

Transition from G1000 to Steam Gauge

Syllabus
Developed by GA White
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Note: This syllabus assumes a private pilot with instrument rating that has been trained in a G1000 and who is currently proficient in flying precision and non-precision approaches to the practical test standards – actual training hours are an estimate only



Lesson 1

- Ground Overview (1 Hr)
 - Fundamental Skills
 - Cross Check
 - Interpretation
 - Control
 - Basic Instruments
 - 6 (or 7) Pack
 - Primary/Supporting
(use charts from Indiana State)
- Flight (30 min)
 - Straight and Level
 - Level Turns
 - Cruise Climbs
 - Cruise Descents
 - Approach

Note: Simulator or BATD
may be used



Lesson 2

- Ground Overview (30 min)
 - Magnetic Compass
 - Turning Errors
 - Acceleration Deceleration Errors
 - System Failures
 - Vacuum Pump
 - Electrical System
 - Pitot/Static
 - Instrument

- Flight (1 – 1.5 Hour)
 - Heading Indicator Covered
 - S&L
 - Climbs/Descents
 - Turns
 - Low Cruise to Approach

Note: use this flight to develop presets of power



Lesson 3

- Ground (30 minutes)
 - Preflight Instrument Check
 - Review VOR
 - Tune-ID
 - Turn (OBS)
 - Intercept
 - Track
- Flight (1-1.5 Hour)
 - Preflight Instrument Check
 - AI Inoperative
 - S&L
 - Turns
 - Climbs and Descents
 - VOR
 - Intercept and track inbound and outbound radials



Lesson 4

- Ground (30 minutes)
 - Unusual Attitude Recovery – Full Panel
 - Unusual Attitude Recovery – Partial Panel
- Flight (1-1.5 hour)
 - Partial Panel (HI and AI)
 - S&L
 - Turns
 - Climbs
 - Unusual Attitude
 - Full Panel (repeat above)



Lesson 5

- Ground (30 - 60 minutes)
 - Review IPC Requirements
 - Develop Plan of Attack for IPC flight
 - Practice or IPC
 - Order of Approaches
 - Review any questions student has
- Flight (1-1.5 hour)
 - IPC IAW FAR 61.57
 - Use TSA Checklist