

Civil Air Patrol



Stan/Eval CAPR 70-1

1 September 2017



Aircraft Operations Flight Academy Video





Aircraft Operations Who's Who



- Deputy Director, Operations
- Vacant, CAP/DOV
 - Chief, Standardization and Evaluation
- Capt Susan Parson, CAP/DOV
 - Standardization & Evaluation Officer
- Col Carlton Sumner, CAP/DOT
 - Chief of Training / Balloon Prog. Mgr.
- Col Jack Buschmann, CAP/DOG
 - Glider Program Manager





How Many...

Status, Aircraft Upgrades & MX



- CAP Pilots
 - 9600+ Total
 - 2800+ Active Flyers
 - 1700+ Mission Pilots
- Powered Aircraft Fleet 551



- New planes purchased
 - 2016 19 (17 x 182T) & (2 x T206H)
 - 2017 15 (9 x 182T) & (6 x 172S)
- Consolidated MX
 - 100% of wings enrolled!
 - 52 wings/550 aircraft



How Many...

Primary Powered Aircraft Models of the CAP Fleet



Gippsland GA-8 (16)



Cessna 182 (327)



Cessna 206 (36)



Cessna 172 (172)

Cruise speed 110-135 kts Range 520-730 NM



How Many...

Gliders:

- There are 46 Serviceable gliders in the fleet
 - 29 Blanik L-23s
 - 5 Schleicher ASK21s
 - 1 Schweizer 2-32
 - 11 Schweizer 2-33s





How Much...

1 Oct-11 Aug AF Mission Flying Hour Comparison







Description	Previous Year	Current Year	Difference %
AFROTC	126.3	481.3	281.1%
Range Support	288.1	796	176.3%
DSCA/DR	1,010.3	1598.1	58.2%
AFJROTC	443.0	677.3	52.9%
Other/HLS	5,273.6	6,139.00	16.4%
Air Defense	1,144.3	1,265.70	10.6%
SAR	1,483.2	1,594.70	7.5%
SUAS (Green Flag)	1,023.9	1,099.30	7.4%
Maintenance	7,680.7	7,691.40	0.1%
Cadet Orientation	9,141.7	9,142.80	0.0%
Route Survey	605.2	526.4	-13.0%
Training	31,931.0	25,809.10	-19.2%
Drug Interdiction	6,980.1	4,634.30	-33.6%
Total AFAM Flying	67,131.4	61,455.40	-8.5%
Liaison Flying	2,024.9	1,696.8	-16.2%
Corporate Flying	19,515.0	20,730.0	6.2%
Grand Total Flying	88,671.3	83,882.2	-5.4%

The flying hour comparison is directly affected by budget constraints.



Aircraft Operations How Much...

Green Flag (Surrogate Predator Ops)

- Locations
 - GF East: Barksdale AFB, LA
 - GF West: Nellis AFB, NV
- Always looking for aircrew
- Now directly under Wings (LA / NV)
 - Standardized structures and Ops
 - Enhanced interoperability between GF East & West
- CAP Chief of Special Missions (Joe Piccotti)
 - Supports GF and other high interest programs





Pilot Professionalism

Characteristics of a Pro - Pro forma + Professional

- Personal Integrity
 - Mindset, attitude, ethics, and discipline to do the right thing every time, all the time, regardless of who's watching.
- Ready for Anything
 - Training necessary but not sufficient
 - Education how to navigate new situations
 - Risk Management proactive identification & mitigation
- On Target
 - Knowledge, Attitudes, Skills



- Use appropriate standards:
 - ACS for Private, Instrument Commercial
- Remember QA and "gatekeeper" role for CAP
- Evaluate from all perspectives:
 - Pilot knowledge
 - Pilot judgment
 - Pilot skill





Definition & integration of elements = comprehensive standard

lask	Task A. Steep Turns
References	FAA-H-8083-2, FAA-H-8083-3; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with steep turns.

Aeronautical knowledge

Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with steep turns.
Knowledge	The applicant demonstrates understanding of:
DAVAK1	Purpose of steen turns

PA.V.A.K2 Aero dynamics associated with steep turns, to include: a. Coordinated and uncoordinated flight PA.V.A.K2a PA.V.A.K2b Overbanking tendencies PA.V.A.K2c Maneuvering speed, including impact of weight changes PA.V.A.K2d PA.V.A.K2e e. Rate and radius of turn PA.V.A.K3 Altitude control at various airspeeds

Know

Aeronautical decision-making and special emphasis

Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.V.A.R1	Failure to divide attention between airplane control and orientation.
PA.V.A.R2	Collision hazards, to include aircraft, terrain, obstacles and wires.
PA.V.A.R3	Low altitude maneuvering/stall/spin.
PA.V.A.R4	Distractions, loss of situational awareness, and/or improper Task management.
PA.V.A.R5	Failure to maintain coordinated flight.

Consider

PTS-based flight proficiency

Skills	The applicant demonstrates the ability to:
PA.V.A.S1	Clear the area.
PA.V.A.S2	Establish the manufacturer's recommended airspeed or, if not stated, a safe airspeed not to exceed V _A .
PA.V.A.S3	Roll into a coordinated 360° steep turn with approximately a 45° bank.
PA.V.A.S4	Perform the Task in the opposite direction
PA.V.A.S5	Maintain the entry altitude ±100 feet, airspeed ±10 knots, bank and ±5°; and roll out on the entry heading, ±10°.



CARMIOTITA	OTTE ELLA	TIATION AIDT AND CLI	NED.
■ ANNUAL ■ ABBREVIATED		LUATION - AIRPLANE/GLII TE OF FLIGHT EVALUATION: I	DEK 5 03 29
MEMBER'S NAME (print or type) CAP			AFT MAKE & MODEL
		EXERCISED	
Susan K. Parson 363:		Description of the last of the	Nav III AFT CATEGORY & CLASS
ADDITIONAL CAP ENDORSEMENTS (Evaluator ini	tials (typed prin	cd] blanks)	
G1 000 Orientation Filet	Inst	uctor Print FLIGH	TTIME (or # of Glider Flights)
Mountain Flight Instrument Demo	Cho	k Pilot BI CE1 2310	
Turbo Aircraft		© CFII OTHE	CAP ENDORSEMENTS (list)
I ORAL DISCUSSION	SUVNP	VIII. INSTRUMENT REF MAN	EUVERS SUVN
A. Annual Online Written Exam	0000	A. Straight & Level Flight	0000
B. Review CAPR 60-1 & Supplements	0000	B. Constant Airspeed Climbs	0 0 0
C. Review Flight Release Procedures	0000	C. Constant Airspeed Descents	
D. Review CAPF9 Requirements	0000	D. Turns To A Heading	0000
E. Local Procedures	0000	E. Recovery from Unusual Fit At	
F. Emergency Procedures	0000	F. Radio Nav & Radar Services	0 0 0 0
G. Electronic Flight Bag (EFB)	0000	IX. INSTRUMENT FLIGHT PRO	
II. PREFLIGHT PREPARATION A. Certificates & Documents	0000	A. Ground Prep (WX, AC system	
B. Obtaining Weather Information	0000	B. A TC Clearance and Traffic Pr C. Holding Procedures	oceoures 0 0 0 0
C. Determine Weight & Balance	0000	D. Partial Panel Unusual Attitude	
D. Determine Weight & Datable	0000	E. Intercept & Tracking of Cours	
E. Determine Cruise Performance	0000	F. Instrument Approach Procedu	
F. Determine Landing Performance	0000	(1) Precision Approach	0 0 0 0
G. Cross-country Flight Planning	0000	(2) Non-Precision Approach.	0 0 0
H. Aircraft Systems	0000	(3) Partial Panel Approach	0 0 0 0
I. Aeromedical Factors	0000	(4) Circling & Missed Appro	ach 0 0 0
III. GROUND OPERATIONS		X. GROUND REFERENCE MA	
A. Visual Inspection	0000	A. Rectangular Course	0 0 0
B. Starting Engines	0000	B. S - Turns	0000
C. Taxiing	0000	C. Turns Around A Point	0000
D. Use of Checklist (mandatory)	0000	XI. NIGHT FLIGHT OPERATI	
E. Passenger & Crew Briefing F. Sterile Cockpit Procedures	0000	A. Physiological aspects of night B. Preparation & Personal Equip	
G. Post-flight Procedures	0000	C. Aircraft & Airport Lighting	0 0 0 0
IV. AIRPORT & TRAFFIC PATTERN OPS		D. Night Orientation and Naviga	
A. Radio Comm & ATC Light Signals	0000	XII. EMERGENCY PROCEDU	
B. Surface and Traffic Pattern Operations	0000	A. Emergency Approach & Land	
C. Airport & Rusway Markings & Lighting	0000	B. System & Equipment Malfund	
V. TAKEOFF & CLIMBS		C. POH Bold Face Knowledge	0 0 0 0
A. Normal Takeoff & Climb	0000	D. Emergency Descent	0000
B. Crosswind Takeoff & Climb	0000	XIII. APPROACHES & LANDI	
C. Short-field Takeoff & Climb	0000	 A. Normal Approaches and Land 	
D. Soft-field Takeoff & Climb	0000	B. Crosswind Approaches and L.	
VI. CROSS-COUNTRY FLYING	1000000000	C. Forward Slips to Landing	0 0 0 0
A. Pilotage & Dead Reckoning	0000	D. Go-around	
B. Radio Navigation	0000	E. Short-field Approach & Land:	
D. Lost Procedures	0000	F. Soft-field Approach & Landin XIV. SAFETY AWARENESS	
VII. MANEUVERS		A. Clearing Turns and Collision	Associations H H H H H
A. Power-Off Stalls	0000	B. Vigilance, Risk Mgt & Judgm	
B. Power-On Stalls	0000	C. Fuel Management	0 0 0 0
C. Maneuvering During Slow Flight	0000	D. Use of Crew Resource Manag	ement 0000
D. Steep Turns	0000	E. Ground Handling Procedures	0 0 0 0
-		F. Use of Risk Management (Go-	

CAP Check Pilots use the ACS to:

- Verify that the CAP pilot meets the standard for privileges of the certificate or rating to be exercised (same as traditional use of PTS)
- Improve discussion of risk management and aeronautical decision making on initial and annual F5 proficiency checks



Check Pilots should look for pilots to...

Know:

- FAA regulations
- **CAP** regulations
- Best practices
- Systems/ performance
- How to find information

Consider:

- Risk factors for mission
- Risk factors for task
- P-A-V-E (or other method)
- Mitigation strategies e.g. C-A-R-E or T-E-A-M

Do:

- Perform to standards
- Follow all FAA & CAP regs
- Operate CAP equipment
- Safely perform in CAP context (all phases of flight)

Red Flags

- Disdainful attitude
- Misunderstanding of basic concepts
- Can't apply knowledge
- Unprepared
- No aeronautical curiosity

Red Flags



- Cavalier or unprofessional attitude
- Unsafe or reckless behavior
- Pushes the envelope
- Hazardous attitudes

Red Flags



- Can't perform to standards
- Seems unsure of the task
- Appears overloaded
- Needs excessive coaching
- Not familiar with eServices or **WMIRS**



June 2017:

- First version of ACS for Commercial Pilot Airplane
- Updates to ACS for Private Pilot Airplane certificate and Instrument-Airplane Rating that will:
 - Incorporate corrections and changes suggested by stakeholders
 - Streamline presentation by consolidating certain task elements
 - Standardize phrasing and sequence of certain task elements
- Modifications to Slow Flight and Stalls Area of Operation in Private and Commercial Airplane ACS.





Trends

Flight Evaluations: 1435 Failures: 39 Failure Rate: 3%

Category:	Total Failures:
Instrument Approach Procedures	7
Steep Turns	6
Normal Approaches and Landings	6
Use of Checklist	5
Power-On Stalls	5
Maneuvering During Slow Flight	5
Precision Approach	5
Non-Precision Approach	5
Aircraft Systems	4
Surface and Traffic Pattern Operations	4
Normal Takeoff & Climb	4
Power-Off Stalls	3

Category:	Total Failures:
Instrument Approach Procedures	7
Precision Approach	5
Non-Precision Approach	5
Normal Approaches and Landings	6
Normal Takeoff & Climb	4
Maneuvering During Slow Flight	5
Power-On Stalls	5
Power-On Stalls	5
Use of Checklist	5
Surface and Traffic Pattern Operations	4



Trends

Flight Evaluations: 1435 Factor Facto

Failures: 39

Failure Rate: 3%

https://missions.capnhq.gov/trend_analysis/index.cfm

Category:	Total Failures:
Recovery from Unusual Flight Attitudes	2
Engine Failure/Takeoff Below VMC	2
Go-around	2
Short-field Approach & Landing	2

Category:	Total Failures:
Annual Online Written Exam	1
Taxiing	1
Radio Comm & ATC Light Signals	1
Crosswind Takeoff & Climb	1
Short-field Takeoff & Climb	1
Soft-field Takeoff & Climb	1
Radio Navigation	1
Constant Airspeed Descents	1
Radio Nav & Radar Services	1
S - Turns	1
Turns Around A Point	1
System & Equipment Malfunction	1
POH Bold Face Knowledge	1
X-wind Approaches and Landings	1
Soft-field Approach & Landing	1
Clearing Turns and Collision Avoidance	1
Vigilance, Risk Management & Judgement	1
Intercept & Tracking of Courses	1
Circling & Missed Approach	1
Use of Crew Resource Management	1
Demonstrate teaching maneuvers in flight	1
Demonstrate evaluating maneuvers in flight	1
Demonstrate syllabus maneuvers/items	1



Slow Flight & Stalls

Maneuvering During Slow Flight in an Airplane

Continuum of reducing aircraft speed and energy state of the aircraft:

Normal flight operations:

Slow flight - Operation at the bottom on the normal flight regime -- develops the notion that the stall warning device indicates an abnormal situation that needs to be addressed.

Abnormal flight operations:

Flight between the stall warning and the stall (up to the critical angle of attack). Part of stall prevention training is to respond to the warning and return to normal flight. Maneuvering flight in this area is not tested under the ACS.

Emergency flight operations:

Full stall and recovery training includes slowing/loading to the break in the stall through the full recovery. The testing standard for stall recovery is appropriately separate from the slow flight standard.

Please see FAA-H-8083-3B - Airplane Flying Handbook Chapter 4 -

https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/airplane_handbook/



Slow Flight & Stalls

VII. Slow Flight and Stalls

Task	Task A. Maneuvering During Slow Flight
References	FAA-H-8083-2, FAA-H-8083-3; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with maneuvering during slow flight.
Knowledge	The applicant demonstrates understanding of:
PA.VII.A.K1	This maneuver as it applies to different phases of flight.
PA.VII.A.K2	The relationship between angle of attack (AOA), airspeed, load factor, aircraft configuration, aircraft weight, and aircraft attitude.
PA.VII.A.K3	3. The range and limitations of stall warning indicators (e.g.: aircraft buffet, stall horn, etc.)
PA.VII.A.K4	 The difference between AOA and aircraft attitude during all flight conditions and how it relates to aircraft performance.
PA.VII.A.K5	How environmental elements affect aircraft performance.
PA.VII.A.K6	 The importance of the 1,500-foot AGL (ASEL/ASES) or 3,000-foot AGL (AMEL/AMES) minimum altitude.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.VII.A.R1	The interplay of aerodynamic factors (angle of attack (AOA), airspeed, load factor, aircraft configuration, aircraft weight, and aircraft attitude).
PA.VII.A.R2	2. Range and limitations of stall warning indicators (e.g.: aircraft buffet, stall horn etc.).
PA.VII.A.R3	The effect of environmental elements on aircraft performance.
PA.VII.A.R4	Collision avoidance, scanning, obstacle and wire strike avoidance.
PA.VII.A.R5	Failure to react appropriately to a stall warning.
PA.VII.A.R6	Failure to maintain coordinated flight during the maneuver.
PA.VII.A.R7	Failure to manage pitch attitude and power to avoid a stall warning or a stall.
Skills	The applicant demonstrates the ability to:
PA.VII.A.S1	Select an entry altitude that will allow the Task to be completed no lower than 1,500 fee AGL (ASEL ASES) or 3 000 feet AGL (AMEL AMES)
PA.VII.A.S2	 Establish and maintain an airspeed, approximately 5-10 knots above the 1G stall speed at which the airplane is capable of maintaining controlled flight without activating a stall warning.
PA.VII.A.S3	 Accomplish coordinated straight-and-level flight, turns, climbs, and descents with landir gear and flap configurations specified by the evaluator without activating a stall warning
PA.VII.A.S4	Divide attention between airplane control, traffic avoidance and orientation.
PA.VII.A.S5	 Maintain the specified altitude, ±100 feet; specified heading, ±10°; airspeed +10/-0 kno and specified angle of bank, ±10° or as recommended by aircraft manufacturer to a saf maneuvering altitude.

Private ACS – June 2016

VII. Slow Flight and Stalls

Task	A. Maneuvering During Slow Flight
References	FAA-H-8083-2, FAA-H-8083-3; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with maneuvering during slow flight.
Objective	Note: See <u>Appendix 6:</u> Safety of Flight and <u>Appendix 7:</u> Aircraft, Equipment, and Operational Requirements & Limitations.
Knowledge	The applicant demonstrates understanding of:
PA.VII.A.K1	Aerodynamics associated with slow flight in various aircraft configurations, to include the relationship between angle of attack, airspeed, load factor, power setting, aircraft weight and center of gravity, aircraft attitude, and yaw effects.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.VII.A.R1	Inadvertent slow flight and flight with a stall warning, which could lead to loss of control.
PA.VII.A.R2	Range and limitations of stall warning indicators (e.g., aircraft buffet, stall horn, etc.).
PA.VII.A.R3	Failure to maintain coordinated flight.
PA.VII.A.R4	Effect of environmental elements on aircraft performance. (e.g., turbulence, microbursts, and high density altitude).
PA.VII.A.R5	Collision hazards, to include aircraft, terrain, obstacles, and wires.
PA.VII.A.R6	Distractions, loss of situational awareness, and/or improper task management.
Skills	The applicant demonstrates the ability to:
PA.VII.A.S1	Clear the area.
PA.VII.A.S2	Select an entry altitude that will allow the Task to be completed no lower than 1,500 feet AGL (ASEL, ASES) or 3,000 feet AGL (AMEL, AMES).
PA.VII.A.S3	Establish and maintain an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in a stall warning (e.g., aircraft buffet, stall hom, etc.).
PA.VII.A.S4	Accomplish coordinated straight-and-level flight, turns, climbs, and descents with landing gear and flap configurations specified by the evaluator without a stall warning (e.g., aircraft buffet, stall hom, etc.).
PA.VII.A.S5	Maintain the specified altitude, ±100 feet; specified heading, ±10°; airspeed +10/-0 knots; and specified angle of bank, ±10°.

Private ACS - June 2017

- With the primary focus on understanding aerodynamics associated with flying slow in different phases of flight, there is now only one knowledge element for slow flight.
- The FAA refined and consolidated the risk management elements in the ACS.
- The FAA modified the phrasing of the skill element as follows: Establish and maintain an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in a stall warning (e.g., aircraft buffet, stall horn, etc.).



Slow Flight & Stalls

VII. Slow Flight and Stalls

Task	Task B. Power-Off Stalls
References	FAA-H-8083-2, FAA-H-8083-3; AC 61-67; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with power-off stalls.
Knowledge	The applicant demonstrates understanding of:
PA.VII.B.K1	 The importance of the 1,500-foot AGL (ASEL/ASES) or 3,000-foot AGL (AMEL/AMES) minimum altitude.
PA.VII.B.K2	How the maneuver relates to a normal flight.
PA.VII.B.K3	The components of a stabilized descent.
PA.VII.B.K4	Approach to stall indications.
PA.VII.B.K5	Full stall indications.
PA.VII.B.K6	Which aircraft inputs are required to meet heading or bank angle requirements.
PA.VII.B.K7	The stall recovery procedure.
PA.VII.B.K8	 The importance of establishing the correct aircraft configuration during the recovery process and the consequences of failing to do so.
PA.VII.B.K9	Aerodynamics associated with stalls and spins in various aircraft configurations and attitudes.
PA.VII.B.K10	10. The circumstances that can lead to an inadvertent stall or spin.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.VII.B.R1	 The interplay of aerodynamic factors (angle of attack (AOA), airspeed, load factor, aircraft configuration, aircraft weight, and aircraft attitude.)
PA.VII.B.R2	2. The range and limitations of stall warning indicators (e.g.: aircraft buffet, stall horn, etc.).
PA.VII.B.R3	The effect of environmental elements on aircraft performance.
PA.VII.B.R4	Required actions for aircraft maximum performance and the consequences of failing to do so.
PA.VII.B.R5	Collision avoidance, scanning, obstacle and wire strike avoidance.
PA.VII.B.R6	Failure to follow the stall recovery procedure.
PA.VII.B.R7	Failure to maintain coordinated flight during the maneuver.
PA.VII.B.R8	Secondary stalls.
PA.VII.B.R9	Inadvertent stall or spin.
Skills	The applicant demonstrates the ability to:
PA.VII.B.S1	 Select an entry altitude that will allow the Task to be completed no lower than 1,500 feet AGL (ASEL, ASES) or 3,000 feet AGL (AMEL, AMES).
PA.VII.B.S2	Establish a stabilized descent in the approach or landing configuration, as specified by the evaluator.
PA.VII.B.S3	 Transition smoothly from the approach or landing attitude to a pitch attitude that will induce a stall.
PA.VII.B.S4	 Maintain a specified heading, ±10°, if in straight flight, and maintain a specified angle of bank not to exceed 20°, ±10° if in turning flight, while inducing the stall or as recommended by the aircraft manufacturer to a safe maneuvering altitude.
PA.VII.B.S5	Recognize and recover promptly after a full stall has occurred.
PA.VII.B.S6	 Retract the flaps to the recommended setting; retract the landing gear, if retractable, after a positive rate of climb is established.
PA.VII.B.S7	Execute a stall recovery in accordance with procedures set forth in the AFM/POH.
PA.VII.B.S8	 Accelerate to V_x or V_y speed before the final flap retraction and return to the altitude, heading and airspeed specified by the examiner.

VII. Slow Flight and Stalls

Task	B. Power-Off Stalls
References	FAA-H-8083-2, FAA-H-8083-3; AC 61-67; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with power-off stalls.
	Note: See Appendix 7: Aircraft, Equipment, and Operational Requirements & Limitations.
Knowledge	The applicant demonstrates understanding of:
PA.VII.B.K1	Aerodynamics associated with stalls in various aircraft configurations, to include the relationship between angle of attack, airspeed, load factor, power setting, aircraft weight and center of gravity, aircraft attitude, and vaw effects.
PA.VII.B.K2	Stall characteristics (i.e., airplane design) and impending stall and full stall indications (i.e., how to recognize by sight, sound, or feel).
PA.VII.B.K3	Factors and situations that can lead to a power-off stall and actions that can be taken to prevent it.
PA.VII.B.K4	Fundamentals of stall recovery.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
PA.VII.B.R1	Factors and situations that could lead to inadvertent power-off stall, spin, and loss of control.
PA.VII.B.R2	Range and limitations of stall warning indicators (e.g., aircraft buffet, stall horn, etc.).
PA.VII.B.R3	Failure to recognize and recover at the stall warning during normal operations.
PA.VII.B.R4	Improper stall recovery procedure.
PA.VII.B.R5	Secondary stalls, accelerated stalls, and cross-control stalls.
PA.VII.B.R6	Effect of environmental elements on aircraft performance related to power-off stalls (e.g., turbulence, microbursts, and high density altitude).
PA.VII.B.R7	Collision hazards, to include aircraft, terrain, obstacles, and wires.
PA.VII.B.R8	Distractions, loss of situational awareness, and/or improper task management.
Skills	The applicant demonstrates the ability to:
PA.VII.B.S1	Clear the area.
PA.VII.B.S2	Select an entry altitude that will allow the Task to be completed no lower than 1,500 feet AGL (ASEL, ASES) or 3,000 feet AGL (AMEL, AMES).
PA.VII.B.S3	Configure the airplane in the approach or landing configuration, as specified by the evaluator, and maintain coordinated flight throughout the maneuver.
PA.VII.B.S4	Establish a stabilized descent.
PA.VII.B.S5	Transition smoothly from the approach or landing attitude to a pitch attitude that will induce a stall.
PA.VII.B.S6	Maintain a specified heading, ±10 if in straight flight, maintain a specified angle of bank not t exceed 20° ±10° if in turning flight, while inducing the stall
PA.VII.B.S7	Acknowledge cues of the impending stall and then recover promptly after a full stall has occurred.
PA.VII.B.S8	Execute a stall recovery in accordance with procedures set forth in the POH/AFM.
PA.VII.B.S9	Retract the flaps to the recommended setting; retract the landing gear, if retractable, after a positive rate of climb is established.
PA.VII.B.S10	Accelerate to V _X or V _Y speed before the final flap retraction; return to the altitude, heading, and airspeed specified by the evaluator.

Private ACS - June 2017



CAPR 70-1 CAP Flight Management

Overview

- Substantially revised from previous CAPR 60-1
- States the responsibilities of all CAP personnel with respect to the control and management of CAP aircrews, aircraft, and flying programs



NATIONAL HEADQUARTERS CIVIL AIR PATROL

CAP REGULATION 70-1

8 May 2017

OPERATIONS

CAP FLIGHT MANAGEMENT

SUMMARY OF CHANGES

This document has been extensively revised and needs to be reviewed in its entirety.

Table of Contents

1. Overview
2. Applicability
Operating Instructions (OI), Pamphlets, Supplements and Waivers to this Regulation
4. Qualification: CAP Pilots, Instructors, Check Pilots.
5. Qualification: Aircraft Types
CAP Pilot Training, Proficiency, and Orientation Flights
7. CAP Pilot Flight Evaluation
Suspension of CAP Flying Privileges, Appeals, Reinstatement, and Damages
CAP General Operating and Flight Rules
Attachment 1 COMPLIANCE ELEMENTS 2
Attachment 2 GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION
Attachment 3 INSTRUCTIONS FOR CAP PILOT FLIGHT EVALUATIONS – AIRPLANE/GLIDER

- 1. Overview. This regulation states the responsibilities of all Civil Air Patrol (CAP) personnel with respect to the control and management of CAP aircrews, aircraft, and flying programs.
- 2. Applicability. This regulation applies to all CAP aircrews and all CAP aircraft as defined in this regulation. This regulation does not apply to CAP corporate aircraft flown by CAP-USAF personnel, aircraft released to an approved fixed base operator (FBO) or aircraft maintenance facility, or other non-CAP member use approved by the CAP-USAF Director of Operations (CAP-USAF/DO). All CAP personnel involved in CAP flight activities must comply fully with the requirements of 14 CRF, as well as with the additional CAP-specific standards stated in this regulation. All CAP members must understand that flying CAP aircraft is a privilege, not a right of membership. Commanders have overall responsibility for compliance with these procedures, which are applicable to all CAP units.

Supersedes: CAPR 60-1, 03-May-2014 Distribution: National CAP website OPR: CAP/DO Pages: 39

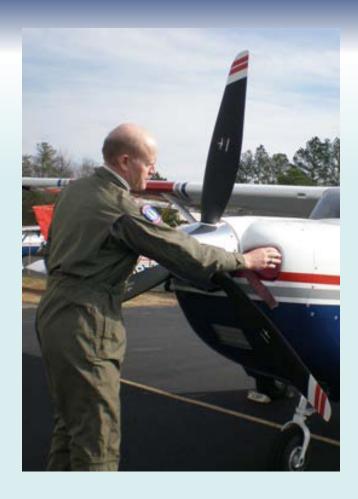
Notice: CAP publications and forms are available digitally on the National CAP website at: http://www.capmembers.com/forms_publications_regulations/



CAPR 70-1 CAP Flight Management

Applicability

- Applies to all CAP aircrews and all CAP aircraft as defined in CAPR 70-1
- All CAP personnel involved in CAP flight activities must comply fully with the requirements of 14 CFR, as well as with the additional CAP-specific standards
- All CAP members must understand that flying CAP aircraft is a privilege, not a right of membership.





CAPR 70-1: CAP Flight Management

General Info: CAP's version of 14 CFR part 1

Info specific to CAP operating environment

CAP pilot certification requirements & procedures: CAP version of 14 CFR part 61

CAP operating rules: CAP version of 14 CFR part 91

Table of Contents

- 1. Overview
- 2. Applicability
- **3.** Operating Instructions (OI), Pamphlets, Supplements and Waivers to this Regulation
- 4. Qualification: CAP Pilots, Instructors, Check Pilots
- 5. Qualification: Aircraft Types
- 6. CAP Pilot Training, Proficiency, and Orientation Flights
- 7. CAP Pilot Flight Evaluation
- 8. Suspension of CAP Flying Privileges, Appeals, Reinstatement, and Damages
- **9.** CAP General Operating and Flight Rules

Attachment 1
COMPLIANCE ELEMENTS

Attachment 2
GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

Attachment 3
INSTRUCTIONS FOR CAP PILOT FLIGHT EVALUATIONS –
AIRPLANE/GLIDER



FAA Resources

- Airman Testing Web Page
 - http://www.faa.gov/training_testing/testing/
 - http://www.faa.gov/training_testing/testing/acs/
- FAASafety.gov ALC-449*
 - www.faasafety.gov
- ACS Focus Team
 - 9-AVS-ACS-Focus-Team@FAA.gov
- Safety Alert for Operators 17009
 - https://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo/all_safos/



CAP Resources

Website: "Aircraft Operations & Stan/Eval"

Access at: www.capmembers.com
Stan/Eval Information
Pilot & Flight Training information
FAA sites, AOPA courses, weather, & more!

- WMIRS (Web Mission Information Reporting System)
 Standardized Sortie Generation & Flight Release
- Ops Qual Real-time qualification data



Questions? Feedback?



Civil Air Patrol

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