

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
COPTER RNAV (GPS) SPECIAL INSTRUMENT APPROACH PROCEDURE
SPECIFICATION – NOT FOR COCKPIT USE**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

<u>HELIPORT</u>		<u>HELIPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
MERCYONE NEW HAMPTON MEDICAL CENTER		IA50	COPTER RNAV (GPS) 038	ORIG-A	NEW HAMPTON	IA
<u>SURFACE ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1170		COPTER RNAV (GPS) 038	ORIG	01/10/2013	0E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			ROUTINE			

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HOKLU	IAF	PEACE		TF	FB	1.00	308.73	3.00	3000
JILUN	IAF	PEACE		TF	FB	1.00	127.26	3.00	3000
PEACE	IF	RURRY		TF	FB	1.00	037.97	3.00	2200
RURRY	FAF	ZUKEL	MAP	TF	FO	0.30	037.98	2.00	
ZUKEL	MAP	1660 MSL		CA			037.98		
1660 MSL		TIVNY		DF	FO				3000

MISSED APPROACH

MAP:

LNAV: ZUKEL

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT TIVNY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT PEACE
3. FAC: 037.98

FAF: RURRY

DIST FAF TO MAP: 2.00

DIST FAF TO THLD:
4. MIN ALT: PEACE 3000, RURRY 2200
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:
6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:
7. GP ANGLE:

34:1:

20:1:

TCH:
8. MSA FROM: ZUKEL 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: PROCEED VFR FROM ZUKEL OR CONDUCT THE SPECIFIED MISSED APPROACH.
CHART PLANVIEW NOTE: INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE.
CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH TO 70 KIAS.
CHART PLANVIEW NOTE: LIMIT INITIAL AND INTERMEDIATE APPROACH TO 90 KIAS.
CHART NOTE: USE OF MERCYONE NEW HAMPTON MEDICAL CENTER REQUIRES PERMISSION OF THE OWNER; USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
CHART NOTE: USE NORTHEAST IOWA RGNL ALTIMETER SETTING.
CHART NOTE: HELIPORT LIGHTS CONTROLLED BY PHOTOCELL OR PRIOR ARRANGEMENT.

ADDITIONAL FLIGHT DATA:

MERCYONE NEW HAMPTON MEDICAL CENTER, IA50, 1159, 019.99/0.65
FAS OBST: 1360 AAO 430260N/0921947W.
CHART 1482 TWR 430246N/0921810W.
HOLD SW, RT, 038.03 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	COPTER														
FINAL TYPE	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS	DA/MDA	VIS	HAS
LNAV MDA	1660	3/4	490		NA			NA			NA				

CHANGES - REASONS

1. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "MERCY MEDICAL CENTER, IA50, 1159, 019.19 / 0.65" TO "MERCYONE NEW HAMPTON MEDICAL CENTER, IA50, 1159, 019.99 / 0.65". - HOSPITAL NAME CHANGED.
2. UPDATED NOTE FROM " USE OF MERCY MEDICAL CENTER REQUIRES PERMISSION..." TO "USE OF MERCYONE NEW HAMPTON MEDICAL CENTER REQUIRES PERMISSION...". - HOSPITAL NAME CHANGED.
3. ADDED EQUIPMENT REQUIREMENTS NOTE: RNP APCH. - IAW 8260.19H.
4. UPDATED MSA FROM "ZUKEL 2800" TO "ZUKEL 2900". - NEW CONTROLLING OBSTACLE.



SUBMITTED BY

OFFICE

DATE

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

DEVELOPED BY

Digitally signed by

CHRISTINE BAYSE

CHRISTINE BAYSE

Oct 07, 2019

OFFICE

Oct 08, 2019

DATE

09/20/2019

RECOMMENDED BY

GEORGE E. DAVIS

Digitally signed by

WARDELL HENNING

Oct 08, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER

APPROVED BY

OFFICE

DATE

TITLE



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

HELIPORT	HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	SURFACE ELEVATION	FACILITY
MERCYONE NEW HAMPTON MEDICAL CENTER	IA50	COPTER RNAV (GPS) 038	ORIG-A	NEW HAMPTON	IA	1170	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM HOKLU TO PEACE

<u>RNP</u>	<u>DISTANCE</u> 3.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	425937.96N/0922547.00W	1330	164	98	4E	1000				AT670	3000
2.TERRAIN	425937.96N/0922547.00W	1130 (1100)								AS1500	2600

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

INITIAL

FROM JILUN TO PEACE

<u>RNP</u>	<u>DISTANCE</u> 3.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.AAO	430142.41N/0922741.91W	1350	164	98	4E	1000				AT650	3000
4.TERRAIN	430142.41N/0922741.91W	1150 (1200)								AS1500	2700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



<u>HELIPORT</u> MERCYONE NEW HAMPTON MEDICAL CENTER	<u>HELIPORT ID</u> IA50	<u>PROCEDURE NAME</u> COPTER RNAV (GPS) 038	<u>AMDT NO.</u> ORIG-A	<u>CITY</u> NEW HAMPTON	<u>STATE</u> IA	<u>SURFACE ELEVATION</u> 1170	<u>FACILITY</u> RNAV				
INTERMEDIATE											
<u>FROM</u> PEACE				<u>TO</u> RURRY							
<u>RNP</u>	<u>DISTANCE</u> 3.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>		<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	425937.96N/0922547.00W	1330	164	98	4E	500				AT370	2200
2.TERRAIN	425937.96N/0922547.00W	1130 (1100)								AS1000	2100

<u>COMPUTATIONS</u>											
<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>

SEGMENT REMARKS:

FINAL: LNAV

<u>FROM</u> RURRY				<u>TO</u> ZUKEL							
<u>RNP</u>	<u>DISTANCE</u> 2.00	<u>PAT</u>	<u>MAP</u> ZUKEL	<u>HAT</u> 490		<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.AAO	430259.75N/0921946.98W	1360	50	20	2C	250				RA36	1660

<u>COMPUTATIONS</u>											
<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

ZUKEL

TO

TIVNY

RNP	DISTANCE	PAT	MAP	HAT				HMAS 1374				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
6.AAO	430802.90N/0921703.48W		1480				1000					2500
7.TERRAIN	430802.90N/0921703.48W		1280 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☒ NOT AUTHORIZED

MSA

CENTER

ZUKEL

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	WIND TURBINE (2017-WTE-6588-OE)	432242.07N/0922050.61W	357	19.5	1827	250	50	4D	1000			2900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TERRAIN ELEVATION DETERMINED BY QUAD CHART.
TREE HEIGHT DETERMINED BY QUAD CHART.
ATC COORDINATION WITH WATERLOO APP CON.
10500 FOOT VISUAL SEGMENT LEVEL SURFACE AREA EVALUATED; ONE PENETRATING OBSTACLE FOUND TWR 14824302.46N/0921810.00W.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ALO APP CON

WX SERVICE AWOS	LOCATION KCCY	HRS OPERATION 24	ALTIMETER SOURCE KCCY	DISTANCE 12.711	SERVICE-A Y	ADJUSTMENTS 36
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME KCCY 1125.2, IA50 1159 RA = 35.119.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE			
ON CENTERLINE	<input type="checkbox"/>	FT FROM CENTERLINE				
<u>CRITICAL TEMPERATURES</u>						
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>			

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

1482 FT MSL TOWER 430246.00N/0921810.00W (108 FT).



HELIPORT	HELIPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	SURFACE ELEVATION	FACILITY
MERCYONE NEW HAMPTON MEDICAL CENTER	IA50	COPTER RNAV (GPS) 038	ORIG-A	NEW HAMPTON	IA	1170	RNAV
<div>PART C: GENERAL REMARKS:</div> <div>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</div> <div>HELIPORT LIGHTS ARE CONTROLLED MY PHOTOCELL OR PRIOR ARRANGEMENT.</div>							



