

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LDA SPECIAL INSTRUMENT APPROACH PROCEDURE
SPECIFICATION -- NOT FOR COCKPIT USE**

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.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
PSG/PAPG	LDA RWY 23	ORIG-B	PETERSBURG	AK		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
113	109	LDA RWY 23	ORIG-A	09/05/2024	21E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	ROUTINE	
I-PSG						

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>
ZARUT/LVD R-306/42.21 DME CW	IAF	UNEKY/LVD 42.21 DME					42.21 DME ARC		10000
UNEKY/LVD R-335/42.21 DME CW	IAF	JERDU/I-PSG 21.68 DME					42.21 DME ARC (LVD LR-346)		8000%
JERDU/I-PSG 21.68 DME	IF	SANDI/I-PSG 16.68 DME					164.00 (I-PSG)	5.00	6000
SANDI/I-PSG 16.68 DME		ZABLO/I-PSG 14.00 DME					164.00 (I-PSG)	2.68	5200
ZABLO/I-PSG 14.00 DME		TUCOD/I-PSG 10.18 DME					164.00 (I-PSG)	3.82	4100

MISSED APPROACH

MAP:

WEBUP/4.00 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 3900 ON HEADING 117 THEN CLIMBING RIGHT TURN TO 7000 ON LVD VOR/DME R-019 TO LVD VOR/DME AND HOLD.
MISSED APPROACH REQUIRES MINIMUM CLIMB OF 478 FEET PER NM TO 3200; IF UNABLE TO MEET CLIMB GRADIENT, SEE LDA-D.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- PROFILE STARTS AT JERDU/I-PSG 21.68 DME
- FAC:** 164.00 **FAF:** TUCOD/I-PSG 10.18 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 10.00
- MIN ALT:** JERDU/I-PSG 21.68 DME 8000%, SANDI/I-PSG 16.68 DME 6000, ZABLO/I-PSG 14.00 DME 5200, TUCOD/I-PSG 10.18 DME 4100
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- MIN GS INCPT:** **GS ALT AT FAF:** **OM:** **MM:** **IM:**
- GS ANGLE:** **34:1:** **20:1:** **TCH:**
- MSA FROM:** LVD VOR/DME 135-225 4800, 225-315 4000, 315-135 5400

QUALITY
10
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
CHART NOTE: PROCEDURE NOT CONTAINED WITHIN CONTROLLED AIRSPACE
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WRG/PAWG ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT.
CHART PLANVIEW NOTE: % IF I-PSG LDA NOT RECEIVED WHEN CROSSING LVD R-346, PROCEED DIRECT TO LVD VOR/DME AND HOLD.
CHART PROFILE NOTE: USE I-PSG DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: USE OF THIS PROCEDURE REQUIRES SPECIFIC AUTHORIZATION BY FAA FLIGHT STANDARDS.
CHART PLANVIEW NOTE: DUE TO HIGH TERRAIN, REMAIN WITHIN 1.5 MILES OF RWY WHILE MANEUVERING TO LAND.
CHART PROFILE NOTE: FLY VISUAL TO RWY 23; BRG/DIST TO RWY 23 167°/3.8NM.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 65.75 DEGREES.
CHART LVD R-019
HOLD SE, RT, 308.29 INBOUND.
FAS OBST: 751 AAO 565808N/1325240W.
CHART LVD R-306 AT ZARUT.
CHART LVD R-335 AT UNEKY.
FAC CROSSES RWY C/L EXTENDED 1595 FT FROM THLD.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B, C 1100-3, 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
S-23	1120	3	1011	1120	3	1011	1120	3	1011		NA				

CHANGES - REASONS

1. CHART NOTE CHANGED FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PSG/PAPG ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WRG/PAWG ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT - UPDATED TO CORRECT ALTIMETER SOURCE.
2. MISSED APPROACH INSTRUCTIONS: REMOVED ASTERISK FROM INSTRUCTIONS AND FROM S-23 LINE OF MINIMUMS - NO NEED FOR ATTENTION SYMBOL AS THERE IS ONLY 1 LINE OF MINIMUMS.



<u>AIRPORT ID</u> PSG/PAPG	<u>PROCEDURE NAME</u> LDA RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> PETERSBURG	<u>STATE</u> AK
<u>SUBMITTED BY</u>		<u>OFFICE</u>	<u>DATE</u>	
<u>FLIGHT CHECKED BY</u> PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION	<i>Digitally signed by</i> ALLAN WILL Feb 04, 2025	<u>OFFICE</u>	<u>DATE</u>	
<u>DEVELOPED BY</u> RAYMOND JOHNSON	<i>Digitally signed by</i> ALLAN WILL Feb 04, 2025	<u>OFFICE</u> AJV-A423	<u>DATE</u> 09/17/2024	
<u>RECOMMENDED BY</u> ALLAN WILL	<i>Digitally signed by</i> ALLAN WILL Feb 04, 2025	<u>OFFICE</u> AJV-A423	<u>DATE</u>	<u>TITLE</u> MANAGER
<u>APPROVED BY</u> ALLAN WILL	<i>Digitally signed by</i> ALLAN WILL Feb 04, 2025	<u>OFFICE</u> AJV-A423	<u>DATE</u>	<u>TITLE</u>



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

AIRPORT ID
PSG/PAPG

PROCEDURE NAME
LDA RWY 23

AMDT NO.
ORIG-B

CITY
PETERSBURG

STATE
AK

AIRPORT ELEVATION
113

FACILITY
I-PSG

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

FROM
ZARUT/LVD 42.21 DME CW

TO
UNEKY/LVD 42.21 DME

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<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>
AAO	571034.30N/1331935.30W	3372	1000	3	6A	1000				PR160 XP5468	10000
TERRAIN	571035.30N/1331935.30W	3172 (3200)								AS1500	4700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP - LVD RESTRICTION

INITIAL: ARC

FROM
UNEKY/LVD 42.21 DME CW

TO
JERDU/I-PSG 21.68 DME

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<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>
AAO	571248.00N/1324817.00W	5998	250	50	4D	1000				XP627 PR375	8000
TERRAIN	571248.00N/1324817.00W	5798 (5800)								AS1500	7300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP - LVD RESTRICTION



INTERMEDIATE

FROM

JERDU/I-PSG 21.68 DME

TO

SANDI/I-PSG 16.68 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	5.00										
<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>
AAO	571017.73N/1325325.17W	4999	100	50	3D	500				PR313 DG188	6000
TERRAIN	570745.00N/1325236.00W	4200 (4200)								AS1500	5700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

SANDI/I-PSG 16.68 DME

TO

ZABLO/I-PSG 14.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	2.68										
<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>
AAO	570243.78N/1324651.06W	4300	250	50	4D	500				PR197 SA-475 DG678	5200
TERRAIN	570327.00N/1324830.00W	2999 (3000)								AS1500	4500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

ZABLO/I-PSG 14.00 DME

TO

TUCOD/I-PSG 10.18 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
	3.82										
<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>
AAO	570209.87N/1324724.44W	3299	250	50	4D	500				SA-459 DG760	4100
TERRAIN	570027.00N/1325018.00W	808 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

TUCOD/I-PSG 10.18 DME

TO

WEBUP/4.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
	6.18		WEBUP/4.00 DME			1011					
<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>
AAO	565808.30N/1325240.38W	751	250	3	4A	250				XL9 XP100	1120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP- DERIVE 1000 HATH FOR THE FLY VISUAL CRITERIA



MISSED APPROACH

FROM

WEBUP/4.00 DME

TO

LVD VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 861				
<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>
AAO	565035.01N/1324631.86W	2100	250	50	4D		ASC	478	3200	AC50	7000
AAO	563454.80N/1325159.00W	3517	20	3	1A	1000					4600
TERRAIN	563454.80N/1325159.00W	3317 (3300)								AS1500	4800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER

LVD VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
135-225	AAO	561352.30N/1333542.90W	210	22.2	3770	500	125	5E	1000			4800
225-315	AAO	564658.70N/1332721.10W	307	29.6	2965	100	3	3A	1000			4000
315-135	AAO	565351.20N/1330248.00W	343	25.9	4400	1000	20	6C	1000			5400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

1:250,000 AND 1:63K MAPS USED TO DERIVE SOME ACCURACY VALUES.

PROCEDURE OFFSET BY 66 DEGREES FROM RWY 23 THRESHOLD. PROCEDURE DEVELOPED TO A POINT IN SPACE FOR LOWEST POSSIBLE MDA PER CAPSTONE PHASE II PROCEDURE DEVELOPMENT IN SOUTHEAST ALASKA. AIRCRAFT WILL EXECUTE MISSED APPROACH AT THE MAP OR CANCEL IFR AND PROCEED VFR TO THE AIRPORT.

CIRCLING AREA NOT EVALUATED, POINT IN SPACE APPROACH PROCEEDING VFR AFTER THE MAP. NO ROC EVALUATION CONDUCTED EXCEPT IN THE CASE OF MISSED APPROACH FROM THE MAP.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SIT FSS, ZAN ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3P	PSG/PAPG	24	PSG/PAPG	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3P	WRG/PAWG	24	WRG/PAWG	26.92	Y	71

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PAPG 113, PAWG 49
RA = 71.0.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-PSG	POCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW05 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-F	
RW23 - MALSF (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-F	

<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	45.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	1595FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	400
ON CENTERLINE	☒	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>

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:



