

Civil Air Patrol



GLIDER PROGRAM OVERVIEW



CITIZENS SERVING COMMUNITIES



GLIDER PROGRAM OVERVIEW

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CAP/DOG

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CAP/DOGA

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GLIDER PROGRAM OVERVIEW

- Purpose /Goals of CAP Glider Program
- Glider Program Assets
- Glider Program Progress





GLIDER PROGRAM OVERVIEW

- **Cadet Centered Program**



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GLIDER PROGRAM OVERVIEW

Purpose

- Give as many cadets as possible the opportunity to experience glider flying and soaring through orientation flights and glider flight training.



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GLIDER PROGRAM OVERVIEW

Purpose

- Provide currency, upgrade, and initial flight training opportunities for Senior Members who supervise and manage the program.



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GLIDER PROGRAM OVERVIEW

Goals

- Reach as many CAP cadets as possible with the opportunity to participate in the glider program, both orientation flights and flight training.



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GLIDER PROGRAM OVERVIEW

Goals

- Maintain a strong and effective ground and air safety program.
- Promote current, proficient, and professional airmanship.



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GLIDER PROGRAM OVERVIEW



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GLIDER PROGRAM OVERVIEW

Goals

- Maintain a high level of custodial care and maintenance.



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GLIDER PROGRAM OVERVIEW

Glider Program Assets

- 46 Serviceable Gliders in 26 Wings



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GLIDER PROGRAM OVERVIEW

- 11 Schweizer 2-33s



- 1 Schweizer 2-32



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GLIDER PROGRAM OVERVIEW

29 Blanik L-23s



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GLIDER PROGRAM OVERVIEW

5 Schleicher ASK-21s



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GLIDER PROGRAM OVERVIEW

What we launch them with - **Airplanes**



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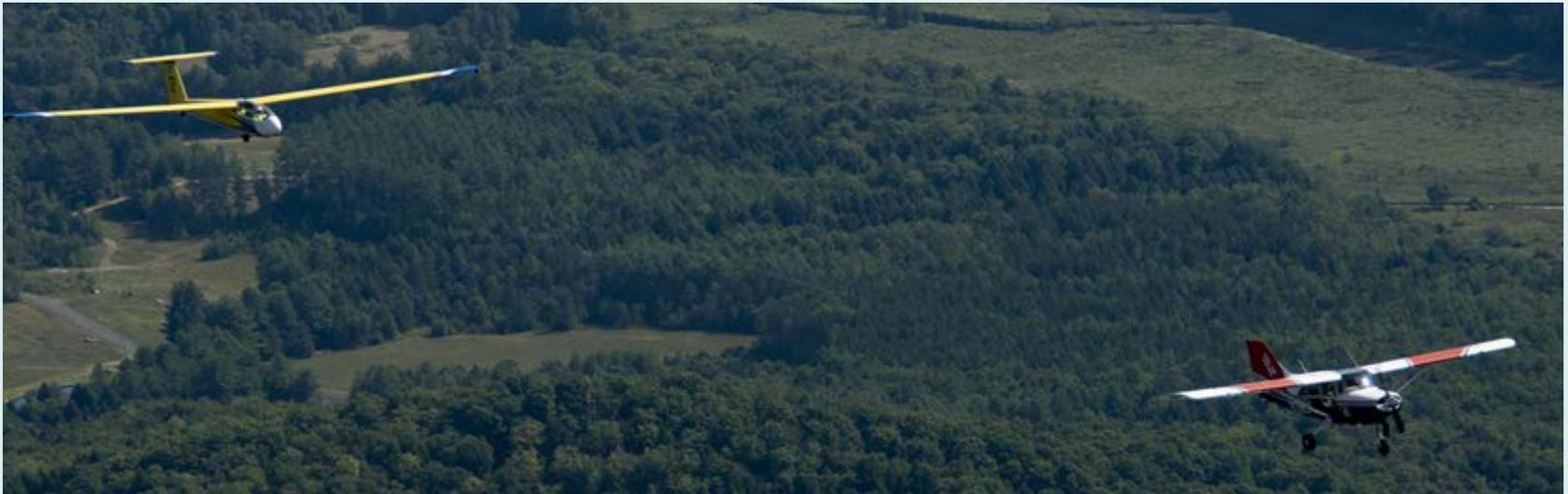
GLIDER PROGRAM OVERVIEW



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GLIDER PROGRAM OVERVIEW

What we launch them with – **Winches**



- Roman – NER – New Brunswick, ME
- Roman – PCR – Los Alamitos, CA
- Ford – PCR – Las Vegas, NV

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GLIDER PROGRAM OVERVIEW

What we launch them with – **People**



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GLIDER PROGRAM OVERVIEW

What we launch them with – People

- CAP has 255 glider pilots in Ops Quals
 - **161** are current glider pilots
 - **102** are glider instructor pilots
 - **80** are glider check pilots
 - **65** are glider check pilot examiners



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GLIDER PROGRAM OVERVIEW

CAP has **255** glider pilots in Ops Quals



- **161** are **current** glider pilots
- **94** CAP members with glider ratings are **not** CAP Glider Pilots



GLIDER PROGRAM OVERVIEW

- **161** ÷ 46 = **3.5** pilots/glider
- **255** ÷ 46 = **5.5** pilots/glider



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GLIDER PROGRAM OVERVIEW



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GLIDER PROGRAM OVERVIEW

Additional Pilot Rating

Holders of a valid FAA Private Pilot Airplane certificate, with 40 hours as PIC need **10 solo flights** to qualify to take the FAA glider flight test.

Holders of a valid FAA Commercial Pilot Airplane certificate, need a minimum of **20 solo flights** to qualify to take the FAA glider flight test.

No written exam is required to **add** a glider rating to an airplane certificate!



GLIDER PROGRAM OVERVIEW

Private Pilot-Glider (No Airplane Rating)

Student pilots may qualify as a Private Pilot-Glider once they:

- Are at least 16 years of age; and
- Have logged at least 10 hours of flight time in a glider and that flight time must include at least 20 total glider flights, and
- Have 2 hours of solo flight time in a glider, and
- Have passed the FAA written examination; and
- Have passed the flight exam with a FAA Examiner.



GLIDER PROGRAM OVERVIEW

Commercial Pilot-Glider

To qualify for a Commercial Pilot-Glider certificate:

- Must be at least 18-years of age;
- Pass the FAA written examination;
- Hold a Private Pilot certificate with 25 hours of flight time in gliders and 100 glider flights as pilot-in-command;
- 3 hours of flight training or 10 training flights in a glider;
- 2 hours of solo flight that include not less than 10 solo flights



GLIDER PROGRAM OVERVIEW



CAP has **191** Tow Pilots



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GLIDER PROGRAM OVERVIEW

What we launch them with – **People**

Of the 191 Tow Pilots

- **68** are Tow Pilot Trainers



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GLIDER PROGRAM OVERVIEW

What we launch them with – **People**

- CAP has **11** Winch Operators in Ops Quals
 - **7** are Winch Instructors
 - **2** are Winch Evaluators



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GLIDER PROGRAM OVERVIEW



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GLIDER PROGRAM OVERVIEW

Glider Program Progress

- Glider Program Use - Order of Priority



- **First Priority** – Cadet Orientation “O” Flights

- **Second Priority** – Cadet Fight Training

- Cadet Glider Flight Academies
- Local Cadet Fight Training

- **Third Priority** – Senior Member Flight Training

- Qualification and Proficiency
- Primary Training and Rating Add-on



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GLIDER PROGRAM OVERVIEW

Glider Program Progress

- Glider Sortie Goal:
- **200** Sorties Minimum per Glider per Fiscal Year
 - One-Half (50%) of Sorties Flown to be Cadet Orientation “O” Flights A-15
 - One-Quarter (25%) Sorties Flown to be Cadet Training
 - One-Quarter (25%) Sorties Flown to be SM Training/Proficiency

CADET ORIENTATION FLIGHT SYLLABUS
Tools for Pilots, Cadets & Cadet Programs Officers

CAPP 52-7 April 2009



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GLIDER PROGRAM OVERVIEW

How Did We Do – FY16?

- **10,191** sorties were flown in FY16.
- Only **8,593** sorties were validated in WMIRS.
- That means no credit was given for **1,598** sorties flown!



GLIDER PROGRAM OVERVIEW

All Sorties must be validated in WMIRS!

WMIRS - Reports

Home > Support > Reports

- About
- WMIRS 1.0 Links
- Command
- Operations
- Planning
- Logistics
- Finance & Admin
- Support
 - Request/Close Out
 - RON
 - Misc. Expenses
 - Unit Log
 - Time Zone
 - Reports
 - Maintenance Module
 - Scheduling Module

[Form 18 - Glider Aircraft Utilization](#)

[Form 18 - Glider Wing Fiscal Year Report](#)

[Form 18 - Glider Region Fiscal Year Report](#)

[Form 18 - Glider Fiscal Year Report](#)

[Form 18 - Glider Fiscal Year Summary By Tail No](#)

[Form 18 - Glider Fiscal Year Reporting Status](#)

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GLIDER PROGRAM OVERVIEW

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GLIDER PROGRAM OVERVIEW

All Sorties must be validated in WMIRS!

WMIRS - Form 18 - Glider Aircraft Utilization

▼ About

- Getting Started
- Automatic Permissions
- Video Tutorials
- CAP Helpdesk

▶ WMIRS 1.0 Links

- ▶ Command
- ▶ Operations
- ▶ Planning

Home > Support > Reports > Form 18 - Glider Aircraft Utilization

Month

--Select-- ▼
--Select--
October
November
December
January
February
March
April
May
June
July

Continue



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GLIDER PROGRAM OVERVIEW

All Sorties must be validated in WMIRS!

WMIRS - Form 18 - Glider Aircraft Utilization

▼ About

Home > Support > Reports > Form 18 - Glider Aircraft Utilization

- Getting Started
- Automatic Permissions
- Video Tutorials
- CAP Helpdesk

▶ WMIRS 1.0 Links

▼ Command

- Enter New Mission
- Current Missions

MI Glider Aircraft Utilization Report for July 2017

Tail No.	A6	A7	A8	A9	A12	A15	A17	A99	B7	B9	B12	B15	B16	B17	B21	C7	C9	C12	C15	C16	C17	C19	C21	C22	C25	C26	L1	Total	
N975AF						60												5										65	Validate
N99859						69												8										77	Validate
TOTAL						129												13									142		
Member																											0	Validate	



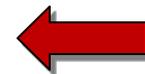
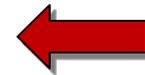
GLIDER PROGRAM OVERVIEW

Form 18 - Glider Aircraft Utilization

Home > Support > Reports > Form 18 - Glider Aircraft Utilization

MI Glider Aircraft Utilization Report for July 2017

Tail No.	A6	A7	A8	A9	A12	A15	C12	Total	
N975AF						60	5	65	<input type="button" value="Validate"/>
N99859						69	8	77	<input type="button" value="Validate"/>
TOTAL						129	13	142	
Member								0	<input type="button" value="Validate"/>





GLIDER PROGRAM OVERVIEW

How Did We Do - FY16?

(Doing Math in Public)

- Flew/reported/validated **8,593** sorties in FY16
 - **8,593** ÷ **46** = **187** sorties per glider (average)
 - Not bad, but not meeting expectations
 - Subtract 5 gliders:
 - 2 non-reporting
 - 3 that only flew 4 - 21 sorties = **41** active gliders
 - Subtract 1 SGS 2-33 in refurbishment = **40** active gliders
 - Now **8,593** ÷ **40** = **215** sorties for **40** reporting gliders
 - Not bad, except...



GLIDER PROGRAM OVERVIEW

How Did We Do - FY16?

- **8,593** ÷ **40** = **215** sorties for 40 reporting gliders
 - Not bad, except...
 - Each glider did ***not*** fly near or about 200 sorties in FY16.
 - Some flew much more and some flew much less
- **6** gliders flew less than 100 sorties, ranging from **32 - 98**
- **15** gliders flew 100 or more sorties, but less than 200, ranging from **101 - 196**
- **10** gliders flew 200 or more sorties but less than 300, ranging from **201 - 293**
- **9** gliders flew 300 or more sorties, ranging from **321 - 574**

(Does not take into account extended down times due to weather or maintenance and repairs.)

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GLIDER PROGRAM OVERVIEW

How Did We Do – FY16?

- **21** gliders, over one-half of our fleet, flew less than the expected 200 sorties per FY

BUT

- **10** of our gliders met the expected **200** or more sorties
- **9** of our gliders flew more than **300** sorties

Conclusion: It can be done!!!

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GLIDER PROGRAM OVERVIEW

- **Sortie Distribution Matrix**

- Cadet “O” Flights flown: **2635** sorties
 - **31%**, which is well below goal of **50%**
- Cadet flight academy/local flight training: **4002** sorties
 - **46%**, well over the goal of **25%**
- Senior Member training/proficiency: **1956** sorties
 - **23%**, nearly on target



GLIDER PROGRAM OVERVIEW

What the Numbers Tell Us (Don't shoot the messenger)

- Overall – experienced a shortfall of approximately **1,350+** “O” flight sorties
- Many of the **200** sortie gliders got the bulk of their sorties at Glider Flight Academies (C16)
 - Indicates a few weeks of intense flight activity during glider academies
 - Indicates considerable down time for remainder of the year



GLIDER PROGRAM OVERVIEW

Source

- FY16 WMIRS – Form 18 – Glider Fiscal Year Summary By Tail No
 - Gliders listed by N#, alpha by wing or region (NER & NCR)

WMIRS - Reports

- ▼ About
- Home > Support > Reports
- ▼ Support
 - Request/Close Out RON
 - Misc. Expenses
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GLIDER PROGRAM OVERVIEW

Wing	Tail No.	A6	A7	A8	A9	A12	A15	A17	A99	B7	B9	B12	B15	B16	B17	B21	C7	C9	C12	C15	C16	C17	C19	C21	C22	C25	C26	L1	Total	
AL	N342BA		3		2		104			2							7	3	32	23	69	74			91	58	78	18	564	
CA	N2037T						112			4	8		25	2			4		56	21	99	28				6	15		382	
TN	N426BA		7				185										4		7	2						78	26	14	323	
WA	N473BA						2														263								265	
AK	N2624H		3				12	27														201							243	
NC	N437BA		6			8	155										3				13	35				6	3	2	233	
AK	N394BA		3				25	12												8			168	5	8				229	
GA	N387BA		7		2		87										5		9	11					94				215	
NM	N434BA						79										11		39	1	75	3				3			211	
MI	N975AF						99												23	1	42	11							176	
MI	N99659						131											2	22	3	1								159	
HI	N387BA		6				112				1							1	15	6	9	8							158	
TX	N17668						20	5											1	3	18	15			80				142	
NCR	N403BA		6		1		17										3		45	6	28					17	16		139	
IL	N65609		3				16														6					105			130	
NV	N472BA		14		1	4	50			23									5	2	8	2				14	1	3	127	
CO	N436BA						71										2		3		48								124	
IL	N426BA		2																							99			101	
TX	N972AF				6	28	1												13	6	1				45				100	
NM	N471BA						45												1		51								97	
NCR	N431BA				2																				92					94
NCR	N419BA		4				2												1	1					84				92	
CO	N221CP						39			1									6							34	10		90	
CA	N420BA						52			6									25								4		87	
NCR	N364BA																								74				74	
AK	N621CP							68																					68	
NCR	N2953H				1																				53				54	
NER	N427BA						33										4		3										40	
SC	N362BA						36												3	1									40	
TX	N434BA						15			2									19										36	
NER	N430BA						7										7	1			6					9	1		31	
WV	N433BA		3				15												2			10							30	
GA	N306BA		6		1		17										3												27	
NV	N470BA						20			6																				26
NER	N7539						16										4				5									25
AL	N306BA																5		4							4	2			15
UT	N521CP		3				8																							11
UT	N65846						7																							7
TN	N2474W																			2										2
VA	N366BA						1																							1

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GLIDER PROGRAM OVERVIEW

Recommendation

- Review the sorties by numbers and missions for your gliders.
- For those with low sortie generation and not out for extended maintenance/repairs, review your program and see what is needed to get in the air more, and meet the purposes of the glider program.



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GLIDER PROGRAM OVERVIEW

Recommendation

- The most successful programs do one or more of the following:
 - Fly multiple times each month and as often as every weekend.
 - Offer Cadet Orientation Flights during their annual encampments.
 - Fly all year-long, even when it snows in the northern states.



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GLIDER PROGRAM OVERVIEW

CAP NATIONAL GLIDER TEAM

National Glider Program Manager – Col Jack Buschmann

Asst. National Glider Program Manager – Maj Mark Grant

GLR – Maj Steve Snyder

MER – Lt Col Gene Jackson

NCR – Lt Col Roger Brogren

NER – Col Dale Hardy

PCR – Maj Ed Kornfield

Lt Col Charles Freeman

RMR – Maj Carl Keil

SER – Col Mike Murrell

SWR – Lt Col Roland Dewing



GLIDER PROGRAM OVERVIEW

Questions?



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GLIDER PROGRAM OVERVIEW

CAP GLIDER PROGRAM OVERVIEW *OVER*



Comments?

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Civil Air Patrol

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survey online for a chance
to have your conference
registration fee refunded**

<https://www.surveymonkey.com/r/17NatCon>

A nighttime photograph of the Anaheim Marriott hotel. The building is illuminated with warm lights, and its windows are lit up. In the foreground, there is a large, curved fountain with water cascading over a stone wall. The sky is dark, and the overall scene is vibrant and modern.

Save the Date
23-25 August
2018

**National Conference &
Command Council**

Anaheim Marriott
Anaheim, California

Online Registration Opens April 2018