

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> BROWN FIELD MUNI | <u>AIRPORT ID</u> KSDM | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 8L | <u>ORIGINAL/AMENDMENT</u> 1C | <u>CITY</u> SAN DIEGO | <u>STATE</u> CA |
| <u>AIRPORT ELEVATION</u> 526 | <u>TDZE</u> 526 | <u>SUPERSEDED</u> RNAV (GPS) RWY 8L | <u>ORIGINAL/AMENDMENT</u> 1B | <u>DATED</u> 04/28/2016 | <u>MAG VAR</u> 14E |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 3 DECEMBER 2020 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | <u>EPOCH YEAR</u> 1980 |

TERMINAL ROUTES

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| MZB VORTAC | IAF | LUGJA | NOPT | TF | FB | 1.00 | 170.29 | 9.42 | 3000 |
| LUGJA | IF/IAF | YAPKI | | TF | FB | 1.00 | 096.47 | 7.23 | 2400 |
| YAPKI | FAF | UGOYA | MAP | TF | FO | 0.30 | 081.54 | 5.23 | |
| UGOYA | MAP | 980 MSL | | CA | | | 081.54 | | 980 |
| 980 MSL | | LUGJA | | DF | FO | 1.00 | | | 3000 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: UGOYA

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 190 KIAS UNTIL LUGJA) CLIMB TO 980 THEN CLIMBING LEFT TURN TO 3000 DIRECT LUGJA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD W LUGJA, RT, 096.47 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 081.54 FAF: YAPKI DIST FAF TO MAP: 5.23 DIST FAF TO THLD: 5.72

4. MIN ALT: LUGJA 3000, YAPKI 2400

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT:

6. MIN GP INCPT: 2400 GP ALT AT FAF : YAPKI 2400 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 52.4

8. MSA FROM: UGOYA 6100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA S OF RWY 08R-26L.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MZB VORTAC AIRWAY RADIALS 114 CW 255.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #56534
REFERENCE PATH ID: W08A
CHART FAS OBST: 601 TREE 323349N/1165919W.
LTP HAE: 125.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1800-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY: | A | | | B | | | C | | | D | | | E | | |
|--------------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|
| FINAL TYPE | 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 |
| LPV DA | 726 | 3/4 | 200 | 726 | 3/4 | 200 | 726 | 3/4 | 200 | 726 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 776 | 3/4 | 250 | 776 | 3/4 | 250 | 776 | 3/4 | 250 | 776 | 3/4 | 250 | | | |
| LNAV MDA | 860 | 1 | 334 | 860 | 1 | 334 | 860 | 1 | 334 | 860 | 1 | 334 | | | |
| CIRCLING | 1020 | 1 | 494 | 1020 | 1 | 494 | 1200 | 2 | 674 | 2260 | 3 | 1734 | | | |



CHANGES - REASONS

1. MISSED APPROACH INSTRUCTIONS CHANGED FROM “(DO NOT EXCEED 210K UNTIL LUGJA) CLIMB TO 940 THEN CLIMBING LEFT TURN TO 3000 DIRECT LUGJA AND HOLD” TO “(DO NOT EXCEED 190 KIAS UNTIL LUGJA) CLIMB TO 980 THEN CLIMBING LEFT TURN TO 3000 DIRECT LUGJA AND HOLD” - TARGETS 6.0 EVALUATION.
2. CHANGED TERMINAL ROUTES CA LEG FROM “940 MSL” TO “980 MSL” - TARGETS 6.0 EVALUATION.
3. REMOVED "RWY 8L DME/DME RNP -0.3NA" - NO LONGER REQUIRED.
4. ADDED PBN REQUIREMENTS NOTE: "RNP APCH" - IAW 8260.19H 8-6-8.B.(1).
5. ADDED "20:1 IS CLEAR" - COMMENT NOW REQUIRED.
6. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2C (36F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 2°C OR ABOVE 54°C" - REMOVED FAHRENHEIT - IAW 8260.19H 8-6-9.S.
7. REMOVED BACKUP ALTIMETER AND ASSOCIATED BARO-VNAV NA NOTES - MOVED TO -9 AS A CONTINGENCY.
8. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: “589 TREE, 323419N/1170106W” TO “601 TREE 323349N/1165919W” - NEW CONTROLLING OBSTACLE IDENTIFIED LNAV FINAL, IAW 8260.19H 8-6-10.C.
9. CHANGED LNAV MINIMUMS FOR CAT A-D FROM “MDA/HAT 840/314” TO “MDA/HAT 860/334” - NEW CONTROLLING OBSTACLE IDENTIFIED.
10. UPDATED LTP/FTP LATITUDE/LONGITUDE CHANGED FROM "323425.6400N/1165936.3200W" TO "323425.6635N/1165936.3405W" - AIRNAV DATA RWY 08L.
11. UPDATED FPAP FROM "323416.9200N/1165751.3900W" TO "323416.9455N/1165751.4065W" - AIRNAV DATA RWY 08L.
12. CRC REMAINDER CHANGED FROM "7FBEEC62" TO "A96617FD," LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+01259" TO "+01257", LTP/FTP LATITUDE/LONGITUDE CHANGED FROM "323425.6400N/1165936.3200W" TO "323425.6635N/1165936.3405W", AND FPAP CHANGED FROM "323416.9200N/1165751.3900W" TO "323416.9455N/1165751.4065W".
13. CHANGED LNAV CAT C/D VISIBILITY FROM "7/8 SM" TO "1 SM" - NEW CONTROLLING OBSTACLE IDENTIFIED.
14. CHANGED CIRCLING CAT C VISIBILITY FROM "1 3/4 SM" TO "2 SM" - NEW CONTROLLING OBSTACLE IDENTIFIED.
15. ADDED "MAX 6000" TO THE CLIMB-IN-HOLD ON LINE 2 - IAW 8260.19H PARA 8-6-7.B(2).
16. CHANGED LNAV CAT C/D VISIBILITY FROM 7/8 SM TO 1 SM - NEW OBSTICAL.
17. CHANGED CIRCLING CAT C VISIBILITY FROM 1 3/4 SM TO 2 SM - NEW OBSTICAL.
18. REMOVED BACKUP ALTIMETER AND ASSOCIATED BARO-VNAV NA NOTES - MOVED TO -9 AS A CONTINGENCY.
19. ALL CHANGES FROM AMDT 1A AND 1B HAVE BEEN INCORPORATED INTO THIS PROCEDURE.
20. CHANGED CAT A AND B CIRCLING MDA/HAA FROM "1060-1 534" TO 1020-1 494" - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A

☐

ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

SDM ATCT, SOCAL APP CON, ZLA, CA AERO, AMGR

FLIGHT CHECKED BY

THOMAS E MOLOKIE

Digitally signed by

JOHN BORDY

Oct 16, 2020

OFFICE

FICO

DATE

10/09/2020

DEVELOPED BY

JOHN BORDY (MICHAEL C. OLVERA)

Digitally signed by

JOHN BORDY

Oct 16, 2020

OFFICE

AJV-A422

DATE

11/05/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Oct 16, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KSDM |
| RUNWAY | RW08L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W08A |
| LTP/FTP LATITUDE | 323425.6635N |
| LTP/FTP LONGITUDE | 1165936.3405W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01257 |
| FPAP LATITUDE | 323416.9455N |
| FPAP LONGITUDE | 1165751.4065W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00052.4 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0320 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | A96617FD |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +01604 |
| FPAP ORTHOMETRIC HEIGHT | +01604 |

