



## AST 3000 AATD Simulator Retrofits

For all our valued customers flying AST 3000 Simulators:  
Who will lose their grandfather certification at the end of 2014 you  
can have three options for a new up-to-date Retrofit simulator with  
the latest technology.

SimServices offers the latest innovation and technology in a Microsoft  
Lockheed Martin P3D, Upgradeable, software driven flight training  
device.



AST retrofit option 1 retrofit  
Use existing steam gauges  
adding Collins NAV/COM  
radios 430/530 GPS autopilot  
new software new visuals -  
**\$57.150**

AST 3000 retrofit option 2  
With G1000 **\$60150**



AST retrofit option 2  
With G1000 **\$60150**

AST retrofit visual window  
cutouts for monitors or  
projection  
60° 120° 180° 220° options



Optional fiberglass  
enclosure and air-  
conditioned instructor IOS  
station and computer



**AST 3000 Retrofit option 3 with the most  
popular option \$64.150**

### Option 3 Features

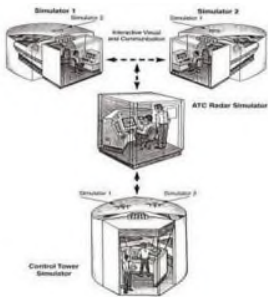
1. CRT Combination Artificial Horizon / HSI (Interchangeable Artificial Horizon/HSI, ADI /HSI, EADI/EHSI can be reconfigured from instructor's console) controlled by NAV1 Garmin 530W or NAV 2 Garmin 430
2. Glide slope localizer VOR controlled by NAV1 Garmin 530W or NAV 2 Garmin 430 or optional NAV/COM
3. Glide slope localizer VOR controlled by NAV 2 Garmin 530W or NAV 2 Garmin 430 or optional NAV/COM
4. RMI controlled by NAV1 Garmin 530 or NAV 2 Garmin 430 or ADF head for non-glass steam gauge student training
5. Autopilot Annunciator
6. Altitude select control head
7. Audio panel
8. Autopilot control head
9. Garmin 530
10. Garmin 430(optional if not wanted)
11. Transponder control head
12. DME control head
13. ADF control head
14. Collins Com/NAV controlling glide slope localizer VOR heads for non-glass student steam gauge training (optional)
15. Collins Com/NAV controlling glide slope localizer VOR heads for non-glass student steam gauge training

Optional New King Air replica seats for simulators with optional seat rails



Optional motion base seat

Low Profile Motion Seat System



### Option 3 Retrofit Includes

- Replacing all original computer boards with a PC base computer with Microsoft Lockheed Martin P3D software and visuals
- Replacing radio panel with new Collins radios, Garmin 530W/430 GPS, audio panel autopilot, marker beacons, transponder and non-directional beacon receiver and indicator.
- Reuse all existing buttons and switches, hardware.
- Right side CRT Combination Artificial Horizon / HSI (Interchangeable Artificial Horizon/HSI, ADI /HSI, EADI/EHSI
- Replacing existing visuals with one (1) 60" front monitor. OPTIONS: 180° or 220° projected OR LCD monitors. Either approach provides day and night visual plays, including all terrain, airport runway & lighting.
- CRT Tracker/Plotter- Plots horizontal-vertical-altitude track.
- Remote Instructor's console- Incorporates all instrument fault panel, wind, weather ceiling and visibility, wind shear, turbulence and instant aircraft repositioning.
- Programmable worldwide data base, Uses Microsoft Lockheed Martin P3D technology.
- Maintenance Diagnostics and computer upgrades through internet.
- 1 year warranty replacement of new software & replacement hardware.
- Customer field services available.

### FEATURE HIGHLIGHTS

#### *Retrofit will include interactive simulation technology*

Simulators are linked together.  
Each simulator pilot can see and talk to each other.

Student pilots can practice VFR maneuvers and traffic patterns with other airplanes real-time with optional 220° visuals. It's not just an IFR trainer

One instructor can work three students real-time at once, teaching and practicing VFR radio communications, IFR en route and ATC communications procedures.

Two instructors can work and teach both VFR and IFR students at the same time with interaction when connected to the Internet.

Simulators can be used to teach Emergency Maneuver Training (EMT) & UPSET maneuvers, plus wind shear and inverted flight recovery.

**Frasca Retrofit**  
Upgrade will be approved under 61&141  
FAA- AATD  
PVT-COMM-IFR- ATP-IPC & IFR RECURRENT TRAINING

*Prices shown exclude crating, shipping, taxes, duties, tariffs*

