

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.						
TERMINAL ROUTES														MISSED APPROACH						
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW21							
DARTS (IF)				MOVVE (TF) (FB) (RNP 1.00)			219.46 / 4.61				3000		CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 5000 DIRECT CAPOB AND ON TRACK 282.54 TO SADDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.							
MOVVE (FAF)				MIPTE/3.30 NM TO RW21 (TF) (FB) (RNP 0.30)			212.64 / 4.17													
MIPTE/3.30 NM TO RW21				RW21 (MAP) (TF) (FO) (RNP 0.30)			212.64 / 3.30						ADDITIONAL FLIGHT DATA: HOLD NW, LT, 148.00 INBOUND. CHART FAS OBST: 866 BLDG 340332N/1182447W. DISTANCE TO THLD FROM 270 HAT: 0.58 NM. CHART VDP AT 2.42 NM TO RW21* *LNAV ONLY. WAAS CHANNEL # 90339 REFERENCE PATH ID: W21A CHART PLANVIEW NOTE: RADAR REQUIRED. LTP HAE: 16.1 M							
RW21 (MAP)				600 MSL (CA)			212.64				600									
600 MSL				CAPOB (DF) (FB) (RNP 1.00)																
CAPOB				SADDE (TF) (FO) (RNP 1.00)			282.54 / 9.51				5000									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 12E EPOCH YEAR: 2020						
2. PROFILE STARTS AT DARTS																				
3. FAC: 212.64 FAF: MOVVE DIST FAF TO MAP: 7.47 THLD: 7.47																				
4. MIN. ALT: DARTS 4200, MOVVE 3000, MIPTE/3.30 NM TO RW21 1440*																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																				
6. MIN GS INCPT: 3000 GS ALT AT: MOVVE 3000 OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.50 TCH: 53.0 20:1 IS CLEAR 34:1 IS NOT CLEAR																				
8. MSA FROM: RW21 7800																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@								
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	440	1	270	440	1	270	440	1	270	440	1	270								
LNAV/VNAV DA	685	1 1/2	515	685	1 1/2	515	685	1 1/2	515	685	1 1/2	515								
LNAV MDA	1120	1 1/4	950	1120	1 1/4	950	1120	1 1/4	950	1120	1 1/4	950								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 5C (41F) OR ABOVE 14C (58F). @ CAT A, B, C, D 1000-2 CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DARTS ON V186-597 EASTBOUND, V459-597 NORTHWEST BOUND AND ON V459 SOUTHEAST BOUND. (CONTINUED ON PAGE 2)																				
CITY AND STATE SANTA MONICA, CA				ELEVATION: 170 TDZE: 170 AIRPORT NAME: SANTA MONICA MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1A				SUP: AMDT: 1 DATED 02/01/2018						

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input 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 type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZLA, BUR APCH, LAX APCH, SMO ATCT, AMGR</div>			
Digitally signed by					
FLIGHT CHECKED BY					
DION E LANCIA					
NAME:		Jan 24, 2018		FIFO	
FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.				DATE:	
DEVELOPED BY					
NAME:		Digitally signed by		FIFO	
KEVIN KESZLER		KEVIN KESZLER		AJV-5421	
		Jan 18, 2018		DATE:	
				01/05/2018	
APPROVED BY					
NAME:		Digitally signed by		FIFO	
JULIE A. MORGAN		DION E LANCIA		AJV-5420	
		MANAGER		DATE:	
CHANGES:		Jan 24, 2018			
1. IN TERMINAL ROUTES, CHANGED FIX NAME MIBTE TO MIPTE. 2. DELETED CHART NOTE: DME/DME RNP-0.3 NA. 3. ADDED PBN REQUIREMENT NOTE: RNP APCH 4. LINE 7 ADDED 20:1 IS CLEAR.					
REASONS:					
1. TO CORRECT FIX NAME FROM PREVIOUS AMENDMENT. 2. NO LONGER REQUIRED PER 8260.19H CHARTING SPECIFICATIONS. 3. PER 8260.58A TABLE 1-2-1. 4. PER 8260.19H PARA 8-6-7G(3).					



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 PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).

PBN REQUIREMENT NOTE: RNP APCH

QUALITY
19
CHECKED

CITY AND STATE

SANTA MONICA, CA

ELEVATION: 170

TDZE: 170

AIRPORT NAME:

SANTA MONICA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, AMDT 1A

SUP:

AMDT: **1**

DATED: **02/01/2018**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSMO
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	340109.2935N
LTP/FTP LONGITUDE	1182650.1145W
LTP/FTP ELLIPSOIDAL HEIGHT	+00161
FPAP LATITUDE	340005.7100N
FPAP LONGITUDE	1182805.3365W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1688
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 C8BB63D2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00518
FPAP ORTHOMETRIC HEIGHT	+00518

QUALITY
19
CHECKED

CITY AND STATE SANTA MONICA, CA	ELEVATION: 170 AIRPORT NAME: SANTA MONICA MUNI	TDZE: 170	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1A	SUP:
					AMDT: 1
					DATED: 02/01/2018

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:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA											
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
LOS ANGELES APP CON SMO TOWER						N W S	OTHER: ASOS		SOURCE:KSMO		
						F A A			DISTANCE:		
						A / C			HOURS REMOTE OPERATION: 24/YES		
SATISFACTORY ON:											
X	V H F	X	U H F		H F	LOCATION: KSMO			ADJUSTMENT: 0		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS OPTN:	CAT 1								
				CAT 3							
5. APPROACH & RUNWAY LIGHTING				ALS							
				(S) SALS							
				MALS							
				HIRL							
		X	MIRL 03 (PCL), 21 (PCL)								
		X	REIL 21 (PCL)								
				TDZ							
				C/LINE							
		X	OTHER (SPECIFY) PAPI-4L 03 (PCL), 21 (PCL)								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT NPI-G 03, 21									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE: 3.50				ELEV RWY THRESHOLD:169.9					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:53.0					
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD FT. FROM THRESHOLD							
			X	ON CENTERLINE FT. FROM CENTERLINE							
10. WAIVERS: NONE											
PART D - PREPARED BY: KEVIN KESZLER						DATE: 01/05/2018					
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5421					

PART C - REMARKS:	
PRECIPITOUS TERRAIN EVALUATION COMPLETED.	
AVERAGE VEGETATION HEIGHT 75 FEET PER FPT CHECKLIST.	
VGSI DATA: 3.50/TCH 39.6	
CRITICAL TEMPERATURES: CRITICAL LOW :+5C (+52F) CRITICAL HIGH :+14C (+58F) ACT :+5C APT ISA :+14.66C	
CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 1115 HIGH TEMP 1116.	
NO ADDITIONAL AIRSPACE REQUIRED.	
ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 34:1	
206 TREE (06-042941) 340118.43N/1182643.25W (10.71) 207 TREE (06-042943) 340119.07N/1182643.37W (10.56)	
NO CIRCLING MINIMUMS PER FPT CHECKLIST DUE TO CONFLICT WITH LAX ARRIVAL FLOW	
RADAR REQUIRED AND 4200 (MEA) USED AS THE IF ALTITUDE, AT ATC REQUEST.	
25 DEGREE BANK ANGLE USED IN MISSED APPROACH SEGMENTS.	
LPV VISIBILITY 1 SM BASED ON PROTECTION OF THE RSA PER FPT CHECKLIST.	
<div>QUALITY 19 CHECKED</div>	