

3^d Weather Squadron

Integrity - Service - Excellence



Flimsy Explanation
Refer to FH Reg 115-1

3 August 2020

3 WS/WOC

POC: 288-4342



Overview

- The 3 WS MWP Flimsy is designed to incorporate the needs of most Fort Hood missions into a single product for mission planning of flight operations within the local flying area as defined in ***FH Reg 95-1***
- The flimsy specifically provides mission planning and execution information for the following areas/locations:
 - Fort Hood Reservation as defined in ***FH Reg 95-1*** to include RGAAF/HAAF, Longhorn/Shorthorn Auxiliary Airfields, R6302, training areas, ranges (i.e., Crittenberger Range), landing strips (i.e., UAS operations at Landing Strip Cold Springs (LSCS) and Landing Strip 50 (LS50), drop/landing zones, Forward Arming and Refueling Points (FARPs) (i.e., FARP West and FARP East), etc.
 - Maintenance Test Flight Areas III, IV, V, and VI (FH Reg 95-1)
 - Western Training Area (WTA) (FH Reg 95-1)



Production

3D COMBAT WEATHER SQUADRON (3 CWS) - FORT HOOD MISSION PLANNING / EXECUTION FORECAST															
DATE:	3-Aug-20	VALID TIME:	3/0800Z - 3/2000Z	MEF #	03	B	REV #		TIME:		PLEASE PROVIDE FEEDBACK				
FORECASTER:	SrA Cudnohufsky			FORT HOOD - 3 WS WEBPAGE			RGAAF METRO:	306.5 UHF							
SOLAR / LUNAR DATA										SPACE WEATHER IMPACTS					
DATE	BMNT	SR	SS	EENT	MR	MS	ILLUM	MOON ANGLE $\geq 30^\circ$		GPS	G	Unlikely Degradation			
3-Aug-20	0553L	0650L	2024L	2122L	2051L	0638L	100%	0000 - 0315		UHF	G	Unlikely Degradation			
4-Aug-20	0553L	0651L	2024L	2121L	2129L	0738L	97%	0000 - 0430		HF	G	Unlikely Degradation			
FLIGHT LEVEL WINDS (KNOTS) AND TEMPERATURES (°C) - FORT HOOD RESERVATION															
500' AGL		1,000' AGL		2,000' AGL		3,000' AGL		5,000' MSL		6,000' MSL		8,000' MSL		10,000' MSL	
26010	25°C	26010	24°C	27005	22°C	29005	20°C	35005	18°C	01005	16°C	36015	11°C	36025	08°C

- Flimsy will be generated/disseminated 24/7 every 8 hours and is valid for 12 hours

FLIMSY	DISSEMINATION TIME	VALID TIME
A	00Z	0000Z - 1200Z
B	08Z	0800Z - 2000Z
C	16Z	1600Z - 0400Z

3 WS MEF Flimsy Valid Times



Amendments

3D COMBAT WEATHER SQUADRON (3 CWS) - FORT HOOD MISSION PLANNING / EXECUTION FORECAST															
DATE:	3-Aug-20	VALID TIME:	3/0800Z - 3/2000Z		MEF #	03	B	REV #		TIME:		PLEASE PROVIDE FEEDBACK			
FORECASTER:	SrA Cudnohufsky		FORT HOOD - 3 WS WEBPAGE				RGAAF METRO:	306.5 UHF							
SOLAR / LUNAR DATA										SPACE WEATHER IMPACTS					
DATE	BMNT	SR	SS	EENT	MR	MS	ILLUM	MOON ANGLE $\geq 30^\circ$		GPS	G	Unlikely Degradation			
3-Aug-20	0553L	0650L	2024L	2122L	2051L	0638L	100%	0000 - 0315		UHF	G	Unlikely Degradation			
4-Aug-20	0553L	0651L	2024L	2121L	2129L	0738L	97%	0000 - 0430		HF	G	Unlikely Degradation			
FLIGHT LEVEL WINDS (KNOTS) AND TEMPERATURES (°C) - FORT HOOD RESERVATION															
500' AGL		1,000' AGL		2,000' AGL		3,000' AGL		5,000' MSL		6,000' MSL		8,000' MSL		10,000' MSL	
26010	25°C	26010	24°C	27005	22°C	29005	20°C	35005	18°C	01005	16°C	36015	11°C	36025	08°C

- The Flimsy will be amended (revised) when any mission limiting thresholds (MLTs):
 - (1) Occurs; was not forecast to occur and is expected to continue
 - (2) Is forecasted to occur and does not occur and is no longer expected to occur
- Amendments numbered with a numeric suffix for each revision and time of amendment



Mission Limiting Thresholds (MLTs)

(1) Ceiling less than:

- Fort Hood Reservation: **5000(UAS), 3000(UAS), 1000, 500 ft**
- Maintenance Test Flight Areas and WTA: **3000 / 1000 ft**

(2) Visibility less than:

- Fort Hood Reservation: **5(UAS), 3, 1, 1/2 SM**
- Maintenance Test Flight Areas and WTA: **3 SM**

(3) Surface Wind:

- Fort Hood Reservation: **≥ 25, ≥ 35, ≥ 45 kt**
- Maintenance Test Flight Areas and WTA: **≥ 35, ≥ 45 kt**

(4) Thunderstorms (All Areas)

(5) Moderate or greater Turbulence/Icing (All Areas)

(6) Low-level Wind Shear (within 50 nm of Fort Hood)

(7) Severe UHF/HF Degradation; GPS Errors ≥ 50 m (All Areas)

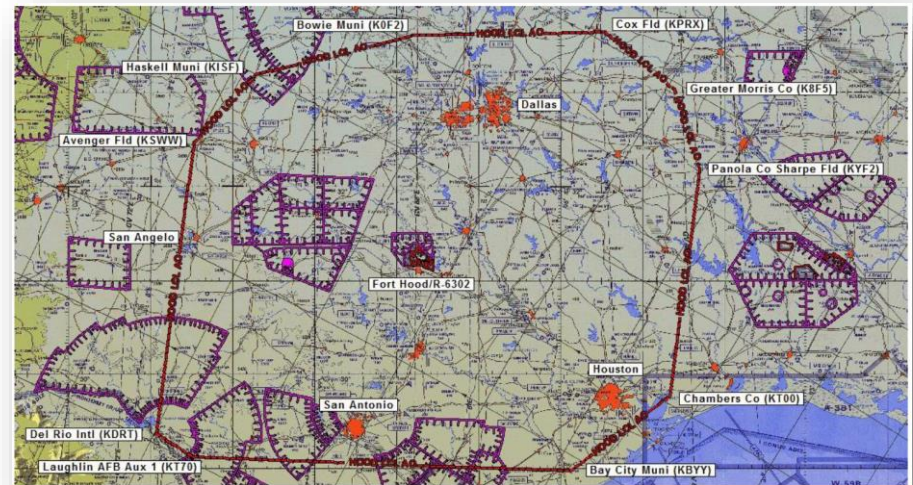


Flight Hazards

FLIGHT HAZARDS FOR LOCAL FLYING AREA (IAW FHR 95-1)			
HAIL, SEVERE TURB/ICING, HEAVY PRECIP, LIGHTNING & WIND SHEAR EXPECTED IN & NEAR T-STORMS			MIN FREEZING LEVEL
CAT III ACFT: MC-12, MQ-1C // CAT II ACFT: UH-60, AH-64, CH-47 // CAT I ACFT: RQ-7 (Shadow) (TURBULENCE FORECASTS MUST BE CONVERTED FOR DIFFERENT CATEGORIES OF AIRCRAFT)			150 MSL
HAZARDS	INTENSITY/COVERAGE	LEVELS (MSL)	LOCATION
THUNDERSTORMS	NONE	MAX TOPS	
ICING	NONE		
TURBULENCE (CAT II)	NONE		
LLWS	NONE		

Criteria	Green	Amber	Red
Thunderstorms	None		Any
Icing	None	Light	≥ Moderate
Turbulence (CAT II)	None - Light	Moderate	≥ Severe

- Flight Hazards forecast for entire **Local Flying Area** as defined in FH Reg 95-1





Fort Hood Reservation Area Forecast

FORT HOOD RESERVATION AREA FORECAST (INCLUDES RGAAF, HAAF, LONGHORN AND SHORTHORN AUXILIARY AIRFIELDS)														
VALID TIME	MIN CIG (AGL)	MIN VIS (sm)	SIG WX	SURFACE WIND		MAX TEMP		MAX DPT	RH %	MIN ALSTG	RGAAF		HAAF	
						°C	°F	°C			MAX PA	MAX DA	MAX PA	MAX DA
0800Z - 0900Z	NONE	7		18006		24	75	18	69%	30.00	942 ft	2578 ft	851 ft	2466 ft
0900Z - 1000Z	NONE	7		18006		24	75	18	69%	29.99	951 ft	2590 ft	860 ft	2477 ft
1000Z - 1100Z	NONE	7		19006		23	73	19	78%	30.00	942 ft	2445 ft	851 ft	2333 ft
1100Z - 1200Z	NONE	7		20006		22	72	20	88%	30.01	933 ft	2301 ft	842 ft	2189 ft
1200Z - 1300Z	NONE	7		22006		22	72	19	83%	30.02	924 ft	2290 ft	833 ft	2177 ft
1300Z - 1400Z	NONE	7		25006		24	75	21	83%	30.04	905 ft	2533 ft	814 ft	2421 ft
1400Z - 1600Z	NONE	7		30006		31	88	22	59%	30.05	896 ft	3470 ft	805 ft	3358 ft
1600Z - 1800Z	NONE	7		33006		35	95	21	44%	30.03	914 ft	4053 ft	823 ft	3940 ft
1800Z - 2000Z	NONE	7		01006		37	99	15	27%	29.98	960 ft	4395 ft	869 ft	4283 ft

Criteria	Green	Amber	Red
Minimum Ceiling	≥ 5,000	< 5,000	< 500
Minimum Visibility	≥ 5sm	< 5sm	< 1/2sm
Significant <u>Wx</u>	None	Any Precip	TS and/or FZ
Winds	< 25 <u>kts</u>	≥ 25 <u>kts</u>	≥ 45 <u>kts</u>

- Time periods are color coded based on forecast conditions (2-hour blocks)
- Forecast is for worse case conditions for the time period for the entire Fort Hood Reservation area



Local Flying Area Forecasts

LOCAL FLYING AREA FORECASTS	
AUSTIN (KAUS)	WACO (KACT)
KAUS 030538Z 0306/0412 0000KT P6SM FEW250 FM032100 05005KT P6SM SCT050 SCT250	KACT 030526Z 0306/0406 19003KT P6SM FEW250 FM031300 30003KT P6SM FEW250 FM031700 02005KT P6SM SCT050
COLLEGE STATION (KCLL)	HOUSTON (KIAH)
KCLL 030520Z 0306/0406 VRB04KT P6SM SCT250 FM031500 26005KT P6SM FEW060 SCT250 FM031900 36006KT P6SM VCTS SCT060CB SCT250 FM040100 03005KT P6SM FEW070 SCT250	KIAH 030520Z 0306/0412 VRB03KT P6SM FEW020 FEW250 FM031500 28005KT P6SM FEW050 SCT250 FM032100 VRB06KT P6SM VCTS SCT060CB SCT250 FM040000 VRB04KT P6SM SCT050 BKN120 FM040400 VRB04KT P6SM SCT120

- Current TAF at time of MEF (00Z, 08Z, 16Z, or latest amendment)
- MEF is not amended if any of the TAFs are amended by the NWS unless MEF specific amendment criteria (MLTs) are met.



Maintenance Test Flight Areas

(As Defined in FH Reg 95-1)

TEST FLIGHT AREA (TFA) // (IAW FHR 95-1)									
VALID TIME	0800 - 1200Z								
LOCATION	TFA III		TFA IV		TFA V		TFA VI		
MIN CIG (AGL)	030		030		030		030		
MIN VIS (SM)	2		1		1/4		1/4		
SIG WX	FG		FG		FG		FG		
SFC WND	10005		10005		10005		10005		
VALID TIME	1200 - 1600Z								
LOCATION	TFA III		TFA IV		TFA V		TFA VI		
MIN CIG (AGL)	030		030		003		003		
MIN VIS (SM)	3		1		1/2		1/2		
SIG WX	FG		FG		FG		FG		
SFC WIND	18015	G30	18015	G25	18015	G30	18015	G30	
VALID TIME	1600 - 2000Z								
LOCATION	TFA III		TFA IV		TFA V		TFA VI		
MIN CIG (AGL)	030		025		025		025		
MIN VIS (SM)	7		7		7		7		
SIG WX									
SFC WIND	18015	G25	18015	G25	18015	G25	18015	G25	

- 4-hour forecasts for worse conditions expected

Criteria	Green	Amber	Red
Minimum Ceiling	≥ 3,000	< 3,000	< 1,000
Minimum Visibility	≥ 3sm		< 3sm
Significant <u>Wx</u>	None	Any Precip	TS and/or FZ
Winds	< 35 <u>kts</u>	≥ 35 <u>kts</u>	≥ 45 <u>kts</u>



Western Training Area (WTA)

(As Defined in FH Reg 95-1)

- 4-hour forecasts for worse conditions expected

WESTERN TRAINING AREA // (IAW FHR 95-1)								
VALID TIME	0800 - 1200Z							
LOCATION	NE		SE		SW		NW	
MIN CIG (AGL)	030		030		NONE		NONE	
MIN VIS (SM)	1		1/4		7		7	
SIG WX	FG		FG					
SFC WND	10005		10005		19012		19012	
VALID TIME	1200 - 1600Z							
LOCATION	NE		SE		SW		NW	
MIN CIG (AGL)	030		003		NONE		NONE	
MIN VIS (SM)	3		1/2		7		7	
SIG WX	FG		FG					
SFC WIND	18015	G25	18015	G25	19015	G25	19015	G25
VALID TIME	1600 - 2000Z							
LOCATION	NE		SE		SW		NW	
MIN CIG (AGL)	030		025		NONE		NONE	
MIN VIS (SM)	3		7		7		7	
SIG WX								
SFC WIND	18015	G25	18015	G25	20015	G30	20015	G30

Criteria	Green	Amber	Red
Minimum Ceiling	≥ 3,000	< 3,000	< 1,000
Minimum Visibility	≥ 3sm		< 3sm
Significant <u>Wx</u>	None	Any Precip	TS and/or FZ
Winds	< 35 <u>kts</u>	≥ 35 <u>kts</u>	≥ 45 <u>kts</u>



Mission Planning/Execution Flimsy

3d WEATHER SQUADRON - FORT HOOD MISSION PLANNING / EXECUTION FORECAST															
DATE:	+5sep-16		VALID TIME:	+10800Z - +12000Z		MEF#	01 B		REV #			TIME:			
FORECASTER:	SRA SMITH		3d WS Homepage:		www.hoodcamp.mil/3ws		RGAAF METRO:		306.5 UHF						
SOLAR / LUNAR DATA							SPACE WEATHER IMPACTS								
DATE	BMNT	SR	SS	EENT	MR	MS	ILLUM	MOON ANGLE 2.30°	GPS	G	Unlikely Degradation				
+5sep-16	0644L	0708L	1954L	2047L	0720L	2013L	1%		DAYLIGHT	UHF	G	Unlikely Degradation			
+5sep-16	0615L	0708L	1953L	2046L	0815L	2048L	3%		DAYLIGHT	HF	G	Unlikely Degradation			
FLIGHT LEVEL WINDS (KNOTS) AND TEMPERATURES (°C) - FORT HOOD RESERVATION															
500' AGL		1,000' AGL		2,000' AGL		3,000' AGL		5,000' MSL		6,000' MSL		8,000' MSL		10,000' MSL	
15015	22°C	15035	24°C	15040	25°C	15035	21°C	17025	18°C	17025	19°C	19020	09°C	19020	07°C
FLIGHT HAZARDS FOR LOCAL FLYING AREA (LAW FHR 95-1)															
HAIL, SEVERE TURB, ICING, HEAVY PRECP, LIGHTNING & WIND SHEAR EXPECTED IN & NEAR T-STORMS															
CAT III ACFT: MQ-13, MQ-4C // CAT II ACFT: UH-60, AH-64, OH-47, UC-35, C-208 // CAT I ACFT: RQ-7 (Shadow) (TURBULENCE FORECASTS MUST BE CONVERTED FOR DIFFERENT CATEGORIES OF AIRCRAFT)															
PLEASE PROVIDE FEEDBACK															
HAZARDS	INTENSITY/COVERAGE	LEVELS (MSL)		LOCATION											
THUNDERSTORMS	ISOLATED	MAX TOPS 450		EAST OF 135 AFT 18Z											
ICING	LGT RIME	130 - 240		SOUTH OF A LINE SJT - AUS - HOU											
TURBULENCE (CAT II)	LGT	SFC-030		ENTIRE LOCAL FLYING AREA AFT 15Z		MIN FREEZING LEVEL									
LLWS	09-15Z	SFC-020 AGL		WITHIN 50NM OF FORT HOOD		130		MSL							
FORT HOOD RESERVATION AREA FORECAST (INCLUDES RGAAF, HAAF, LONGHORN AND SHORTHORN AUXILIARY AIRFIELDS)															
VALID TIME	MIN CG (AGL)	MIN VIS (sm)	SIG WX	SURFACE WND	MAX TEMP		MAX DPT	RH %	MIN ALSTG	RGAAF		HAAF			
					°C	°F				MAX PA	MAX DA	MAX PA	MAX DA		
0800Z - 0900Z	001	1/4	FG	10005	23	73	23	100%	29-92	1016 ft	2536 ft	925 ft	2423 ft		
0900Z - 1200Z	001	1/4	FG	10005	23	73	23	100%	29-92	1016 ft	2536 ft	925 ft	2423 ft		
1200Z - 1400Z	001	1/4	FG	12007	24	75	23	94%	29-92	1016 ft	2666 ft	925 ft	2557 ft		
1400Z - 1600Z	008	3	BR	18015	27	81	21	70%	29-92	1016 ft	3071 ft	925 ft	2959 ft		
1600Z - 1800Z	015	7		18015	28	82	20	62%	29-90	1034 ft	3229 ft	943 ft	3117 ft		
1800Z - 2000Z	250	7		18015	G25	28	82	19	58%	29-88	1053 ft	3254 ft	962 ft	3140 ft	
KGRK TERMINAL AERODROME FORECAST (TAF)															
TAF KGRK 010755Z 01090214 16009KT 0400 FG OVC001 QNH2992INS TEMPO 01080115 0800 -DZ OVC002 BECMG 01140115 18012KT 9999 NSW BKN015 QNH2992INS BECMG 01170118 16015G25KT 9999 SCT050 BKN250 QNH2990INS BECMG 01200121 15015G25KT 4800 -SHRA VCTS SCT015CB OVC030 QNH2988INS TEMPO 02030206 VRB25G35KT 3200 TSRA OVC015CB TX28@121Z TN2 10111Z BECMG 02050206 17010KT 9999 NSW SCT035 BKN050 BKN150 QNH2987INS															
TEST FLIGHT AREA (TFA) // (LAW FHR 95-1)							WESTERN TRAINING AREA // (LAW FHR 95-1)								
VALID TIME 0800 - 1200Z							VALID TIME 0800 - 1200Z								
LOCATION	TFA III	TFA IV	TFA V	TFA VI			LOCATION	NE	SE	SW	NW				
MIN CG (AGL)	030	030	030	030			MIN CG (AGL)	030	030	NONE	NONE				
MIN VIS (SM)	2	2	1/4	1/4			MIN VIS (SM)	1	1	7	7				
SIG WX	FG	FG	FG	FG			SIG WX	FG	FG						
SFC WND	10005	10005	10005	10005			SFC WND	10005	10005	19012	19012				
VALID TIME 1200 - 1600Z							VALID TIME 1200 - 1600Z								
LOCATION	TFA III	TFA IV	TFA V	TFA VI			LOCATION	NE	SE	SW	NW				
MIN CG (AGL)	030	030	003	003			MIN CG (AGL)	030	003	NONE	NONE				
MIN VIS (SM)	3	3	1/2	1/2			MIN VIS (SM)	3	3	7	7				
SIG WX	FG	FG	FG	FG			SIG WX	FG	FG						
SFC WND	18015	G30	18015	G25	18015	G30	SFC WND	18015	G25	18015	G25	19015	19015	G25	
VALID TIME 1600 - 2000Z							VALID TIME 1600 - 2000Z								
LOCATION	TFA III	TFA IV	TFA V	TFA VI			LOCATION	NE	SE	SW	NW				
MIN CG (AGL)	030	025	025	025			MIN CG (AGL)	030	025	NONE	NONE				
MIN VIS (SM)	7	7	7	7			MIN VIS (SM)	3	7	7	7				
SIG WX							SIG WX								
SFC WND	18015	G25	18015	G25	18015	G25	SFC WND	18015	G25	18015	G25	20015	G30	20015	G30