

**FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
 TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> MOFFETT FEDERAL AFLD	<u>AIRPORT ID</u> KNUQ	<u>PROCEDURE NAME</u> ILS OR LOC RWY 32R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MOUNTAIN VIEW	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 37	<u>TDZE</u> 31	<u>SUPERSEDED</u> ILS OR LOC RWY 32R	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 16E
<u>FACILITY</u> I-NUQ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZAPEP/I-NUQ 20.53 DME	IAF	AGAPE/I-NUQ 16.89 DME					321.72	3.64 (I-NUQ)	5200
AGAPE/I-NUQ 16.89 DME	IF	RIROC/I-NUQ 13.38 DME					321.72	3.51 (I-NUQ)	4400
RIROC/I-NUQ 13.38 DME		ORZOS/I-NUQ 10.86 DME					321.72	2.52 (I-NUQ)	3600
ORZOS/I-NUQ 10.86 DME		JULUD/I-NUQ 8.98 DME					321.72	1.88 (I-NUQ)	3000
JULUD/I-NUQ 8.98 DME		EBIY/I-NUQ 6.11 DME					321.72	2.87 (I-NUQ)	2100

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: CIKGA/I-NUQ 0.26 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 310 AND ON OAK VOR/DME R-139 TO OAK VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT ZAPEP
3. FAC: 321.72 FAF: EBII/I-NUQ 6.11 DME DIST FAF TO MAP: DIST FAF TO THLD: 6.32
4. MIN ALT: ZAPEP/I-NUQ 20.53 DME 5500, AGAPE/I-NUQ 16.89 DME 5200, RIROC/I-NUQ 13.38 DME 4400, ORZOS/I-NUQ 10.86 DME 3600, JULUD/I-NUQ 8.98 DME 3000, EBII/I-NUQ 6.11 DME 2100, NUNLE/I-NUQ 2.00 DME 780\*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1150
6. MIN GS INCPT: 2100 GS ALT AT FAF : EBII/I-NUQ 6.11 DME 2100 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 57.1
8. MSA FROM: SJC VOR/DME 5600

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.  
RADAR REQUIRED FOR PROCEDURE ENTRY.

**NOTES:**

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 32R CAT E VISIBILITY TO 3/4 SM AND S-LOC 32R CAT C/D/E TO 1 3/8 SM.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
CHART VDP AT 1.10 DME\*  
DISTANCE VDP TO THLD 1.30 NM  
\* LOC ONLY  
CHART FAS OBST: 242 TANK 372243N/1220137W.  
453 AAO 371751N/1220000W.  
HOLD NW, RT, 139.00 INBOUND

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA  ILS: STANDARD - NA WHEN TOWER CLOSED.; LOC: STANDARD - CAT D 800-2 1/2, CAT E 1000-3, NA WHEN TOWER CLOSED.



CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 32R	231	1/2	200	231	1/2	200	231	1/2	200	231	1/2	200	231	1/2	200
S-LOC 32R	500	1/2	469	500	1/2	469	500	1	469	500	1	469	500	1	469
CIRCLING	540	1	503	600	1	563	620	1 1/2	583	780	2 1/2	743	940	3	903

**CHANGES - REASONS**

1. REMOVED EQUIPMENT REQUIREMENTS NOTE: TACAN REQUIRED - INDUSTRY REQUEST - REMOVE TO ACCOMODATE NON-TACAN AIRCRAFT.
2. CHANGE MISSED APPROACH FROM: "CLIMB TO 3200 ON NUQ TACAN R-321 TO PEYIC/NUQ 16 DME AND HOLD, NW, RT, 140.90 INBOUND" TO: "CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 310 AND OAK R-139 TO OAK VOR/DME AND HOLD, NW, RT, 139.00 INBOUND" - AIRPORT REQUEST TO REMOVE THE TACAN REQUIREMENT TO ACCOMODATE NON-TACAN AIRCRAFT.
3. REMOVED PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.00}/TCH {55}) - GLIDEPATH TCH/ANGLE ARE COINCIDENT PER AIRNAV VGSI AND NAVAID RECORDS.
4. CHANGED MSA FROM MOFFETT (NUQ) TACAN TO SAN JOSE (SJC) VOR/DME - AIRPORT REQUESTED TACAN BE REMOVED TO ACCOMODATE NON-TACAN AIRCRAFT.

COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA

OTHER: ARPT MGR, ZOA, NORCAL APP CON, NUQ ATCT

FLIGHT CHECKED BY

THOMAS MOLOKIE

*Digitally signed by* OFFICE

DATE

**WARDELL HENNING** FICO

09/24/2019

Oct 25, 2019

OFFICE

DATE

AJV-A432

07/09/2019

DEVELOPED BY

MIKE MELSSEN

*Digitally signed by*

**MIKE MELSSEN**

Sep 03, 2019

APPROVED BY

GEORGE DAVIS

*Digitally signed by*

**WARDELL HENNING**

Oct 28, 2019

OFFICE

AJV-430

DATE

TITLE  
MANAGER

