

COPTER RNAV

**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION -- FLIGHT STANDARDS SERVICE
SPECIAL INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE**

Bearings, headings, courses, 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 in 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 predicated 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 en route operation in the particular area or as set forth below.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MISSED APPROACH
HOKLU (IAF) (40E)(43A)	PEACE (TF)(FB)(40E)(41E)(43B)	308.73 / 3.00	3000	MAP: ZUKEL
JILUN (IAF) (40E)(43A)	PEACE (TF)(FB)(40E)(41E)(43B)	127.26 / 3.00	3000	
PEACE (IF) (40E) (43I)	RURRY (TF)(FB)(40E)(43F)	037.97 / 3.00	2200	CLIMB TO 3000 DIRECT TIVNY AND HOLD
RURRY (FAF)(40E)(43F)	ZUKEL (TF)(FO)(40E)(41Y)(43M)	037.98 / 2.00		
ZUKEL (MAP)(40E)(41Y)(43M)	1660 MSL (CA)(42M)	037.98		
1660 MSL	TIVNY (DF)(FO)(40E)(41B)(43H)		3000	

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 THLD:

4. MIN. ALT: PEACE 3000, RURRY 2200

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:

6. MIN GS INCPT: GS ALT AT: OM: MM: IM:

7. GS ANGLE: TCH:

8. MSA FROM: ZUKEL 2800

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 038.03 INBOUND
MERCY MEDICAL CENTER, IA50, 1159, 019.99 / 0.65
FAS OBST: 1360 AAO 430300N / 0921947W
ROUTE TYPE DESCRIPTION: A, R
CHART: 1482 TWR 430246N / 0921810W

MAG VAR: 0 EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: <input type="checkbox"/> STANDARD	NOTES										ALTERNATE: N A <input checked="" type="checkbox"/>				
CATEGORY =====>	COPTER			B			C			D			E		
	DH/ MDA	VIS	HAS	DH/ MDA	VIS	HAT/ HAA	DH/ MDA	VIS	HAT/ HAA	DH/ MDA	VIS	HAT/ HAA	DH/ MDA	VIS	HAT/ HAA
LNAV MDA	1660	3 / 4	490												

NOTES: SPECIFICATION ONLY - NOT FOR COCKPIT USE
CHART NOTES: USE NORTHEAST IOWA RGNL ALTIMETER SETTING
HELIPORT LIGHTS CONTROLLED BY PHOTOCELL OR PRIOR ARRANGEMENT
PROCEED VFR FROM ZUKEL OR CONDUCT THE SPECIFIED MISSED APPROACH.
USE OF MERCY MEDICAL CENTER REQUIRES PERMISSION OF THE OWNER;
USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS

CHART PLANVIEW NOTES: LIMIT INITIAL AND INTERMEDIATE APPROACH TO 90 KIAS, LIMIT FINAL AND MISSED APPROACH TO 70 KIAS; INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE



CITY AND STATE NEW HAMPTON, IA	ELEVATION: SURFACE ELEVATION 1170 HELIPORT NAME: MERCY MEDICAL CENTER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: COPTER RNAV (GPS) 038, ORIG	SUP: AMDT: NONE DATED:
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NOTES CONTINUED:

AIR CARRIER NOTES:

The procedure on the other side and the foregoing data are hereby:

SUBMITTED BY

NAME: JASON PATRICK 865-681-6137	FIFO STI, INC	DATE: 06/27/2011
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FLIGHT CHECKED BY

NAME:	FIFO	DATE:
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DEVELOPED BY

NAME: JASON PATRICK 865-681-6137	FIFO STI, INC	DATE: 06/27/2011
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RECOMMENDED BY

NAME: _____ MANAGER	FIFO	DATE:
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APPROVED BY

NAME:	AFS-400	DATE:
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OPERATIONS SPECIFICATIONS -- AIRPORT

_____ holding Air Carrier Operating Certificate No. _____ hereby acknowledges receipt of Operations Specifications

to operate into and out of the airport named on the other side as a Regular, Refueling, Alternate, Provisional for _____
airport with the following type aircraft:

Unless otherwise authorized in the Operations Specifications - Airport, an instrument approach of this type shall be conducted in accordance with the procedure specified on the other side and the air carrier minimums specified above with the following exceptions:



DATE: _____ RECEIVED FOR THE AIR CARRIER BY: _____ TITLE: _____
SIGNATURE

AMENDMENT NO. _____

BY DIRECTION OF THE ADMINISTRATOR _____
SIGNATURE TITLE

EFFECTIVE DATE: _____

STANDARD INSTRUMENT APPROACH PROCEDURE RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	HOKLU	PEACE	1. 200 AOO	425937.96N / 0922547.00W	1330	1000	AT 670	3000
			2. TERRAIN	425937.96N / 0922547.00W	1130 (1100)*		AS 1500	2600
INITIAL	JILUN	PEACE	3. 200 AAO	430142.41N / 0922741.91W	1350	1000	AT 650	3000
			4. TERRAIN	430142.41N / 0922741.91W	1150 (1200)*		AS 1500	2700
INTERMEDIATE	PEACE	RURRY	1.		1330	500	AT 370	2200
			2.		1130 (1100)*		AS 1000	2100
FINAL	RURRY	ZUKEL	5. 200 AAO	430259.75N / 0921946.98W	1360 (2C)	250	RA 36	1660
2. PROCEDURE TURN NA								
3. MISSED APPROACH	MAP:	ZUKEL	TIVNY				ASC	3000
	ELEV:	1374		6. 200 AAO	430802.90N / 0921703.48	1480	1000	2500
			7. TERRAIN	430802.90N / 0921703.48	1280 (1300)*		AS 1500	2800
4. CIRCLING	DISTANCE	H.T. ABV. ARPT.						
CATEGORY A	1.3 NM	Required	350	Actual				
CATEGORY B	1.5 NM		450					
CATEGORY C	1.7 NM		450					
CATEGORY D	2.3 NM		550					
CATEGORY E	4.5 NM		550					
5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID: ZUKEL								
SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	MSA	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)
360 /360	TWR (19-021375)	341 / 22.7	1785 (4D)	2800				
CITY AND STATE		AIRPORT & ELEVATION		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION
NEW HAMPTON, IA		MERCY MEDICAL CENTER 1159		RNAV		COPTER RNAV (GPS) 038, ORIG		AGL

QUALITY
 MSA
 CHECKED

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:

1. AIRSPACE : SEE ATTACHED AIRSPACE LETTER
2. (*) TERRAIN ELEVATION DETERMINED BY QUAD CHART.
3. TREE HEIGHT DETERMINED BY ON SITE SURVEY
4. RASS PRESSURE PATTERNS SAME.
REMOTE ALTIMETER SETTING SOURCE (RASS)
DISTANCE: 12.53 (2.3) = 28.819
ELEVATION DIFFERENCE: 45 (.14) = 6.3
RA = 28.819 + 6.30 = 35.119 = 36
5. ATC COORDINATION WITH WATERLOO APP CON, POC STEVE KUAFMAN, PHONE 319-233-7231 AND CHICAGO CENTER, POC JOHN MORAN, PHONE (630) 906-8221
6. 10'500-FOOT VISUAL SEGMENT LEVEL SURFACE AREA EVALUATED: ONE PENETRATING OBSTACLES FOUND
TWR 1482 430246.00N / 0921810.00W PENETRATION 108
OBSTACLE CHARTED
HAS HIT= 1170
7. HOLDING: THE HOLDING PATTERN WAS EVALUATED FOR OBSTACLES USING A METHOD OF PLACING THE LISTED P-4 HOLDING PATTERN TEMPLATE WITHIN A RECTANGULAR BOX AND EVALUATING THE AREA IN THE BOX. EVALUATION OF THE P-4 TEMPLATE AREA ONLY MIGHT IDENTIFY A DIFFERENT CONTROLLING OBSTACLE.
9. HOKLU IAF-1: 42.57.3715N / 092.20.6336W
JILUN IAF-2: 43.01.0660N / 092.27.0749W
PEACE IWP: 42.59.2484N / 092.23.8219W
RURRY FAF: 43.01.6135N / 092.21.3054W
ZUKEL MAP: 43.03.1900N / 092.19.6267W
TIVNY MAHP: 43.07.1278N / 092.15.4203W

HRP : 43.03.8010N / 092.19.3235W
10. TOWER (19-003015) MEASURED ON SITE AND CONFIRMED TO 2C ACCURACY.

PART B - SUPPLEMENTAL DATA						
1. COMMUNICATIONS WITH :		2. WEATHER SERVICE		3. ALTIMETER SETTING		
WATERLOO APP CON		N W S	OTHER:	SOURCE:		
		F A A	AWOS-3	KCCY		
		A / C	LOCATION:	DISTANCE: 12.53		
SATISFACTORY ON:		KCCY		HOURS REMOTE OPERATION:		
<input checked="" type="checkbox"/> V H F <input type="checkbox"/> U H F <input type="checkbox"/> H F		HRS OPTN: 24		24		
		ADJUSTMENT: 36				
4. MONITOR STATUS	PRIMARY			SECONDARY		
	NAVAID:			NAVAID:		
	MONITOR POINT:			MONITOR POINT:		
	HRS OPTN:	CAT 1		HRS OPTN:	CAT 1	
	CAT 3			CAT 3		
5. AIRSPACE		FLOOR OF CONTROLLED AIRSPACE UNDER FAC			CONTROL AREA	
		CONTROL ZONE:			HOURS OPTN	TRANSITION AREA
6. APPROACH & RUNWAY LIGHTING	ALS		REIL			
	(S) SALS		TDZ			
	MALS		C/LINE			
	HIRL		OTHER (Specify)			
	MIRL		\$			
7. RUNWAY MARKINGS			8. RUNWAY VISUAL RANGE			
ALL WEATHER			APPROACH			
INSTRUMENT			ROLL OUT			
9. GLIDE SLOPE		G S ANGLE:		ELEV RWY THRESHOLD:		
		DISTANCE FROM RWY:		ELEV GS ANTENNA:		
		THRESHOLD CROSSING HEIGHT:				
10. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD		F T. FROM THRESHOLD		
		ON CENTERLINE		F T. FROM CENTERLINE		
11. WAIVERS OF STANDARDS		NUMBER OF WAIVERS ON FILE		DATES OF APPROVAL		
		NONE				
PART C - REMARKS:						
NEW HAMPTON, IA, MERCY MEDICAL CENTER, 430348.06N / 0921919.41W, ELEV 1159						
\$ HELIPORT LIGHTS CONTROLLED BY PHOTOCCELL OR PRIOR ARRANGEMENT						
PRECIPITOUS TERRAIN EVALUATION COMPLETED						
PART D - PREPARED BY:				DATE:		
GREG KELLER				06/27/11		
TITLE:				OFFICE:		
MEMBER				STI		



RADIO FIX AND HOLDING DATA RECORD

NAME: HOKLU

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 425722.29N/0922038.01W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, KIA50, NEW HAMPTON, IA

FIX USE:

USE TYPE
IAP

USE TITLE
COPTER RNAV (GPS) 038

FAC PAT

AIRPORT IDENT
KIA50

CITY
NEW HAMPTON

STATE
IA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

INITIATED BY:

DATE: 06/09/2011

ORGANIZATION: STI, INC

NAME: GREG KELLER

DEVELOPED BY:

DATE: 06/09/2011

OFFICE: AJV-351

NAME: GARY WILSON

APPROVED BY:

DATE:

OFFICE: AJV-351

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: WATERLOO APP CON
OTHER: STI, INC



RADIO FIX AND HOLDING DATA RECORD

NAME: JILUN

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 430103.96N/0922704.50W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, KIA50, NEW HAMPTON, IA

FIX USE:

USE TYPE
IAP

USE TITLE
COPTER RNAV (GPS) 038

FAC PAT

AIRPORT IDENT
KIA50

CITY
NEW HAMPTON

STATE
IA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

INITIATED BY:

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ORGANIZATION: STI, INC

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OFFICE: AJV-351

NAME: GARY WILSON

APPROVED BY:

DATE:

OFFICE: AJV-351

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: WATERLOO APP CON
OTHER: STI, INC



RADIO FIX AND HOLDING DATA RECORD

NAME: PEACE

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 425914.90N/0922349.31W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, KIA50, NEW HAMPTON, IA

FIX USE:

USE TYPE
IAP

USE TITLE
COPTER RNAV (GPS) 038

FAC PAT

AIRPORT IDENT
KIA50

CITY
NEW HAMPTON

STATE
IA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

INITIATED BY:

DATE: 06/13/2011

ORGANIZATION: STI, INC

NAME: GREG KELLER

DEVELOPED BY:

DATE: 06/13/2011

OFFICE: AJV-351

NAME: GARY WILSON

APPROVED BY:

DATE:

OFFICE: AJV-351

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: WATERLOO APP CON
OTHER: STI, INC



RADIO FIX AND HOLDING DATA RECORD

NAME: RURRY

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 430136.81N/0922118.33W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, KIA50, NEW HAMPTON, IA

FIX USE:

USE TYPE
IAP

USE TITLE
COPTER RNAV (GPS) 038

FAC PAT

AIRPORT IDENT
KIA50

CITY
NEW HAMPTON

STATE
IA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

INITIATED BY:

DATE: 06/13/2011

ORGANIZATION: STI, INC

NAME: GREG KELLER

DEVELOPED BY:

DATE: 06/13/2011

OFFICE: AJV-351

NAME: GARY WILSON

APPROVED BY:

DATE:

OFFICE: AJV-351

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: WATERLOO APP CON
OTHER: STI, INC



RADIO FIX AND HOLDING DATA RECORD

NAME: TIVNY

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 430707.67N/0921525.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, KIA50, NEW HAMPTON, IA

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW		WP	218.03	038.03	R	4	3000 6000	4 4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	100	TOWER (19-001258)	430340.00N/0921312.00W	1624	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	COPTER RNAV (GPS) 038		1	KIA50	NEW HAMPTON	IA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/09/2012

INITIATED BY: DATE: 06/13/2011 ORGANIZATION: STI, INC NAME: GREG KELLER

DEVELOPED BY: DATE: 06/13/2011 OFFICE: AJV-351 NAME: GARY WILSON

APPROVED BY: DATE: OFFICE: AJV-351 NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: WATERLOO APP CON
OTHER: STI, INC

QUALITY
CHECK
5

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUKEL

STATE: IA

COUNTRY: US

LATITUDE/LONGITUDE: 430311.40N/0921937.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX RESTRICTIONS:

SPECIAL COPTER RNAV (GPS) 038, ORIG, KIA50, NEW HAMPTON, IA

FIX USE:

USE TYPE
IAP

USE TITLE

COPTER RNAV (GPS) 038, ORIG

FAC

PAT

AIRPORT IDENT

KIA50

CITY

NEW HAMPTON

STATE

IA (US)

REQUIRED CHARTING: SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 03/08/2012

INITIATED BY:

DATE: 11/07/2011

ORGANIZATION: STI, INC

NAME: GREG KELLER

DEVELOPED BY:

DATE: 11/07/2011

OFFICE: AJV-351

NAME: GARY WILSON

APPROVED BY:

DATE:

OFFICE: AJV-351

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZAU

ATC FACILITY: WATERLOO APP CON

OTHER: STI, INC

QUALITY
5
CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: NEW HAMPTON

STATE: IA

AIRPORT NAME: MERCY MEDICAL CENTER

ID: IA50

PROCEDURE: COPTER RNAV (GPS) 038

AMDT: ORIGINAL

DOCKET #:

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100

1. Distance From	<u>MAP</u>	to 1000'	<u>2.00</u>
<small>(Enter THLD, FAF, ARP, FACILITY, as appropriate)</small>			
2. Width of	<u>FINAL</u>	segment at 1000'	<u>1.10</u>
<small>(Enter appropriate segment, final, intermediate, etc.)</small>			
3. True Course of	<u>FINAL</u>	segment containing	<u>037.98</u>
4. High Terrain in	<u>FINAL</u>	segment containing	<u>1160</u>
5. Distance from	<u>FAF</u>	to 1500'	<u>2.20</u>
<small>(If 1500' point in PT maneuvering area or holding pattern not in remarks)</small>			
6. Width of	<u>INTERMEDIATE</u>	segment at	<u>3.00</u>
7. True Course of	<u>INTERMEDIATE</u>	segment containing	<u>037.97</u>
8. High Terrain in	<u>INTERMEDIATE</u>	segment containing	<u>1130</u>
9. MAP Coordinates	<u>430311.40N</u>	/	<u>0921937.60W</u>
10. Heliport Coordinates	<u>430348.06N</u>	/	<u>0921919.41W</u>
11. FAF Coordinates	<u>430136.81N</u>	/	<u>0922118.33W</u>

REMARKS: Approach/Drawing attached.

Point-In-Space Approach