

**UNITED STATES AIR FORCE
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
PMD	HI-ILS Y OR LOC Y RWY 25	6A	PALMDALE	CA
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>
2543	2503	HI - ILS OR LOC RWY 25	4	05/24/2018
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>MAG VAR</u>
I-PMD			ROUTINE	12E
				<u>EPOCH YEAR</u>
				2020
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PDZ VORTAC		HELDE INT/PMD 34.00 DME					353.80	47.66	15000
HELDE INT/PMD 34.00 DME	IAF	ONOLE/PMD 23.30 DME					247.40 (PMD R-067)	10.70	12000
ONOLE/PMD 23.30 DME		MUCEF/PMD 16.30 DME					247.40 (PMD R-067)	7.00	8600
MUCEF/PMD 16.30 DME		KUKPE/PMD 11.30 DME					215.00 & 254.20 (I-PMD)	1.64 & 3.64	6000
KUKPE/PMD 11.30 DME	IF	FORDA/PMD 5.63 DME					254.20 (I-PMD)	5.68	4500

MISSED APPROACH

MAP:

ILS: DA
LOC: 6.08 NM AFTER FORDA/PMD 5.63 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 6700 ON HEADING 318 AND ON PMD VORTAC R-298 TO FISCH INT/PMD 14.26 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HELDE INT/PMD 34.00 DME
- FAC: 254.20 FAF: FORDA/PMD 5.63 DME DIST FAF TO MAP: 6.08 DIST FAF TO THLD: 6.08
- MIN ALT: HELDE INT/PMD 34.00 DME 15000, ONOLE/PMD 23.30 DME 12000, MUCEF/PMD 16.30 DME 8600, KUKPE/PMD 11.30 DME 6000, FORDA/PMD 5.63 DME 4500, SKKEE/PMD 2.54 DME 3500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1340
- MIN GS INCPT: 4500 GS ALT AT PFAF: FORDA/PMD 5.63 DME 4500 OM: MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 63.3
- MSA FROM: PMD VORTAC 070-180 11300, 180-340 7800, 340-070 5400, ESA W/IN 100 NM 14400

QUALITY
10
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA S OF RWYS 4 AND 25.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PDZ VORTAC AIRWAY RADIALS 012 CW 030.
CHART NOTE: DME FROM PMD VORTAC. SIMULTANEOUS RECEPTION OF I-PMD AND PMD DME REQUIRED.
CHART PLANVIEW NOTE: CAUTION: HIGH TERRAIN 5 NM SW OF AIRPORT.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT HELDE: HOLD NE, LT, 247.40 INBOUND, AT OR ABOVE 15000.
CHART AT OR BELOW FL180 AND AT OR ABOVE 15000 AT HELDE.

HOLD SE, LT, 298.00 INBOUND.
CHART FAS OBST: 2564 TREE 343758N/1180010W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 1200-3, CAT E 1300-3, NA WHEN CONTROL TOWER CLOSED.

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
S-ILS 25		NA			NA		2703	3/4	200	2703	3/4	200	2703	3/4	200
S-LOC 25		NA			NA		2820	7/8	317	2820	7/8	317	2820	7/8	317
CIRCLING		NA			NA		3140	1 1/2	597	3740	3	1197	3760	3	1217

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM HI ILS OR LOC/DME RWY 25 TO HI-ILS Y OR LOC Y RWY 25 – 8260.3E CHANGE 1, 1-6-5.
2. DELETED CNF FIX RERVE; DELETED NOTE "CHART (RERVE) AT INTERSECTION OF MUCEF DR LEG AND INTERMEDIATE COURSE" FROM ADDITIONAL FLIGHT DATA.



COORDINATED WITH:

A4A

☐

ALPA

☐

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZLA, JOSHUA APP CON, PMD ATCT, AMGR

FLIGHT CHECKED BY

Digitally signed by

ALLAN WILL

Mar 20, 2025

OFFICE

DATE

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

Digitally signed by

RAYMOND R JOHNSON

Aug 19, 2024

OFFICE

DATE

RAYMOND JOHNSON

AJV-A423

11/27/2023

RECOMMENDED BY

Digitally signed by

ALLAN WILL

Mar 20, 2025

OFFICE

DATE

TITLE

ALLAN WILL

AJV-A423

MANAGER

APPROVED BY

OFFICE

DATE

TITLE



**UNITED STATES AIR FORCE
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
PMD	HI-ILS Y OR LOC Y RWY 25	6A	PALMDALE	CA	2543	I-PMD

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM PDZ VORTAC	TO HELDE INT/PMD 34.00 DME
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<u>RNP</u>	<u>DISTANCE</u> 47.66	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1. AAO	341321.00N/1173512.00W	9174	164	98	4E	2000				SA-894 AT4720	15000
2. TERRAIN	341403.00N/1173303.00W	7359 (7400)								AS1500	8900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM HELDE INT/PMD 34.00 DME	TO ONOLE/PMD 23.30 DME
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<u>RNP</u>	<u>DISTANCE</u> 10.70	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3. AAO	344421.64N/1173342.35W	4320	1000	20	6C	1000				AT6680	12000
4. TERRAIN	344421.64N/1173342.35W	4120 (4100)								AS1500	5600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: STEPDOWN

FROM

ONOLE/PMD 23.30 DME

TO

MUCEF/PMD 16.30 DME

<u>RNP</u>	<u>DISTANCE</u> 7.00	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5. AAO	344354.00N/1173536.00W	3839	164	98	4E	1000				AT3761	8600
6. TERRAIN	344354.00N/1173536.00W	3639 (3600)								AS1500	5100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

MUCEF/PMD 16.30 DME

TO

KUKPE/PMD 11.30 DME

<u>RNP</u>	<u>DISTANCE</u> 1.64	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7. AAO	344029.40N/1174749.80W	3851	1000	20	6C	1000				AT1149	6000
8. TERRAIN	344029.40N/1174749.80W	3651 (3700)								AS1500	5200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

KUKPE/PMD 11.30 DME

TO

FORDA/PMD 5.63 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.68										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9. AAO	343548.00N/1175139.00W	3488	164	98	4E	500				AC98 AT414	4500
10. TERRAIN	343548.00N/1175139.00W	3288 (3300)								AS1000	4300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

FORDA/PMD 5.63 DME

TO

RW25

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.66		DA				200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2703

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LOC

FROM

FORDA/PMD 5.63 DME

TO

SKKEE/PMD 2.54 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
	3.08										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
11. AAO	343744.64N/1175748.02W	2769	50	20	2C	250				XL4 DG477	3500

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

SKKEE/PMD 2.54 DME

TO

6.08 NM AFTER FORDA/PMD 5.63 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
	3.00		6.08 NM AFTER FORDA/PMD 5.63 DME			317					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
12. TREE	343758.22N/1180009.51W	2564	50	20	2C	250					2820

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: ILS

FROM

DA

TO

FISCH INT/PMD 14.26 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 2526			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				6700
13. AAO	344412.00N/1182224.00W	2943	164	98	4E	1000					4000
14. TERRAIN	344412.00N/1182224.00W	2743 (2700)								AS1500	4200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY C											
15. VEHICLE ON ROAD	343451.70N/1180801.64W	1.70	597	2826	50	20	2C	300			3140
CATEGORY D											
16. AAO	343430.57N/1180908.99W	2.30	1197	3427	50	20	2C	300			3740
CATEGORY E											
17. AAO	343608.72N/1181213.37W	2.99	1217	3455	50	3	2A	300			3760

CIRCLING REMARKS:



ESA

CENTER

PMD VORTAC

RADIUS

100

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	361557.00N/1180705.00W	343	98.0	12323	250	3	4A	2000			14400

ESA REMARKS:

MSA

CENTER

PMD VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
070-180	200' AAO		120	28.9	10246				1000			11300
180-340	200' AAO		185	16.2	6760				1000			7800
340-070	200' AAO		060	25.7	4320				1000			5400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VGSI DATA: 3.00/58.1

30 FT TREE HEIGHT USED FOR EVALUATION BASED ON MAXIMUM GROWTH OF INDIGENOUS VEGETATION (JOSHUA TREE).

OBSTACLE #15 ACCOUNTS FOR VEHICLE ON FREEWAY 14 THAT IS LOCATED 12000 FT FROM WEST END OF RWY 7/25 - DISTANCE AND HEIGHT OF ELEVATED FREEWAY (UP TO 90 FT) PROVIDED BY USAF POINT OF CONTACT FOR AIRPORT; STANDARD 17 FT USED FOR VEHICLE ON MAJOR HIGHWAY.

INTERMEDIATE SEGMENT WHOLLY CONTAINED WITHIN LATERAL LIMITS OF CLASS E SURFACE AREA - FLOOR OF CONTROLLED AIRSPACE IS 700 FT WITH THE ADDITION OF 300 FT BUFFER.
ALTERNATE MISSED APPROACH NOT DEVELOPED DUE TO THE COMBINATION OF HIGH TERRAIN TO THE SOUTH AND WEST, SPECIAL USE AIRSPACE TO THE NORTH, AND LACK OF VIABLE NAVAID COVERAGE IN AREAS THAT WOULD POTENTIALLY BE SUITABLE FOR THE DEVELOPMENT OF AN ALTERNATE.

FOR CONTINGENCY PURPOSES ONLY:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WJF ALTIMETER SETTING AND INCREASE DA 49 FT AND ALL MDA 60 FT; INCREASE S-LOC 25 CATS C, D, AND E VISIBILITY TO 1 SM AND CIRCLING CAT C VISIBILITY TO 1 3/4 SM.

ALTERNATE MINIMUMS: #@NA WHEN LOCAL WEATHER NOT AVAILABLE.

ESA OBSTACLE:
360-360 AAO 343/98.0 12323 (4A) 14400



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

JOSHUA APP CON, PMD TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	PMD	24/YES	PMD	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	WJF	24/YES	WJF	9.42	Y	49

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KPMD 2543, KWJF 2351
RA = 49.0.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-PMD	PMD ATCT	TOWER OPEN	1
		TOWER CLOSED	3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW04 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW07 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW22 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW25 - REIL (PCL), HIRL (PCL), PAPI-4L	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	2498.7	63.3	2491.8	1340	3.00	76.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAYMOND JOHNSON	AJV-A423	11/27/2023	AERONAUTICAL INFORMATION SPECIALIST

