

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>						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.										
<b>TERMINAL ROUTES</b>											<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW18  CLIMB TO 3000 DIRECT BELMY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 000.97 INBOUND. FAS OBST: 1022 AAO 402145N/0880904W DISTANCE TO THLD FROM 277 HAT: 0.75 NM. CHART VDP AT 1.57 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 90239 REFERENCE PATH ID: W18A CHART CIRCLING ICON LTP HAE: 192.5 M							
ALADE (IF/IAF)		JENTI (FB)		180.97 / 5.22			2300									
JENTI (FAF)		RW18 (MAP) (FO)		180.97 / 4.78												
RW18 (MAP)		1015 MSL		180.97												
1015 MSL		BELMY (FO)					3000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N ALADE, RT, 180.97 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 180.97 FAF: JENTI DIST FAF TO MAP: 4.78 THLD: 4.78 4. MIN. ALT: ALADE 3000, JENTI 2300 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: JENTI 2300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____											MAG VAR: 1W		EPOCH YEAR: 1995			
<b>MINIMUMS</b>																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A		B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1015	1	277	1015	1	277	1015	1	277	1015	1	277				
LNAV/VNAV DA	1271	1 7/8	533	1271	1 7/8	533	1271	1 7/8	533	1271	1 7/8	533				
LNAV MDA	1280	1	542	1280	1	542	1280	1 5/8	542	1280	1 5/8	542				
CIRCLING	1280	1	542	1280	1	542	1380	1 3/4	642	1420	2 1/4	682				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CHAMPAIGN URBANA ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE  RANTOUL, IL		ELEVATION: 738 TDZE: 738 AIRPORT NAME:  RANTOUL NATL AVN CNTR-FRANK ELLIOTT FLD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 18, AMDT 2						SUP:				
												AMDT: 1				
												DATED 10/15/2015				

QUALITY  
 5  
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZAU, CMI APP CON, AMGR</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
THOMAS L KIRKPATRICK				AJV-5422	03/04/2016
APPROVED BY Mar 04, 2016					
NAME:				FIFO	DATE:
GEORGE GONZALEZ				AJV-5420	
CHANGES:					
1. ADDED LPV AND LNAV/VNAV LINES OF MINIMA AND ALL ASSOCIATED NOTES.					
REASONS:					
1. AMGR REQUEST.					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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.

**NOTES, (CONT.):**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHAMPAIGN URBANA ALTIMETER SETTING AND INCREASE LPV DA TO 1056 AND ALL VISIBILITIES TO 1 1/8 MILE, INCREASE LNAV/VNAV DA TO 1312 AND ALL VISIBILITIES TO 2 MILE; INCREASE ALL MDA 60 FEET; INCREASE LNAV AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.**

**TAA**

	FROM	TO	ALT
1.	091/30 CW 271/30 (NOPT)	ALADE (IF/IAF) (FB)	3000
2.	271/30 CW 091/30	ALADE (IAF) (FO)	3000

CITY AND STATE  
**RANTOUL, IL**

**ELEVATION: 738**      **TDZE: 738**  
AIRPORT NAME:  
**RANTOUL NATL AVN CNTR-FRANK ELLIOTT  
FLD**

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 18, AMDT 2**

SUP:  
AMDT: **1**  
DATED: **10/15/2015**

QUALITY  
5  
CHECKED

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA      OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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.

**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTIP
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	401806.6050N
LTP/FTP LONGITUDE	0880837.8995W
LTP/FTP ELLIPSOIDAL HEIGHT	+01925
FPAP LATITUDE	401637.4415N
FPAP LONGITUDE	0880837.8390W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER**

7E86C4DE

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02248
FPAP ORTHOMETRIC HEIGHT	+02248

QUALITY  
5  
CHECKED

CITY AND STATE  RANTOUL, IL	ELEVATION: 738 AIRPORT NAME:  RANTOUL NATL AVN CNTR-FRANK ELLIOTT FLD	TDZE: 738	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 18, AMDT 2	SUP:
					AMDT: 1
					DATED: 10/15/2015

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA      OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33**

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.

ARINC SUMMARY - KTIP

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
ALADE	010	ALADE	HF	FO		181.0			R			AA 03000		EE A
	010	ALADE	IF	FB								AA 03000		E I
	020	JENTI	TF	FB	1.0	181.0						AA 02300		E F
	030	RW18	TF	FO	0.3	181.0		3.00				AT 00777		GY M
	040		CA	FB		181.0						AA 01015		M
	050	BELMY	DF	FO								AA 03000		EY
	060	BELMY	HM	FO		001.0		R				AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ALADE	N402807.05	W0880838.30
BELMY	N400717.82	W0880837.47
JENTI	N402253.68	W0880838.10

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N401806.61	W0880837.90	00737	40

QUALITY  
5  
CHECKED

CITY AND STATE <b>RANTOUL, IL</b>	ELEVATION: <b>738</b> <b>TDZE: 738</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 18, AMDT 2</b>	SUP:
	AIRPORT NAME: <b>RANTOUL NATL AVN CNTR-FRANK ELLIOTT FLD</b>			AMDT: <b>1</b>
				DATED: <b>10/15/2015</b>

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/>    AAT<input type="checkbox"/>    ALPA<input type="checkbox"/>    APA<input type="checkbox"/>    AOPA<input type="checkbox"/>    NBAA<input type="checkbox"/>    OTHER (specify) <input type="checkbox"/> _____</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					



## STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

## PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	091/30 CW 271/30	ALADE	1. TOWER (17-000719)	402912.00N/0882151.00W	1420 (4D)	1000	AT580	3000
			2. TERRAIN	402812.00N/0883354.00W	949 (900)		AS1500	2400
STRAIGHT-IN AREA	271/30 CW 091/30	ALADE	3. TOWER (17-000470)	400411.00N/0875445.00W	1999 (4D)	1000		3000
			2. TERRAIN	402812.00N/0883354.00W	949 (900)		AS1500	2400
INTERMEDIATE: LNAV	ALADE (IF/IAF)	JENTI	4. TOWER (17-000063)	402716.00N/0880613.00W	1110 (4D)	500		1700
			5. TERRAIN	402236.00N/0880951.00W	811 (800)		AS1500	2300
FINAL: LPV	JENTI	RW18	6. TREE (KTIPT000785)	401835.17N/0880842.72W	820 (1A)	34:1	MA27	1015/277
FINAL: LNAV/VNAV	JENTI	RW18	7. ANT (KTIPT000846)	401934.54N/0880913.62W	968 (1A)	23.39:1		1271/533
FINAL: LNAV	JENTI	RW18	8. AAO	402144.83N/0880903.58W	1022 (2C)	250		1280
2. HOLD-IN-LIEU-OF-PT	ALADE	P-5	9. WDMLL (17-021829)	402839.32N/0880418.62W	1208 (5D)	1000	AT792	3000
			10. TERRAIN	402454.00N/0881357.00W	847 (800)		AS1500	2300
3. MISSED APPROACH	MAP: DA / DA / RW18	BELMY	6. TREE (KTIPT000785)	401835.17N/0880842.72W	820			900
	ELEV: 816/1110/1180		11. TOWER (17-003481)	400912.21N/0880656.50W	1185 (5D)	1000		2200
			12. TERRAIN	401218.00N/0881006.00W	752 (800)		AS1500	2300
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED 350	542	13. TOWER (17-002582)	401827.00N/0880935.00W	906 (2C)	300	SI
CATEGORY B	1.5 NM	450	542	14. ANT (KTIPT000846)	401934.54N/0880913.62W	968 (1A)	300	
CATEGORY C	1.7 NM	450	642	15. TOWER (17-002232)	401935.00N/0881103.00W	1025 (5D)	300	AC50
CATEGORY D	2.3 NM	550	682	16. TOWER (17-003636)	401514.49N/0881140.98W	1054 (5D)	300	AC50
CATEGORY E	4.5 NM	550						
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID:							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)
CITY AND STATE	ELEVATION: 738	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION				
RANTOUL, IL	AIRPORT NAME: RANTOUL NATL AVN CNTR-FRANK ELLIOTT FLD	RNAV	RNAV (GPS) RWY 18, AMDT 2	AGL				

 QUALITY  
5  
CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																					
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.																
CMI APP CON ZAU ARTCC					<input checked="" type="checkbox"/>		N W S		OTHER: AWOS-3			SOURCE:KTIP / KCMI					VGSI: NONE														
							F A A					DISTANCE: 0 / 16.49					AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION CRITICAL LOW TEMP BASED ON ACT TEMERATURE LIMITS, DELTA  ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR														
							A / C					HOURS REMOTE OPERATION: 0 / 24																			
SATISFACTORY ON:					<input checked="" type="checkbox"/> V H F		<input checked="" type="checkbox"/> U H F		<input type="checkbox"/> H F		LOCATION: KTIP/KTIP					ADJUSTMENT: 0					CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 964 HIGH TEMP 1125. CRITICAL LOW :-16C (+4F) CRITICAL HIGH :+54C (+130F) ACT :-16C APT ISA :-29.54C  ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.88NM CAT D: 3.76NM  NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME KTIP 737.9, KCMI 754.7 RA = 40.29.  BOTH KTIP AND KCMI AWOS-3 ON SERVICE A  BACKUP ALTIMETER SETTING PUBLISHED AS A NOTE  100 FT VEGETATION USED PER FPT CHECKLIST  ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 34:1 803 TREE (KTIPT000681) 401822.80N/0880842.65W (23.28) 795 TREE (KTIPT000666) 401821.45N/0880834.12W (19.30) 791 TREE (KTIPT000659) 401821.12N/0880842.39W (16.28) 794 TREE (KTIPT000680) 401822.73N/0880841.24W (14.49) 792 TREE (KTIPT000677) 401822.51N/0880832.82W (13.15) 790 TREE (KTIPT000678) 401822.57N/0880839.80W (10.96) 819 TREE (KTIPT000764) 401832.53N/0880832.63W (10.33) 788 TREE (KTIPT000688) 401823.30N/0880834.51W (6.80) 801 TREE (KTIPT000718) 401827.89N/0880841.43W (6.13) 810 TREE (KTIPT000753) 401831.22N/0880834.35W (5.22) 811 TREE (KTIPT000755) 401831.62N/0880842.05W (5.02) 789 TREE (KTIPT000698) 401824.33N/0880834.20W (4.73) 820 TREE (KTIPT000785) 401835.17N/0880842.72W (3.46) 798 TREE (KTIPT000716) 401827.80N/0880843.03W (3.39) 816 TREE (KTIPT000777) 401833.96N/0880832.68W (3.07) 800 TREE (KTIPT000723) 401828.62N/0880838.92W (2.96) 804 TREE (KTIPT000740) 401830.12N/0880834.91W (2.50) 799 TREE (KTIPT000724) 401828.68N/0880841.95W (1.78) 778 TREE (KTIPT000671) 401821.94N/0880838.36W (0.84) 771 TREE (KTIPT000644) 401819.59N/0880834.11W (0.84)										
4. MONITOR STATUS		PRIMARY NAVAID:																													
		MONITOR POINT:																													
		HRS OPTN:		CAT 1				CAT 3																							
5. APPROACH & RUNWAY LIGHTING				ALS																											
				(S) SALS																											
				MALS																											
				HIRL																											
		<input checked="" type="checkbox"/>		MIRL 09 (PCL), 18 (PCL), 27 (PCL), 36 (PCL)																											
		<input checked="" type="checkbox"/>		REIL 09 (PCL), 27 (PCL)																											
				TDZ																											
				C/LINE																											
		<input checked="" type="checkbox"/>		OTHER (SPECIFY) PAPI-4L 09, 27																											
6. RUNWAY MARKINGS			BASIC																												
			ALL WEATHER																												
			INSTRUMENT NPI-G 09, 18, 27, 36																												
7. RUNWAY VISUAL RANGE			APPROACH																												
			MIDFIELD																												
			ROLL OUT																												
8. GLIDE PATH			GP ANGLE: 3.00					ELEV RWY THRESHOLD:737.4																							
			DISTANCE FROM RWY:					ELEV GP ANTENNA:																							
								THRESHOLD CROSSING HEIGHT:40.0																							
9. FINAL APPROACH COURSE AIMING				<input checked="" type="checkbox"/>		RUNWAY THRESHOLD					FT. FROM THRESHOLD																				
				<input checked="" type="checkbox"/>		ON CENTERLINE					FT. FROM CENTERLINE																				
10. WAIVERS: NONE																															
PART D - PREPARED BY: THOMAS L KIRKPATRICK										DATE: 03/04/2016																					
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422																					

QUALITY  
5  
CHECKED