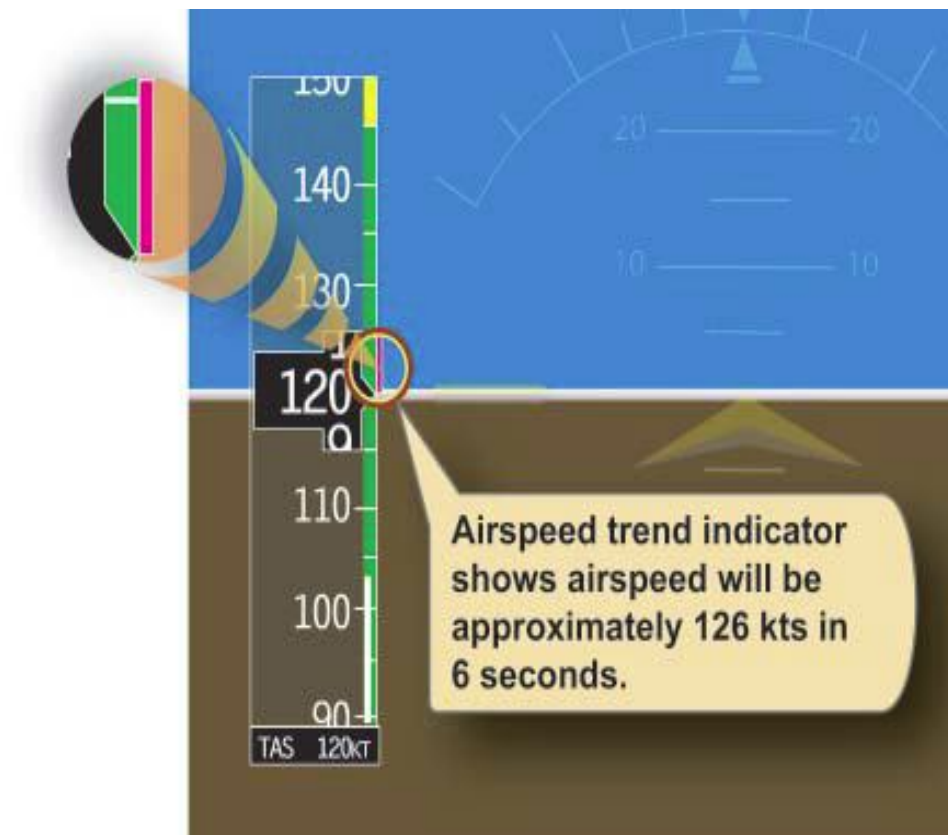




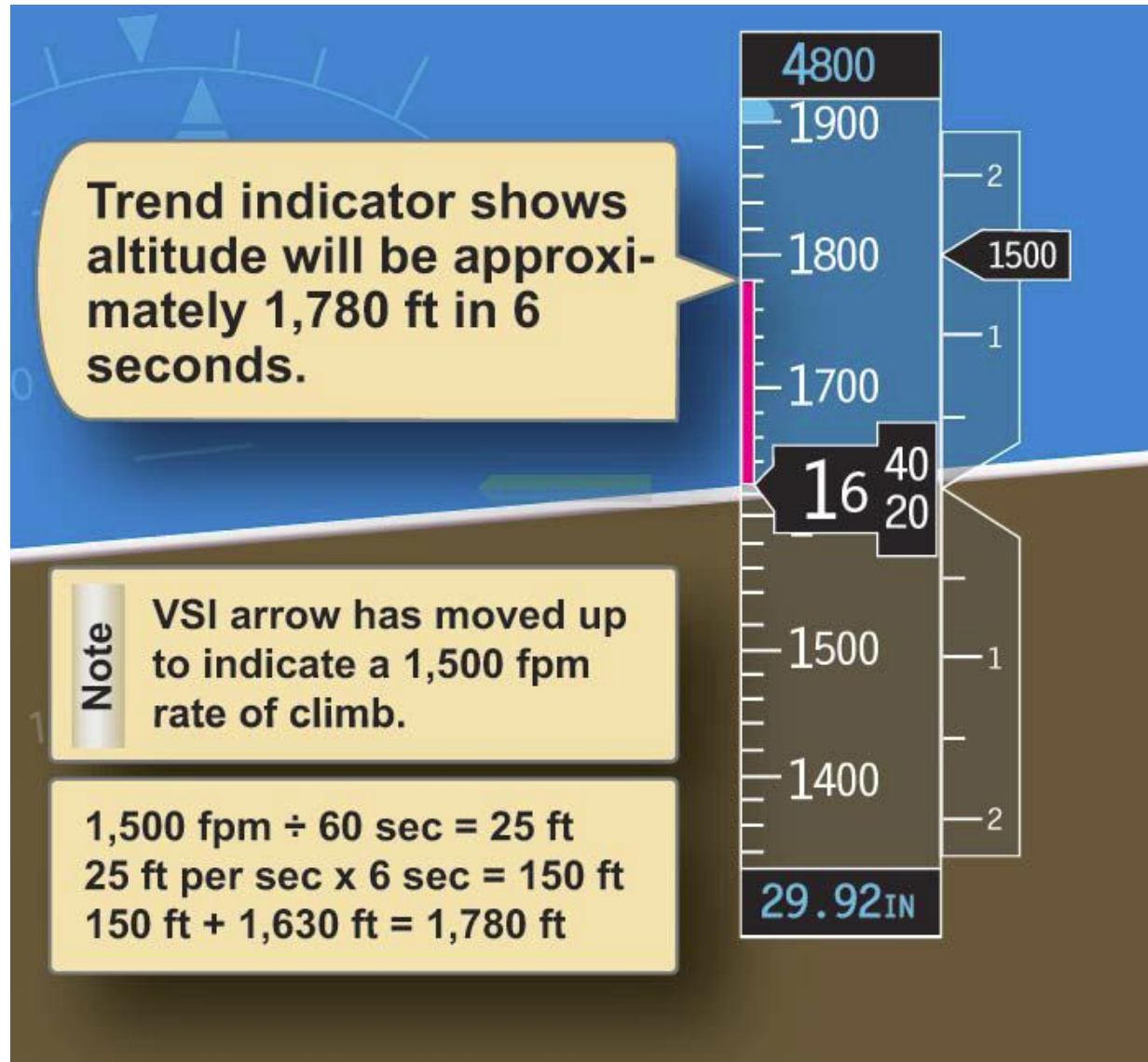
### ***Airspeed Indicators With No Trend Present.***



### ***Airspeed Trend Indicators.***



## ***Altimeter Trend Indicators.***



***Horizontal Situation Indicator (HSI) Trend Indicator Elongates Proportionally With the Rate of Turn.***



## *HSI Indicator (enlargement).*

# Indicator (HSI)





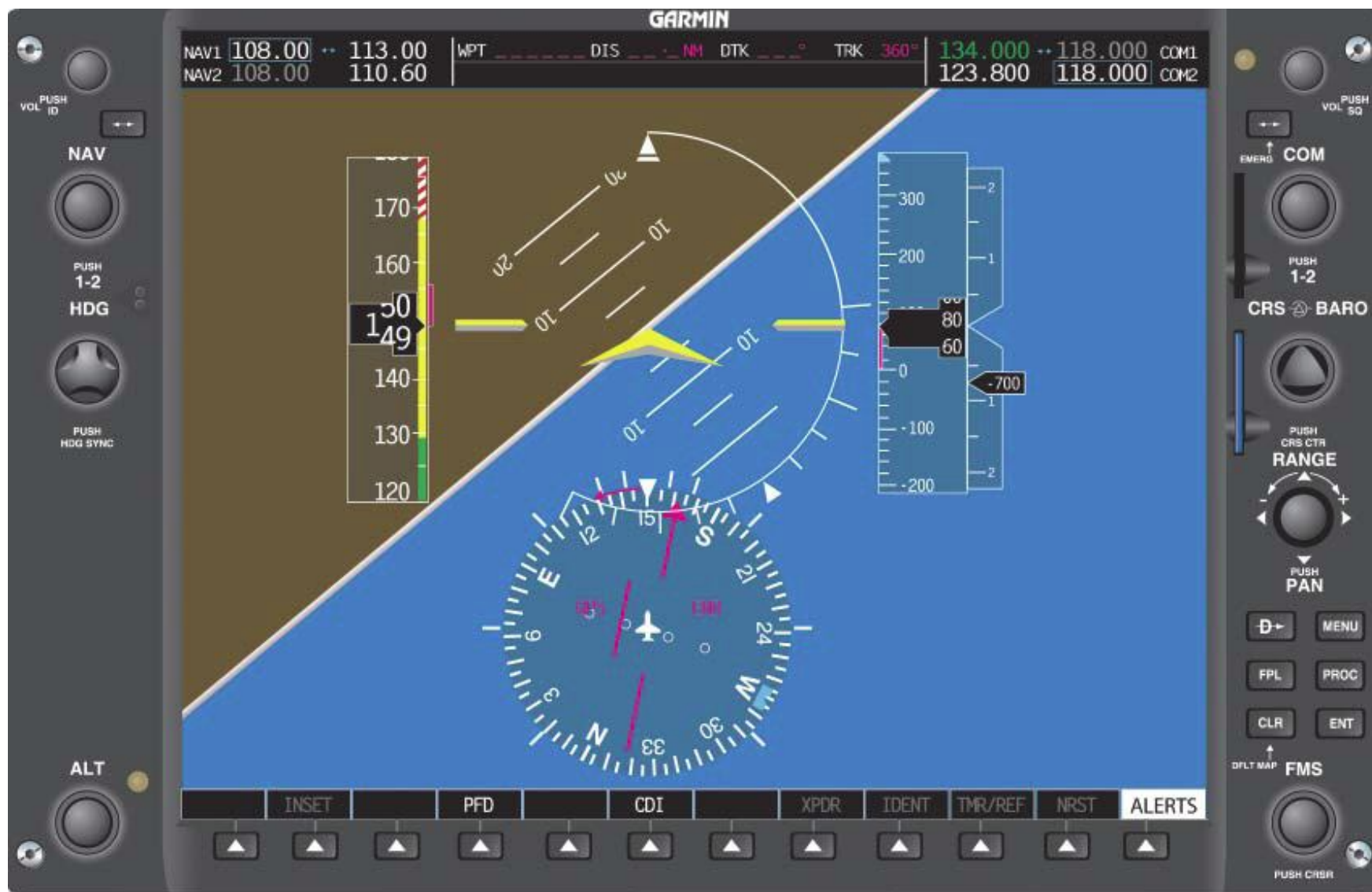
***Unusual Attitude Recovery Protection. Note the brown horizon line is visible at the bottom.***



***Horizon line starts moving upward at 27°. Note that the blue sky remains visible at 17° nose-down.***



## ***Aircraft Rolled Past 60°.***

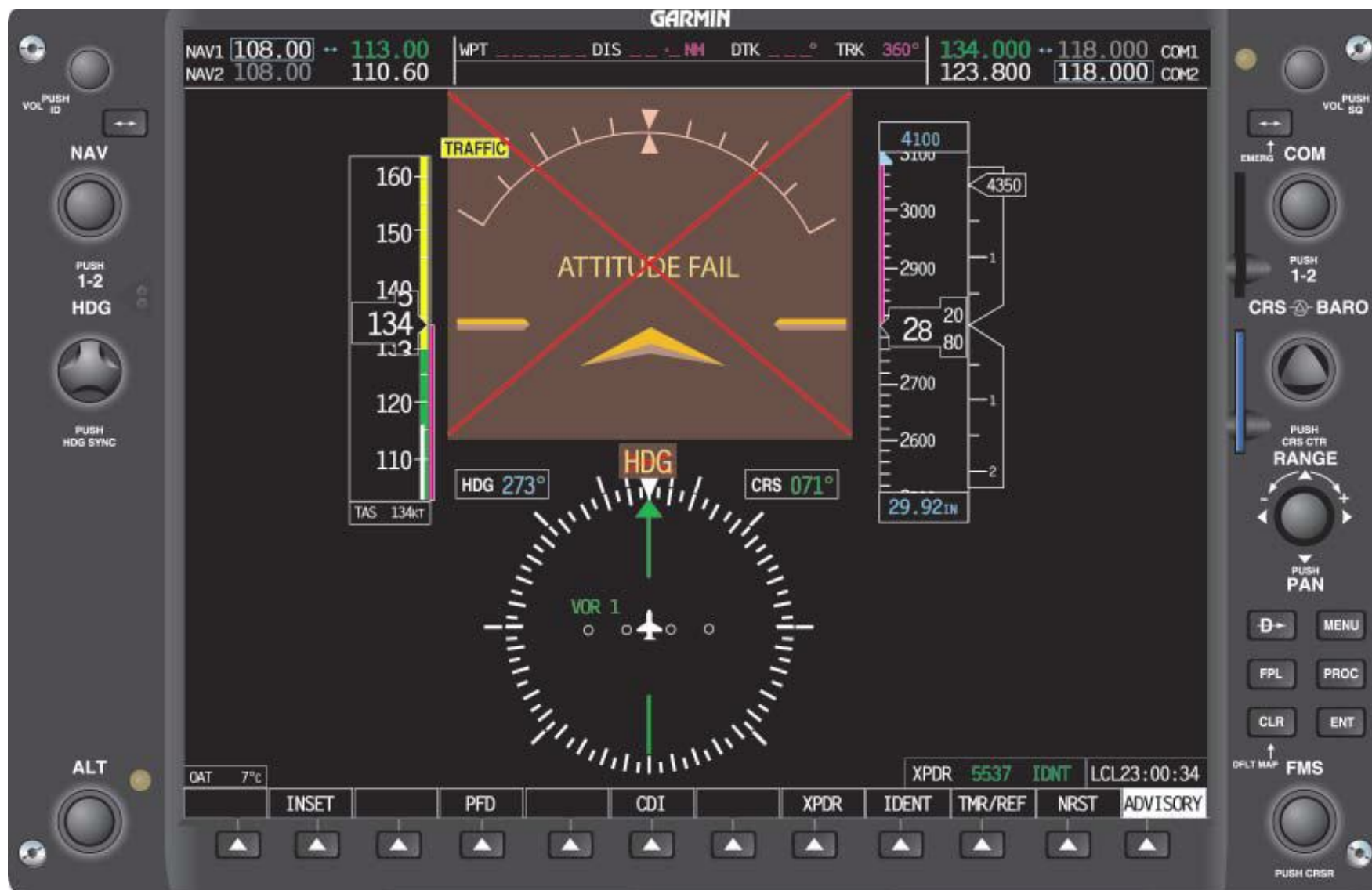


## ***Unusual Attitude Protection With Valid AHRS.***

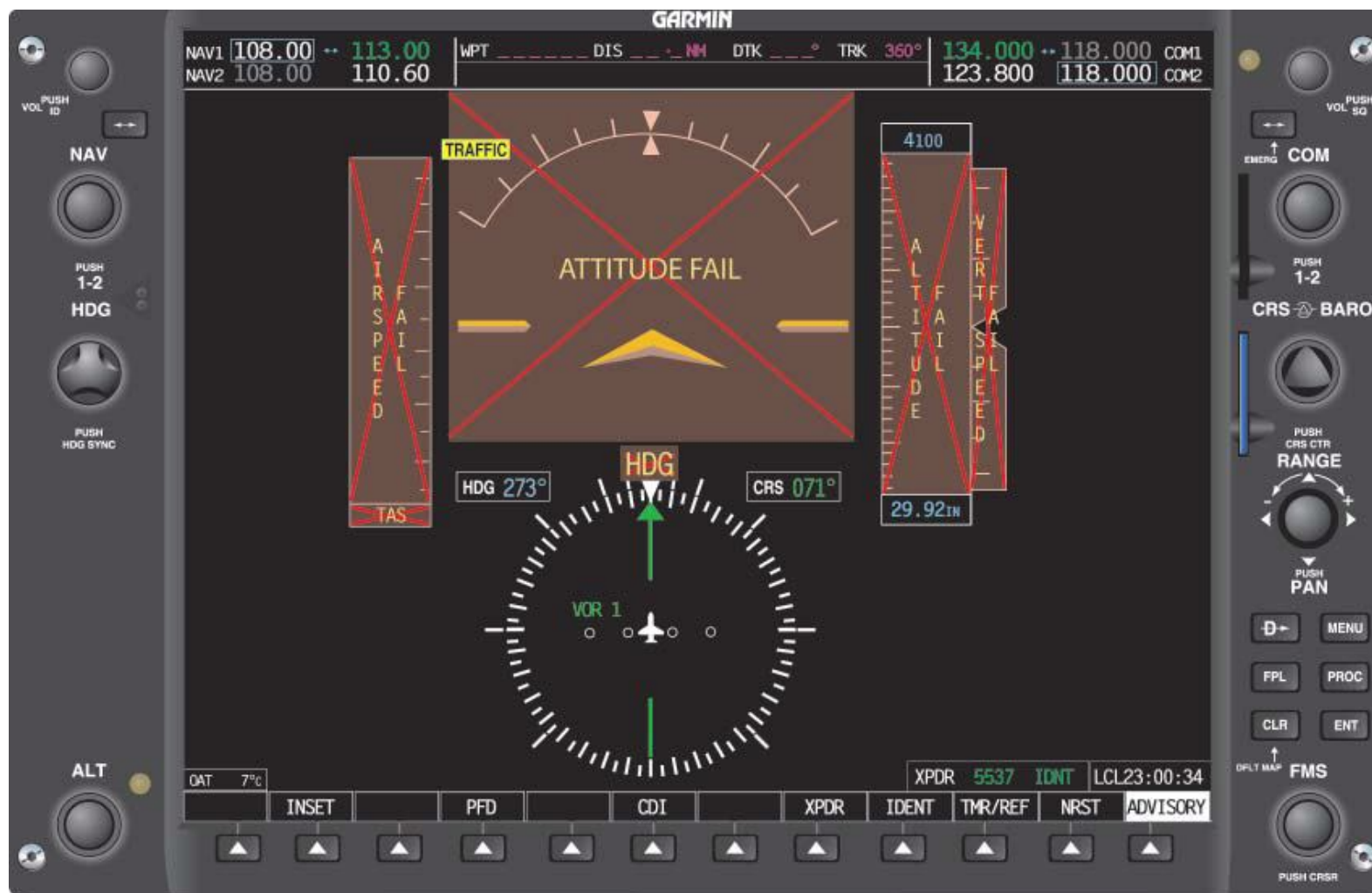




## AHRS Unit Failed.



## AHRS ADC Failure.





**THE END**