

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																		
RW21 (MAP)				600 MSL (CA)				212.64				600														
600 MSL				CAPOB (DF) (FB) (RNP 1.00)										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												
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 3/8	515	685	1 3/8	515	685	1 3/8	515	685	1 3/8	515														
LNAV MDA	1120	1 1/4	950	1120	1 1/4	950	1120	2 1/2	950	1120	2 1/2	950														
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 5C (41F) OR ABOVE 14C (58F). @ CAT A, B 1000-2, CAT C, D 1000-2 1/2 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 1B						SUP: AMDT: 1A DATED 03/29/2018										

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:					
A4A <div></div>	ALPA <div>X</div>	AOPA <div>X</div>	APA <div></div>	HAI <div></div>	NBAA <div>X</div>
OTHER (specify)			<div>X</div> ZLA, BUR APCH, LAX APCH, SMO ATCT, AMGR, ATA		
FLIGHT CHECKED BY					
NAME: FLIGHT INSPECTION REVIEW NOT REQUIRED – PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017			Digitally signed by ROBERT G HAMILTON		FIFO FIOG
			DATE:		
DEVELOPED BY					
NAME: JIMMY S. HUGHES			Digitally signed by JIMMY S HUGHES		FIFO AJV-5422
			DATE:		
Mar 15, 2018			APPROVED BY		
NAME: Digitally signed by ROBERT G HAMILTON			JULIE A. MORGAN		MANAGER
			FIFO AJV-5420		DATE:
CHANGES: Mar 22, 2018					
1. CHANGED LNAV/VNAV VISIBILITY FROM 1 1/2 TO 1 3/8 ALL CATS. 2. CHANGED LNAV CATS C AND D VISIBILITY FROM 1 1/4 TO 2 1/2.					
REASONS:					
1-2. INCORRECT VISIBILITIES PUBLISHED.					
<div>QUALITY 9 CHECKED</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 PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).

PBN REQUIREMENT NOTE: RNP APCH

QUALITY
9
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 1B

SUP:

AMDT: **1A**

DATED: **03/29/2018**

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: A4A ALPA APA AOPA HAI 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	KSMO
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
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

CRC REMAINDER

C8BB63D2

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
9
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 1B	SUP:
					AMDT: 1A
					DATED: 03/29/2018

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
A4A <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>	HAI <div><input type="checkbox"/></div>	NBAA <div><input type="checkbox"/></div>
OTHER (specify) <div><input type="checkbox"/></div> <div></div>					
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										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.															
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:					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: JIMMY S. HUGHES										DATE: 03/14/2018															
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422															

