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Project Name: HYR R3 INCREASE CIRCLING MDA ALL CATS; UPDATE HELO NOTE.

Project Reason: NEW CONTROLLING OBSTACLES EXIST FOR ALL CIRCLING CATEGORIES. CIRCLING CAT A: 1545 MSL TREE 55-046112 AT 460031.82N/0912516.18W, AC 1B. 1545 TREE + 300' ROC = 1845 MDA ROUNDS TO 1860. CIRCLING CAT B: 1752 MSL TOWER 55-000206 AT 460009.32N/0912432.64W; AC 1B. 1752 TOWER + 300' ROC = 2052 MDA ROUNDS TO 2060 MDA. CIRCLING CATS C/D: 1770 MSL TOWER 55-001301 AT 455952.87N/0912415.63W; AC 4D. 1770 MSL TOWER + 300' ROC + 50 (ACCURACY CODE) = 2120 MDA. Since this airports weather is transmitted on ASOS, a joint FAA/NWS/DOD sponsored weather reporting system, all weather related notes moved to the back of the -9. DELETED ALTIMETER SETTING NOTE, BARO-VNAV AND VDP NOTE. UPDATE HELICOPTER NOTE TO REFERENCE RWY 3 IAW 8260.19H PARA 8-6-11K(3). UPDATE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED NOTE PER VISCHECK CALCULATOR. ADD PBN REQUIREMENTS NOTE IAW 8260.19H PARA 8-6-8B.

Last Updated By: THOMAS KIRKPATRICK

Last Updated At: 2018-03-02 14:26:55.220485

Status: Verified

IFDC 8/7644 HYR IAP SAWYER COUNTY, Hayward, WI. RNAV (GPS) RWY 3, ORIG-D... CIRCLING CAT A MDA1860/HAA 644, CAT B MDA 2060/HAA 844, CAT C/D MDA 2120/HAA 904, VISIBILITY CAT B 1 1/4 SM, CAT C 2 3/4 SM, CAT D 3 SM. DELETE NOTE: BARO-VNAV AND VDP NA WHEN USING ASHLAND ALTIMETER SETTING. DELETE NOTE: DME/DME RNP-0.3 NA. PBN REQUIREMENTS NOTE: RNP APCH. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHLAND ALTIMETER SETTING AND INCREASE ALL DA 143 FEET AND ALL VISIBILITY 1/2 MILE, INCREASE ALL MDA 160 FEET, INCREASE LNAV CAT C/D VISIBILITY 3/8 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 3, ORIG-E. 1803021426-PERM

*Digitally signed by*

**ALLAN WILL**

Aug 01, 2018



# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA										
1. APP SEGMENT		FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.	
FEEDER	ALEEN		SAPNY	1. TOWER (50-0254)	455002.00N/0915402.00W	1712 (5D)	1000	AT388	3100	
				2. TERRAIN	453854.00N/0920530.00W	1454 (1500)		AS1500	3000	
INITIAL	ENTAF		RIGET	3. TOWER (50-0881)	452941.00N/0913410.00W	1920 (5D)	1000		3000	
				4. TERRAIN	452857.00N/0913400.00W	1641 (1600)		AS1500	3100	
INITIAL	SAPNY		RIGET	5. 200' AAO	455057.00N/0913415.00W	1605 (4E)	1000	AT495	3100	
				6. TERRAIN	455057.00N/0913415.00W	1405 (1400)		AS1500	2900	
INTERMEDIATE	RIGET (IF/IAF)		PECRO	7. TOWER (50-1637)	455224.00N/0913240.00W	1748 (4D)	500		2300	
				8. TERRAIN	455433.00N/0912906.00W	1451 (1500)		AS1500	3000	
FINAL: LPV	PECRO		RW03	9. TREE (KHYRA039)	460044.05N/0912712.13W	1293 (1A)	27.03:1		1514/300	
FINAL: LNAV/VNAV	PECRO		RW03	TANK (55-020196)	460034.92N/0912851.85W	1356 (1A)	PDA		1916/702	
FINAL: LNAV	PECRO		RW03	10. 100' TREE	455803.90N/0912822.64W	1529 (2C)	250		1780	
2. HOLD-IN-LIEU-OF-PT	RIGET		P-5	7. TOWER (50-1637)	455224.00N/0913240.00W	1748 (4D)	1000	AT352	3100	
3. MISSED APPROACH	MAP:	DA / DA / RW03	DAIVE	11. TERRAIN	454427.00N/0913209.00W	1523 (1500)		AS1500	3000	
				12. AAO	460906.00N/0911815.00W	1838	1000		3300	
	ELEV:	1293/1290/1530		13. TERRAIN	460906.00N/0911815.00W	1638 (1600)		AS1500	2900	
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.							3100	
CATEGORY A	1.3 NM	350	644	14. TREE (55-046112)	460031.82N/0912516.18W	1545 (1B)	300		1860	
CATEGORY B	1.5 NM	450	844	15. TOWER (55-000206)	460009.32N/0912432.64W	1752 (1B)	300		2060	
CATEGORY C	1.7 NM	450	904	16. TOWER (55-001301)	455952.87N/0912415.63W	1770 (4D)	300	AC50	2120	
CATEGORY D	2.3 NM	550	904	16. TOWER (55-001301)	455952.87N/0912415.63W	1770 (4D)	300	AC50	2120	
CATEGORY E	4.5 NM	550								
5. MINIMUM SAFE ALTITUDES										
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	
360-360	AAO	174/20.5	2018	3100						
CITY AND STATE			ELEVATION: 1216		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION	
HAYWARD, WI			AIRPORT NAME: SAWYER COUNTY		RNAV		RNAV (GPS) RWY 3, ORIG-E		AGL	

PART B - SUPPLEMENTAL DATA									
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING			
ZMP ARTCC GRB FSS			N W S F A A A / C			SOURCE:KHYR / KASX			
						DISTANCE: 0 / 38.23			
						HOURS REMOTE OPERATION:			
SATISFACTORY ON:									
X	V	H	F	X	U	H	F	H	F
PRIMARY NAVAID:			LOCATION: KHYR						
4. MONITOR STATUS			ADJUSTMENT: 0						
MONITOR POINT:									
HRS OPTN:			CAT 1						
			CAT 3						
5. APPROACH & RUNWAY LIGHTING			ALS						
			(S) SALS						
			X MALSR 21 (PCL)						
			HIRL						
			X MIRL 03 (PCL), 21 (PCL)						
			X REIL 03 (PCL)						
			TDZ						
			C/LINE						
			X OTHER (SPECIFY) PAPI-4R 21 (PCL) PAPI-4L 03 (PCL)						
6. RUNWAY MARKINGS			BASIC						
			ALL WEATHER PIR-F 21						
			INSTRUMENT NPI-F 03						
7. RUNWAY VISUAL RANGE			APPROACH						
			MIDFIELD						
			ROLL OUT						
8. GLIDE PATH			GP ANGLE: 3.00			ELEV RWY THRESHOLD: 1208.6			
			DISTANCE FROM RWY:			ELEV GP ANTENNA:			
9. FINAL APPROACH COURSE AIMING			X			RUNWAY THRESHOLD FT. FROM THRESHOLD			
			X			ON CENTERLINE FT. FROM CENTERLINE			
10. WAIVERS: NONE									
PART D - PREPARED BY: MIKE MELLSSEN									
DATE: 01/10/2018									
TITLE: AERONAUTICAL INFORMATION SPECIALIST									
OFFICE: AJV-5412									

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA NOT DEVELOPED / TURF RUNWAY 16/34 NOT EVALUATED FOR IFF DEVELOPMENT.

TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2010-2014).

CONTINGENCY ALTIMETER NOTE: USE ASHLAND ALTIMETER SETTING AND INCREASE LPV DA TO 1657 AND VISIBILITY TO 1 3/8 SM ALL CATS, INCREASE LNAV/NAV DA TO 2059, INCREASE ALL MDA 160 FEET AND LNAV CAT C VISIBILITY TO 2 SM, AND CAT D VISIBILITY TO 3 SM, INCREASE CIRCLING CAT B VISIBILITY TO 1 1/2 SM, AND CAT C TO 3 SM. BARO-VNAV AND VDP NA.

CRITICAL TEMPERATURES:

CRITICAL LOW :-22C (-7F)

CRITICAL HIGH :-54C (+130F)

ACT :+35.23C

APT ISA :-33C

CRITICAL TEMPERATURE REMARKS

DESCENT RATE (FPM): STANDARD TEMP 970 HIGH TEMP 1133.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

CAT A: 1.31NM

CAT B: 1.85NM

CAT C: 2.91NM

CAT D: 3.81NM

NO ADDITIONAL AIRSPACE REQUIRED.

RASS PRESSURE PATTERNS THE SAME

KHYR 1216, KASX 826.5

RA = 142.5.

OBST. 12: USED IPDS DERIVED ACCURACY.

REMOTE ALTIMETER ROUNDED TO 160' AND PUBLISHED AS A NOTE.

"VISUAL PORTION OF FINAL" PENETRATIONS:

34:1

1294 TREE (KHYRT0577) 460044.67N/0912703.35W (12.94)

1269 TREE (KHYRT0490) 460055.66N/0912709.34W (12.46)

1256 TREE (KHYRT0456) 460059.27N/0912706.98W (11.28)

1291 TREE (KHYRT0572) 460046.51N/0912707.91W (10.95)

1290 TREE (KHYRT0571) 460046.52N/0912707.87W (10.02)

1290 TREE (KHYRA034) 460044.65N/0912703.35W (8.89)

1299 TREE (KHYRT0679) 460044.10N/0912712.15W (8.75)

1292 TREE (KHYRA036) 460043.88N/0912704.93W (7.43)

1292 TREE (KHYRT0599) 460044.11N/0912705.67W (7.41)

1254 TREE (KHYRT0458) 460058.51N/0912706.79W (7.39)

1285 TREE (KHYRT0565) 460046.02N/0912703.92W (7.10)

1287 TREE (KHYRA032) 460046.48N/0912707.91W (6.87)

1287 TREE (KHYRA033) 460044.97N/0912704.28W (5.95)

1288 TREE (KHYRT0581) 460046.34N/0912709.74W (5.90)

1290 TREE (KHYRT0602) 460044.07N/0912705.66W (5.31)

1289 TREE (KHYRT0593) 460045.65N/0912709.53W (5.22)

1255 TREE (KHYRT0472) 460057.36N/0912707.57W (4.60)

1285 TREE (KHYRT0575) 460046.06N/0912707.34W (4.23)

1295 TREE (KHYRT0689) 460043.18N/0912710.46W (3.73)

1288 TREE (KHYRA037) 460044.09N/0912705.66W (3.36)

1260 TREE (KHYRT0491) 460055.34N/0912708.65W (3.20)

1248 TREE (KHYRA024) 460059.01N/0912706.71W (2.81)

CONT.

