

<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: RW14L  CLIMB TO 2300 DIRECT JIRUB AND ON TRACK 103.38 TO DUTMY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.48 INBOUND. CHART FAS OBST: 619 TREE 383336N/0895101W CHART 729 TANK 383535N/0895346W CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.21 MILES TO RW14L* *LNAV ONLY. WAAS CHANNEL # 58218 REFERENCE PATH ID: W14A CHART CIRCLING ICON. LTP HAE: 103.9 M						
TOY VORTAC (IAF)		BALLY (FB)			231.81 / 4.65			2100								
BALLY (IF)		OFAFY (FB)			138.45 / 6.01			2100								
OFAFY (FAF)		DMJPS/3.50 NM TO RW14L (FB)			138.50 / 1.47											
DMJPS/3.50 NM TO RW14L		RW14L (MAP) (FO)			138.50 / 3.50											
RW14L (MAP)		642 MSL			138.50											
642 MSL		JIRUB (FB)														
JIRUB		DUTMY (FO)			103.38 / 10.92			2300								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BALLY 3. FAC: <u>138.50</u> FAF: <u>OFAFY</u> DIST FAF TO MAP: <u>4.97</u> THLD: <u>4.97</u> 4. MIN. ALT: <u>BALLY 2100, OFAFY 2100, DMJPS/3.50 NM TO RW14L 1620*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>OFAFY 2100</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>54.9</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW14L 2700</u>											MAG VAR: 2W		EPOCH YEAR: 2020			
<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	642	4000	200	642	4000	200	642	4000	200	642	4000	200				
LNAV/VNAV DA	934	1 5/8	492	934	1 5/8	492	934	1 5/8	492	934	1 5/8	492				
LNAV MDA	900	5500	458	900	5500	458	900	1 3/8	458	900	1 3/8	458				
CIRCLING	1000	1	541	1080	1	621	1240	2 1/4	781	1240	2 1/2	781				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ST LOUIS DOWNTOWN ALTIMETER SETTING. (CONTINUED ON PAGE 2)																
CITY AND STATE  BELLEVILLE, IL		ELEVATION: 459 TDZE: 442 AIRPORT NAME:  SCOTT AFB/MIDAMERICA		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14L, ORIG-A						SUP:				
												AMDT: ORIG				
												DATED 07/29/2010				

QUALITY  
 25  
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input checked="" type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZKC, STL APP CON, SCOTT ATCT, STATE AERO, AMGR,</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div><i>Digitally signed by</i> JAMES ROGERS JAMES ROGERS Feb 12, 2016</div>				FIFO AJV-5421	DATE: 11/25/2015
APPROVED BY					
NAME: GEORGE GONZALEZ MANAGER				FIFO AJV-5420	DATE:
CHANGES:					
<div>1. UPDATED ALL FINAL APPROACH COURSE REFERENCES FROM 134.50 TO 138.50.</div> <div>2. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.</div> <div>3. ADDED CHART ASR TO ADDITIONAL FLIGHT DATA.</div> <div>4. UPDATED FAS DATA: CHANGED FPAP LAT/LONG FROM 383210.4500N/0894833.9300W TO 383210.5424N/0894834.0391W; CHANGED CRC REMAINDER FROM BDA64096 TO 3FAB922A.</div> <div>5. CIRCLING MDA/HAA CAT B CHANGED FROM 1060/601 TO 1080/621, CAT C CHANGED FROM 1060/601 TO 1240/781; CAT C VISIBILITY CHANGED FROM 1 3/4 TO 2 1/4.</div> <div>6. CHANGED BARO VNAV NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).</div>					
REASONS:					
<div>1. AIRPORT MAGVAR CHANGED FROM 2E TO 2W.</div> <div>2. NEW CIRCLING AREA CRITERIA. CIRCLING AREA RADII UPDATED TO NEW CRITERIA.</div> <div>3. CRITERIA: 8260.19G, PARA 8-6-8(L).</div> <div>4. CHANGED TO MATCH CURRENT AIRPORT AND PROCEDURE DATA.</div> <div>5. NEW OBSTACLE EVALUATION FOR CIRCLING SEGMENT DUE TO NEW CIRCLING AREA RADII.</div> <div>6. NEW AVERAGE COLD TEMP CALCULATIONS.</div>					



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

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**NOTES, (CONT.):**

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TOY VORTAC AIRWAY RADIALS 189 CW 282.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST LOUIS DOWNTOWN ALTIMETER SETTING;**

**INCREASE LPV DA TO 684 FEET AND LNAV/VNAV DA TO 976 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV**

**ALL CATS VISIBILITY 1/8 MILE AND INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE.**

QUALITY  
25  
CHECKED

CITY AND STATE

**BELLEVILLE, IL**

**ELEVATION: 459**

**TDZE: 442**

AIRPORT NAME:

**SCOTT AFB/MIDAMERICA**

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
**RNAV (GPS) RWY 14L, ORIG-A**

SUP:

AMDT: **ORIG**

DATED: **07/29/2010**

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**

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLV
RUNWAY	RW14L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	383322.3120N
LTP/FTP LONGITUDE	0895000.5835W
LTP/FTP ELLIPSOIDAL HEIGHT	+01039
FPAP LATITUDE	383210.5420N
FPAP LONGITUDE	0894834.0390W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

**CRC REMAINDER**

3FAB922A

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01346
FPAP ORTHOMETRIC HEIGHT	+01346

QUALITY  
25  
CHECKED

CITY AND STATE  BELLEVILLE, IL	ELEVATION: 459      TDZE: 442 AIRPORT NAME:  SCOTT AFB/MIDAMERICA	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 14L, ORIG-A	SUP:
				AMDT:      ORIG
				DATED:      07/29/2010

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												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.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - KBLV														
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
TOY	010	TOY	IF	FB										V A
TOY	020	BALLY	TF	FB	1.0	231.8						AA 02100		EE B
	010	BALLY	IF	FB								AA 02100		E I
	020	OFAFY	TF	FB	1.0	138.5				RW14L		AA 02100		E F
	021	DMJPS	TF	FB	0.3	138.5		3.00				AA 01620 GS 01626		E S
	030	RW14L	TF	FO	0.3	138.5		3.00				AT 00496		GY M
	040		CA	FB		138.5						AA 00642		M
	050	JIRUB	DF	FB										E
	060	DUTMY	TF	FO	1.0	103.4						AA 02300		EY
	070	DUTMY	HM	FO		283.5			R			AA 02300		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
TOY			N384420.94			W0895506.93								
BALLY			N384120.67			W0895939.24								
DMJPS			N383554.88			W0895304.81								
DUTMY			N382901.49			W0893345.22								
JIRUB			N383111.65			W0894723.09								
OFAFY			N383658.82			W0895422.11								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW14L		N383322.31		W0895000.58		00442		54.9						
<div style="border: 1px solid green; padding: 5px; display: inline-block; transform: rotate(-15deg); color: green;">             QUALITY 25 CHECKED           </div>														
CITY AND STATE <b>BELLEVILLE, IL</b>			ELEVATION: <b>459</b> TDZE: <b>442</b> AIRPORT NAME: <b>SCOTT AFB/MIDAMERICA</b>			FACILITY IDENTIFIER:  <b>RNAV</b>		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 14L, ORIG-A</b>				SUP:		
												AMDT: <b>ORIG</b>		
												DATED: <b>07/29/2010</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		
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## PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.			
INITIAL		TOY VORTAC		BALLY		1. TOWER (17-001455)		384406.00N/0895702.00W		882 (5D)		1000				1900			
						2. TERRAIN		384715.00N/0895839.00W		601 (600)				AS1500		2100			
INTERMEDIATE		BALLY		OFAFY		3. TOWER (17-000440)		384101.37N/0900004.01W		1038 (2C)		500				1600			
						4. TERRAIN		383836.00N/0895727.00W		607 (600)				AS1500		2100			
FINAL: LPV		OFAFY		RW14L								ASC				642/200			
FINAL: LNAV/VNAV		OFAFY		RW14L		5. TREE		383336.48N/0895100.99W		619 (2C)		161		AC20 XP134		934/492			
FINAL: LNAV		OFAFY		DMJPS/3.50 NM TO		6. WATER TWR		383536.15N/0895346.42W		759 (1A)		250		DG569 RA42		1620			
				RW14L		(KBLVT000296)													
FINAL: LNAV STEPDOWN		DMJPS/3.50 NM TO		RW14L		5. TREE		383336.48N/0895100.99W		619 (2C)		250		XP31		900			
		RW14L																	
2. PROCEDURE TURN		NA																	
3. MISSED APPROACH	MAP:		DA / DA / RW14L		DUTMY						ASC				2300				
							7. TOWER (17-002932)		382720.77N/0893330.53W		729 (5D)		1000		1800				
	ELEV:		474/773/800				8. TERRAIN		383348.00N/0895215.00W		525 (500)				AS1500				
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	541	9. TREE	383345.00N/0895309.00W	699 (2C)	300			1000					
CATEGORY B		1.5 NM			450		621	10. TREE	383317.08N/0895358.47W	779 (2C)	300			1080					
CATEGORY C		1.7 NM			450		781	11. TOWER (17-000523)	383103.00N/0895320.00W	871 (5D)	300	AC50		1240					
CATEGORY D		2.3 NM			550		781	11. TOWER (17-000523)	383103.00N/0895320.00W	871 (5D)	300	AC50		1240					
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES																			
PRIMARY NAVAID: RW14L																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TRW (29-000054)		270/23.5		1649 (4D)		2700											
CITY AND STATE				ELEVATION: 459				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
BELLEVILLE, IL				AIRPORT NAME: SCOTT AFB/MIDAMERICA				RNAV				RNAV (GPS) RWY 14L, ORIG-A				AGL			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  PRECIPITOUS TERRAIN EVALUATION COMPLETED.  KBLV AN/FMQ-19 AUTOMATED OBSERVATION SYSTEM IS ON SERVICE A. LOCATION:ON AIRPORT KCPS ASOS IS ON SERVICE A.  VGSI DATA: 3.00/70.9  AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2010-2014). CRITICAL LOW TEMP BASED ON ACT TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.  CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 960 HIGH TEMP 1120. CRITICAL LOW :-18C (0F) CRITICAL HIGH :+54C (+130F) ACT :-18C APT ISA :+14.09C  ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.82NM CAT C: 2.86NM CAT D: 3.74NM  NO ADDITIONAL AIRSPACE REQUIRED.  RASS (PRESSURE PATTERNS THE SAME). KBLV 458.8 MSL, KCPS 413.0 MSL RA = 41.2  TAA NOT DEVELOPED PER ATC.  INTERMEDIATE OBS AND HIGH TERRAIN THE SAME FOR ALL FINAL TYPES.  SAME MISSED APPROACH OBSTACLE USED FOR ALL FINAL TYPES.  MISSED APPROACH HIGH TERRAIN SELECTED FROM LARGEST TRAP.  100' TREE HEIGHT USED PER CEN FPT.  LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 23.46:1  XP= LNAV/VNAV 134 FT ADJUSTMENT TO RETAIN PREVIOUS DA.  XP= LNAV 31 FT ADJUSTMENT TO RETAIN PREVIOUS MDA.																			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																					
STL APP CON BLV TOWER						N W S		OTHER: ATIS												SOURCE:KBLV / KCPS									
						F A A														DISTANCE: 0 / 15.09									
						A / C														HOURS REMOTE OPERATION: 0 / 24									
SATISFACTORY ON:																													
X		V H F		X		U H F														H F		LOCATION: KBLV				ADJUSTMENT: 0 / 42			
4. MONITOR STATUS		PRIMARY NAVAID:																											
		MONITOR POINT:																											
		HRS OPTN:		CAT 1																									
				CAT 3																									
5. APPROACH & RUNWAY LIGHTING				ALS																									
				(S) SALS																									
		X		MALSR 14R, 32L, 32R																									
		X		HIRL 14L, 14R, 32L, 32R																									
				MIRL																									
		X		REIL 14L																									
				TDZ																									
				C/LINE																									
		X		OTHER (SPECIFY) PAPI-4L 14R, 32L, 32R PAPI-4R 14L																									
6. RUNWAY MARKINGS				BASIC																									
				ALL WEATHER     PIR-G 14L, 14R, 32L, 32R																									
				INSTRUMENT																									
7. RUNWAY VISUAL RANGE				APPROACH     14L, 14R, 32L, 32R																									
				MIDFIELD																									
				ROLL OUT     32R																									
8. GLIDE PATH				GP ANGLE: 3.00								ELEV RWY THRESHOLD:441.5																	
				DISTANCE FROM RWY:								ELEV GP ANTENNA:																	
												THRESHOLD CROSSING HEIGHT:54.9																	
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD     FT. FROM THRESHOLD																							
				X		ON CENTERLINE     FT. FROM CENTERLINE																							
10. WAIVERS: NONE																													
PART D - PREPARED BY:  JAMES ROGERS										DATE:  11/25/2015																			
TITLE:  AERONAUTICAL INFORMATION SPECIALIST										OFFICE:  AJV-5421																			

