



Civil Air Patrol



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- Changes seen in FY17
- Problem areas
- Changes for FY18



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- FY17 Changes
 - AFROTC/AFJROTC
 - Counter Drug
 - Training
 - Sorties and Funding



AFROTC/AFJROTC

- AFROTC & AFJROTC work the same
 - No more AFJROTC detachment budgets
- New Process
 - No Annual Missions
 - Request Missions for specific events
 - NOC reviews/sets mission budget



Counter Drug

- Overall funding reduced for FY17
- Direct support to the Air Force takes priority
- Wings get partial funding based on FY16 activity.
- No additional funding available
- FY18 funding expected to be the same



Training

- Funding parsed monthly
 - Funds remaining rolled into other missions
- Separate funding line for Check Rides



Sorties & Funding

- Sorties can not be added if funding exhausted
 - Funding check before adding sorties
 - On duplicate sorties, every sortie checked
 - Future sorties still obligate funding



PROBLEM

SOLUTION



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- Funding Sources
 - They're just a suggestion, right?





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- NHQ Shell Credit Cards



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- Reimbursements
 - Who gets the money?



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- Expenses other than fuel
 - Lodging/Per Diem



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- Pre-event relocations

CHANGE

AHEAD



Changes for FY18

- Mission Symbols
- Flight Release
- ORM Process



Changes for FY18

- Mission Symbol Changes
 - Drop mission symbols not used
 - Break out common missions from A99, B99, C99
 - The new list will be out prior to 1 Oct 2017



Changes for FY18

- Flight Release

	Sortie	Sortie Day	Sortie Type	Mission Symbol	Tail No.	A/C Type	Call Sign	Pilot	Tracking No.	Departure Location	Destination	Est. Departure	Est. Arrival	Hours	Fuel/Oil	Approval Status
Edit Release Brief Debrief	A1000	08/23/17	Solo Flight	C25	N98913	C172	4233			KG TU	KG TU	12:00	14:01	0.0		Pending Release
Edit Release Brief Debrief	A0996	08/23/17	F5	C7	N1472F	C172	CAP4212			KDWH	KDWH	19:00	21:00	0.0		Pending Release
Edit Brief Debrief	A0994	08/23/17	RELO	C12	N9879E	C182	4240			S4T	KCXO	22:00	23:00	0.0		Cancel
Edit Release Brief Debrief	A0999	08/23/17	ACP	C12	N692CP	C172/G1000	4262			KEFD	KEFD	22:45	23:45	0.0		Pending Release
Edit Release Brief Debrief	A1002	08/23/17	F5	C7	N9879E	C182	4240			RWJ	RWJ	23:00	00:10	0.0		Pending Release

- Release link available on sortie list page.
- Mission release no longer available.

Pilot Information

Pilot Unit Phone F-Mail

Type	Details
Aircraft	None
CAP Pilot Exp	VFR Pilot - 31 Jul 2018
Other Qualifications	CAP Aircrew Rating - Does not expire CAP Observer Rating - Does not expire Instrument Pilot - 31 Jul 2018 Orientation Pilot - Airplane - 31 Jul 2018 Pilot Rating - Does not expire VFR Pilot - 31 Jul 2018
ES	MP - 28 Feb 2018 TWR - 31 Jul 2018

Trainer Information

Instructor: Instructor Unit Phone E-Mail

Type	Details
Aircraft	C152, C172
CAP Pilot Exp	VFR Pilot - 30 Sep 2017 VFR Pilot - G1000 - 30 Sep 2017
Other Qualifications	
ES	CAP Aircrew Rating - Does not expire CAP Observer Rating - Does not expire Instructor Pilot - Airplane - 30 Sep 2017 Instructor Pilot - G1000 - 30 Sep 2017 Instrument Pilot - 30 Sep 2017 Instrument Pilot - G1000 - 30 Sep 2017 Orientation Pilot - APROTC - 30 Sep 2017 Orientation Pilot - Airplane - 30 Sep 2017 Pilot Rating - Does not expire Senior Pilot Rating - Does not expire

ORM

Score: **Not Entered**

[Click here to complete ORM](#)

NOTE: Paper ORMs can be entered in on the FRO Checklist.

FRO Checklist

Status: **Not Complete**

[Click here to complete FRO Checklist](#)

NOTE: FRO Checklist has to be submitted before the flight can be released.

Flights to Release

Approve	Mission No/ sortie No	Pilot	Crew	Tail No	Aircraft Type	Sortie Type	Departure	Landing	Depart/Landing	Flight Plan	ORM Score		
	17-B-3088 / A0282		/ instructor	N963CP	C182/G1000	PCT04	08/24/2017 14:00	08/24/2017 16:30	KAVL / KAVL	NONE	ORM has not been submitted.	Update ORM	View High or Extreme ORM items
	17-B-3088 / A0283		/ instructor	N963CP	C182/G1000	PCT04	08/24/2017 17:30	08/24/2017 19:00	KAVL / KAVL	NONE	ORM has not been submitted.	Update ORM	View High or Extreme ORM items

Discrepancy Information

[Discrepancy Log](#)

[Garmin Alerts](#)

Additional Info/Release Options

This aircraft is Corporate owned.

[View IM Safe Checklist](#)

IM Safe Checklist Reviewed with Pilot

I spoke with the pilot in person or on phone

Disapprove

Aircraft Information

What aircraft (N number) is the pilot intending to fly?	N963CP
What type of aircraft is this?	C182/G1000
Are there any maintenance discrepancies for this aircraft?	Yes
Is the pilot aware of the discrepancies, if there are any? If not, review them with the pilot. In either case, do you confirm that the pilot can fly with these discrepancies.	<input type="radio"/> Yes <input type="radio"/> No
Is it legal to fly with these discrepancies?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Does it make sense to fly with these discrepancies?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
When was the last time the pilot flew this aircraft and this aircraft type?	Aircraft: 2017-08-17 Type: 2017-08-17

Mission Information

What mission is the pilot intending to fly on?	17-B-3088
What sortie(s) is the pilot requesting a release for?	A0282
What type(s) and profiles (if applicable) of sortie(s) is the pilot intending to fly?	<input type="text"/>
Where is the pilot intending to fly?	KAVL
Is the pilot intending to fly within the local area (50 NM)?	<input type="radio"/> Yes <input type="radio"/> No
Is a flight plan filed? If filing a flight plan, remind them to close it when finished.	<input type="radio"/> Yes <input type="radio"/> No
Route of flight?	<input type="text"/>
Is the pilot authorized to fly this route?	<input type="radio"/> Yes <input type="radio"/> No
Does the pilot have permission to fly to destinations outside the wing if required?	<input type="radio"/> Yes <input type="radio"/> No
Are all destinations along the route of flight authorized for landings in CAP aircraft?	<input type="radio"/> Yes <input type="radio"/> No
What time does the pilot expect to depart?	14:00:00
How long does the pilot intend to fly?	90 minutes
What time will the pilot land at the planned destination? Verify times.	15:30:00
What time will you initiate missing aircraft procedures is not notified the flight has been safely concluded? Establish a time that you will contact the pilot if you have not been notified of the pilot reaching his destination. Note: This time can be no longer than 2 hours after the estimated landing time.	<input type="text"/>
Verify that you have the best telephone number to reach the pilot to confirm completion of sortie if necessary.	<input type="text"/>
What type of weather does the pilot expect to see along the route flight?	<input type="text"/>
Is the pilot current and qualified to fly this type of sortie?	No
If the pilot is not qualified for this type of sortie, is the pilot properly supervised?	Yes



Changes for FY18

- Multiple levels for Flight Release
 - If the ORM score crosses a threshold, or the FRO feels it necessary, a “Senior FRO” will handle the release.
 - Some releases may require wing, region, and NHQ approval.



Changes for FY18

- ORM
 - No more “just check the first column”

Operational Risk Management Worksheet

This is the worksheet to calculate the score for the Operational Risk Management.

Airfield(s) Familiarity (Planned Departure and Landings including touch and goes)

- Familiar - Have taken off, landed and taxied at all airports in the sortie planned at least once in the last year
- Unfamiliar - Have not taken off, landed, and taxied at all airports in the sortie planned in the last year

Time of Day

- Day
- Civil Twilight
- Night (IFR Rated Pilot)
- Night (VFR Rated Pilot)

Thunderstorms (Forecast or Reported)

- None
- Few/Isolated; 25% or less
- Widely Scattered/Scattered; > 25% <= 60%
- Widespread; > 60%

Turbulence (Forecast or Reported)

- Calm
- Light
- Moderate (ex. AIRMET Tango)
- No Go - Forecast or Reported Severe or Extreme - No Waivers Authorized

Dew Point Temperature

Dry Bulb Temperature (F)

Wind (Knots)

Index of Thermal Stress

Wind Chill

Icing (Forecast or Reported)

- None
- Possible - Within 2,000'
- Very Possible - Within 1,000'
- Probable - Within 500'
- No Go - Icing at or below highest flight altitude - No Waivers Authorized

VFR Current and/or Forecast Flight ceiling/visibility at Departure and Destination airports (N/A for IFR flight plan)

- VFR - > 3,000' AGL Ceiling and > 5 SM Visibility
- Marginal VFR - 1,000' to 3,000' AGL Ceiling and/or 3 to 5 SM Visibility
- No Go - < 1,000' AGL Ceiling and/or < 3 SM Visibility - May only be authorized by CAP/DO or designee after Risk Mitigation

Instrument Meteorological Conditions Current and Forecast Flight ceiling/visibility at Departure and Destination Airports

- Good - > 1,000' AGL Ceiling and/or > 3 SM Visibility
- Fair - 500' to 1,000' AGL Ceiling and/or 1 to 3 SM Visibility
- Poor - < 500' AGL Ceiling and/or < 1 SM Visibility; Below departure airport approach minimums - CAP/DO or designee approval required.

Maximum Surface Winds (any direction including gusts)

- Light - <= 10 knots
- Moderate - > 10 knots <= 20 knots
- High - > 20 knots <= 30 knots
- Extreme - > 30 knots - Wing CC, CV or DO Approval (or higher level) required; when combined with other risk factors CAP/DO approval may be required.



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- The ORM will determine the “Heat Index” and “Wind Chill.”

$$\text{Heat Index} = -42.379 + 2.04901523T + 10.14333127R - 0.22475541TR - 6.83783 \times 10^{-3}T^2 - 5.481717 \times 10^{-2}R^2 + 1.22874 \times 10^{-3}T^2R + 8.5282 \times 10^{-4}TR^2 - 1.99 \times 10^{-6}T^2R^2$$

$$\text{Wind chill temperature} = 35.74 + 0.6215T - 35.75V^{(**0.16)} + 0.4275TV^{(**0.16)}$$



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Questions?

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