

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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> SOLDOTNA	<u>AIRPORT ID</u> PASX	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> SOLDOTNA	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 113	<u>TDZE</u>	<u>SUPERSEDED</u> VOR/DME-A	<u>ORIGINAL/AMENDMENT</u> 7F	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 19E
<u>FACILITY</u> ENA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

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>
SWANS/ENA 10.00 DME CCW	IAF	FANKA/ENA 10.00 DME	NOPT				10.00 DME ARC		1900
FANKA/ENA 10.00 DME	IF	ENA VOR/DME					131.97	10.00	1900

MISSED APPROACH

MAP:

ZIDVA/ENA 9.40 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3700 ON HEADING 184 AND ON ENA R-138 TO CABUG/ENA 12.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R **SIDE OF COURSE** 311.97 **OUTBOUND** 1900 **FT WITHIN** 10 **MILES OF** ENA VOR/DME (IAF)
2.
3. **FAC:** 131.97 **FAF:** ENA VOR/DME **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:** ENA VOR/DME 1900
8. **MSA FROM:** ENA VOR/DME 030-190 3500, 190-030 2200

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 7S AND 25S.
CHART NOTE: CIRCLING RWY 7 NA AT NIGHT.



ADDITIONAL FLIGHT DATA:

CHART MAXIMUM 6000 AT ENA VOR/DME
FAC CROSSES MIDPOINT OF RWY 07-25.
CHART CIRCLING ICON.
CHART ENA R-028 AT SWANS.
CHART FAS OBST: 513 TOWER 603156N/1510459W.
HOLD SE, RT, 318.00 INBOUND

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3, 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
CIRCLING	1020	1 1/4	907	1020	1 1/4	907	1020	2 3/4	907	1020	3	907			

CHANGES - REASONS

1. CHANGED PROCEDURE TITLE FROM VOR/DME-A TO VOR-A AND ADDED EQUIPMENTS NOTE: DME REQUIRED - IAW 8260.3C CONCERNING PROCEDURE NAMES AND 8260.19H, 8-6-8.
2. CHANGE ALTERNATE MINIMUMS: FROM "STANDARD, CAT D 800-2 1/2" TO "CATS A/B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3" - NOTAM 7/1158.
3. CHANGES MADE TO INCORPORATE P-NOTAM 3/7899: DELETE STEPDOWN FIX AND SEGMENT, CIRCLING MDA 1020/HAA 907 ALL CATS, VISIBILITY CAT A/B 1 1/4, CAT C 2 3/4, CAT D 3, CHART FINAL FAS OBSTACLE TOWER 02-000106 - P-NOTAM 3/7899.
4. CHANGE FROM CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KENAI ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND CAT C VISIBILITY 1/4 MILE" TO PART C REMARKS "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KENAI ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET" - P-NOTAM 3/7899.
5. ADDED CHART NOTE: CIRCLING RWY 7 NA AT NIGHT, ADDED CHART NOTE: CIRCLING RWY 7S/2RS NA - NOTAM 8/8441.

COORDINATED WITH:**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN ARTCC, AIRPORT MANAGER**FLIGHT CHECKED BY****OFFICE****DATE****DEVELOPED BY**

LONNIE EVERHART (CASEY HILL)

OFFICE

AJV-5400

DATE

06/29/2018

APPROVED BY

LONNIE EVERHART

OFFICE

AJV-5400

DATE**TITLE**
MANAGERQUALITY
22
CHECKED

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

<u>AIRPORT</u> SOLDOTNA	<u>AIRPORT ID</u> PASX	<u>PROCEDURE NAME</u> VOR-A	<u>AMDT NO.</u> 8	<u>CITY</u> SOLDOTNA	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 113	<u>FACILITY</u> ENA
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

<u>FROM</u> SWANS/ENA 10.00 DME CCW	<u>TO</u> FANKA/ENA 10.00 DME
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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	604315.00N/1510624.00W	548	164	98	4E	1000				AT352	1900
2.TERRAIN	604315.00N/1510624.00W	348 (300)								AS1500	1800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

INTERMEDIATE

<u>FROM</u> FANKA/ENA 10.00 DME	<u>TO</u> ENA VOR/DME
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<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<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	604436.00N/1511512.00W	542	164	98	4E	500				AC98 AT760	1900
4.TERRAIN	604436.00N/1511512.00W	342 (300)								AS1500	1800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

QUALITY
22
CHECKED

INTERMEDIATE: PT

FROM

10 NM

TO

ENA VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
	10.00											
<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>	
3.AAO	604436.00N/1511512.00W	542	164	98	4E	500				AC98 AT760	1900	
4.TERRAIN	604436.00N/1511512.00W	342 (300)								AS1500	1800	

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:

FINAL

FROM

ENA VOR/DME

TO

ZIDVA/ENA 9.40 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
	9.40		ZIDVA/ENA 9.40 DME									
<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.TOWER (02-000106)	603155.58N/1510459.34W	513	20	3	1A	250				XL170 XP87	1020	

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT
REMARKS:
MAINTAIN PUBLISHED CMDA



PROCEDURE TURN

FROM

ENA VOR/DME

TO

10 NM

<u>RNP</u>	<u>DISTANCE</u>	<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>
6.AAO	603730.00N/1505618.00W	575	164	98	4E	1000				AC98 DG227	1900
7.TERRAIN	603730.00N/1505618.00W	375 (400)								AS1500	1900

COMPUTATIONS

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

MISSED APPROACH

FROM

ZIDVA/ENA 9.40 DME

TO

CABUG/ENA 12.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<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>
							ASC				3700
8.AAO	602545.00N/1505718.00W	575	164	98	4E	1000					1600
9.TERRAIN	602545.00N/1505718.00W	375 (400)								AS1500	1900

COMPUTATIONS

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



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
10.ANTENNA (02-251677)	602750.09N/1510452.59W	1.30	907	434	20	10	1B	300		SI	1020
CATEGORY B											
11.ANTENNA (02-234094)	602737.62N/1510553.17W	1.81	907	463	20	10	1B	300		SI	1020
CATEGORY C											
12.TREE	602630.41N/1505728.72W	2.84	907	509	50	20	2C	300		SI	1020
CATEGORY D											
13.AAO	602510.25N/1510100.50W	3.71	907	672	250	20	4C	300		SI	1020

CIRCLING REMARKS:

MSA

CENTER

ENA VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
030-190	AAO	601448.00N/1503430.00W	121	28.8	2451	164	98	4E	1000			3500
190-030	AAO	605203.00N/1520200.00W	283	29.0	1109	164	98	4E	1000			2200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

XP87 IN FINAL SEGMENT TO MAINTAIN PUBLISHED CMDA FOR THIS ABBREVIATED AMENDMENT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAN ARTCC, KENAI FSS

<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>
AWOS	PASX	24	PASX	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	PAEN		PAEN	8.478	Y	22

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
PASX 112.5, PAEN 98.5
RA = 21.56.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
ENA VOR/DME	POCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07 - MIRL (PCL), VASI-4L (PCL)	NPI-G	
RW25 - MIRL (PCL), VASI-4L (PCL)	NPI-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>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input type="checkbox"/>	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

Final Type	CIRCLING RWY 07
20:1	
159 TREE (02-233186) 602826.54N/1510336.63W (0.67)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL IS CIRCLING ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FOR CONTINGENCY PURPOSES:
-WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KENAI ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

100 FT TREES USED IN ALL SEGMENTS.

LARGEST PATTERN NOT USED ON PROCEDURE TURN TO AVOID HIGHER OBSTACLES AND TERRAIN, USING THE SMALLER PATTERN ALLOWED FOR A LOWER ALTITUDE.

FAC CROSSES MIDPOINT OF RWY 07-25.

NO ADDITIONAL AIRSPACE REQUIRED.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	ARP	TO 1000FT POINT	8.40
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.28
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	150.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	367
DISTANCE FROM	ARP	TO 1500FT POINT	9.40
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	150.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	367

THRESHOLD
COORDINATES
(IF STR-IN)

ARP COORDINATES602830.50N/1510222.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 25 DISTANCE 0.41 NM

FAF
COORDINATES603652.93N/1511142.87W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.



<u>AIRPORT</u>	<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>
SOLDOTNA	PASX	VOR-A	7G	SOLDOTNA	AK	113	ENA
PART E: PREPARED BY							
<u>NAME</u>			<u>OFFICE</u>		<u>DATE</u>	<u>TITLE</u>	
LONNIE EVERHART (CASEY HILL)			AJV-5400		06/29/2018	AERONAUTICAL INFORMATION SPECIALIST	

