



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

February 21, 2015

Attachment 11 – Pilot Ground Training

OPERATIONAL FACTORS

DCA15MA019

ACADEMIC TRAINING RECORD			
1. NAME <i>Siebold</i>	2. AIRCRAFT SpaceShipTwo	3. CREW POSITION <input checked="" type="checkbox"/> PILOT <input type="checkbox"/> FTE <input type="checkbox"/> Other	4. TYPE OF TRAINING <input checked="" type="checkbox"/> PIC <input type="checkbox"/> SIC <input type="checkbox"/> FTE <input type="checkbox"/> Other

Aircraft (General)	Instructor	Date	Time
1. Overview / Structure			
2. Flight controls			
a) Elevons, rudder, dampers			
b) Stab trim (primary, secondary, roll boost)			
c) Reaction Control System			
d) Speedbrake			
3. Pneumatic System			
4. Electrical System			
5. Environmental Control System			
a) Mated			
b) Unmated			
6. Landing Gear and Brakes			
7. Rocket MotorTwo System			
a) Overview			
b) CTN (general, sensors, breech detect)			
c) MOT general, fill, dump, vent, pressure relief			
d) FPT general, fill, vent			
e) RMC			
f) PSC			
8. DAS / NAV AERO (T-PAD)			
9. Avionics			
a) MFDs			
b) DAUs			
c) INS/GPS			
d) COMM / NAV radios			
e) Transponder (MFD and Remote)			
f) ADC and FADS			
g) Plan page setup and use			
h) CDI / VDI guidance – intent & limitations of during (DROP, BOOST, ENTRY, APPROACH)			
i) S.A. displays (IIP, cardioid, elephant trunk, energy – and limitations thereof)			
j) Other (specify)			
Flight Manual (POH)			
a) Operating Limitations (including the adverse effects of exceeding any limitation)			
b) Runway requirements and limitations (minimum length & crosswind limits)			
c) Performance charts (trim, Vref, etc.)			

(b)
(6)

11/26/2013

2.0 hours

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	Instructor	Date	Time
Normal Procedures	(b) (6)	1/26/2013	20 hours
a) Preflight			
b) Start / Taxi			
c) Takeoff/Climb/Cruise			
d) Glide flight flying qualities / techniques			
e) Nominal vs abort weight/CG flying/landing considerations			
f) Boost flying techniques			
g) COAST (RCS) flying qualities/techniques			
h) Feather operations (to include differences between glide and space flights)			
i)			
j)			
Emergency Procedures (discuss all in EP checklist)			
a) Ground Emergencies			
b) Takeoff Emergencies (WK2 abort scenarios)			
c) In-flight Emergencies			
d) Landing Emergencies			
e) Boldface / Memorized Action Procedures			
f) Divert considerations			
Miscellaneous			
a) Federal aviation regs (to include AST pertinent)			
b) Security / ITAR requirements			

SS2 SPACECRAFT TRAINING EVENT ACCOMPLISHMENT

Date: 14 August 2013	Instructor Stucky	Training duration (HH:MM) 03:30
Attendees: Alsbury, Mike Mackay, David Masucci, Mike Nichols, Clint Stucky, Mark Sturckow, CJ		
Training Accomplished: Review of SS2 POH		
INSTRUCTOR'S SIGNATURE --signed electronically—Mark P. Stucky		DATE 3 Sep 2013

Date: 3 September 2013	Instructor Stucky	Training duration (HH:MM) 03:10
Attendees: Alsbury, Mike; Glaser, Scott; Mackay, David; Masucci, Mike; Nichols, Clint; Stucky, Mark; Sturckow, CJ		
Training Accomplished: Review of SS2 Cautions and Warnings, telights, and emergency procedures		
INSTRUCTOR'S SIGNATURE --signed electronically—Mark P. Stucky		DATE 3 Sep 2013

SS2 SPACECRAFT TRAINING EVENT ACCOMPLISHMENT

Date: 14 August 2013	Instructor Stucky	Training duration (HH:MM) 03:30
Attendees: Alsbury, Mike Mackay, David Masucci, Mike Nichols, Clint Stucky, Mark Sturckow, CJ		
Training Accomplished: Review of SS2 POH		
INSTRUCTOR'S SIGNATURE --signed electronically—Mark P. Stucky		DATE 3 Sep 2013

Date:	Instructor	Training duration (HH:MM)
Attendees:		
Training Accomplished:		
INSTRUCTOR'S SIGNATURE		DATE

SS2 SPACECRAFT TRAINING EVENT ACCOMPLISHMENT

Date: 19 December 2013	Instructor Stucky	Training duration (HH:MM) 02:00
Attendees: Mackay, David Masucci, Mike		
Training Accomplished: In depth look at SS2 pneumatic and electrical systems, displays, and finer points of normal and emergency procedures.		
INSTRUCTOR'S SIGNATURE --signed electronically—Mark P. Stucky		DATE 19 Dec 2013

Date:	Instructor	Training duration (HH:MM)
Attendees:		
Training Accomplished:		
INSTRUCTOR'S SIGNATURE		DATE

SS2 SPACECRAFT TRAINING EVENT ACCOMPLISHMENT

Date: 3 September 2013	Instructor Stucky	Training duration (HH:MM) 03:10
Attendees: Alsbury, Mike; Glaser, Scott; Mackay, David; Masucci, Mike; Nichols, Clint; Stucky, Mark; Sturckow, CJ		
Training Accomplished: Review of SS2 Cautions and Warnings, telelights, and emergency procedures		
INSTRUCTOR'S SIGNATURE --signed electronically—Mark P. Stucky		DATE 3 Sep 2013

Date	Instructor	Training duration (HH:MM)
Attendees:		
Training Accomplished:		
INSTRUCTOR'S SIGNATURE		DATE