

**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 ID</u> PANC	<u>PROCEDURE NAME</u> ILS OR LOC RWY 7L ILS RWY 7L (SA CAT I), ILS RWY 7L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> ANCHORAGE	<u>STATE</u> AK			
<u>AIRPORT ELEVATION</u> 151	<u>TDZE</u> 128	<u>SUPERSEDED</u> ILS OR LOC RWY 7L ILS RWY 7L (SA CAT I), ILS RWY 7L (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 4	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2020	
<u>FACILITY</u> I-TGN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

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>
ENA VOR/DME	IAF	AINKK/I-TGN 16.82 DME	NOPT				011.38	38.72 (TED LR-246)	2000
AINKK/I-TGN 16.82 DME	IF	WUGSI/I-TGN 11.97 DME					073.88	4.86 (I-TGN)	1600
WUGSI/I-TGN 11.97 DME		WEBBI/I-TGN 6.37 DME					073.88	5.60 (I-TGN)	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: I-TGN 1.92 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 230 AND TED VOR/DME R-210 TO JUKEP/TED 15.00 DME AND HOLD.
(TACAN AIRCRAFT CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 230 AND EDF TACAN R-210 TO JUKEP/EDF 22.63 DME AND HOLD; HOLDING, NE JUKEP/EDF 22.63 DME, RT, 209.63 INBOUND).

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 230 AND ENA VOR/DME COURSE 028 TO JUKEP/ENA 34.18 DME AND HOLD.



AIRPORT ID
PANC

PROCEDURE NAME
ILS OR LOC RWY 7L
ILS RWY 7L (SA CAT I),
ILS RWY 7L (SA CAT II)

ORIGINAL/AMENDMENT
5

CITY
ANCHORAGE

STATE
AK

PROFILE:

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

2. PROFILE STARTS AT AINKK

3. FAC: 073.88 FAF: WEBBI/I-TGN 6.37 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.46

4. MIN ALT: AINKK/I-TGN 16.82 DME 2000, WUGSI/I-TGN 11.97 DME 1600, WEBBI/I-TGN 6.37 DME 1600

5. DIST TO THLD FROM OM: MM: IM: 100 HAT: 893.00 150 HAT: 1847 GS ANT: 1000

6. MIN GS INCPT: 1600 GS ALT AT PFAF : WEBBI/I-TGN 6.37 DME 1600 OM: MM: IM:

7. GS ANGLE: 3.00 34:1: 20:1: TCH: 53.5

8. MSA FROM: TED VOR/DME 021-181 8900, 181-276 1800, 276-021 5600

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 7L: CAT A, B, C, D, RA 158, RVR 1400, HAT 150, DA 278 MSL.
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 7L: CAT A, B, C, D, RA 108, RVR 1200, HAT 100, DA 228 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ENA VOR/DME AIRWAY RADIALS 028 CW 048.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 7L CAT E VISIBILITY TO RVR 4000, S-LOC 7L CATS C, D AND E VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 209.95 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE JUKEP/ENA 34.18 DME, RT, 207.87 INBOUND.
CHART FAS OBST: 196 TREE (02-035282) 610956N/1500304W.
CHART 225 TRANSMISSION_LINE 610953N/1501042W.
CHART VDP AT 2.88 DME.
DISTANCE VDP TO THLD 0.97 NM.
CHART IN PLANVIEW: JUKEP/ENA 34.18 DME.
CHART AT OR BELOW 3300 AND AT OR ABOVE 1600 AT WUGSI.
CHART CIRCLING ICON.



AIRPORT ID
PANC

PROCEDURE NAME
ILS OR LOC RWY 7L
ILS RWY 7L (SA CAT I),
ILS RWY 7L (SA CAT II)

ORIGINAL/AMENDMENT
5

CITY
ANCHORAGE

STATE
AK

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/2, CAT E 800-2 3/4

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 07L	328	1800	200	328	1800	200	328	1800	200	328	1800	200	328	1800	200
S-LOC 07L	500	2400	372	500	2400	372	500	3000	372	500	3000	372	500	3000	372
CIRCLING	700	1	549	700	1	549	800	1 3/4	649	920	2 1/2	769	920	2 3/4	769

CHANGES - REASONS

1. UPDATED ADDITIONAL FLIGHT DATA NOTE CHART VDP FROM "2.76 DME" TO "2.88 DME" - NEW TECHNOLOGY CALCULATIONS.
2. UPDATED ADDITIONAL FLIGHT DATA NOTE DISTANCE VDP TO THLD FROM "0.85 NM" TO "0.97 NM" - NEW TECHNOLOGY CALCULATIONS.
3. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART AT OR BELOW 3000 AND AT OR ABOVE 1600 AT WUGSI" TO "CHART AT OR BELOW 3300 AND AT OR ABOVE 1600 AT WUGSI." - ATC REQUESTED FOR FLOW OF TRAFFIC.
4. CHANGED SA CAT I CHART NOTE FROM "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH" TO "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - IAW 8260.19 PARA 8-6-11 M NOTE.
5. CHANGED SA CAT II CHART NOTE FROM "SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH" TO "SA CAT II CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - IAW 8260.19 PARA 8-6-11 M NOTE.
6. ADDITIONAL FLIGHT DATA NOTE: UPDATED 7:1 OBSTACLE FROM "394 AAO 610945N/1501042W" TO "CHART 225 TRANSMISSION LINE 610953N/1501042W." - NEW EVALUATION.
7. UPDATED PROFILE LINE 4 FROM "AINKK/I-TGN 16.83 DME 2000, WUGSI/I-TGN 11.97 DME AT OR BELOW 3000 AND AT OR ABOVE 1600, WEBBI/I-TGN 6.37 DME 1600" TO "AINKK/I-TGN 16.82 DME 2000, WUGSI/I-TGN 11.97 DME 1600, WEBBI/I-TGN 6.37 DME 1600" - SIAP AND CRITERIA SHOWS ONLY MINIMUM ALTITUDES AT FIX.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAN, AMGR, ALASKA DOT, ANC APP CON, ANC ATCT.

FLIGHT CHECKED BY

MATTHEW R BUFORD

Digitally signed by
CASIMIR L TABAKA

Jul 13, 2023

OFFICE

FPO

DATE

07/10/2023

DEVELOPED BY

CHRISTOPHER SCHONES

Digitally signed by
CHRISTOPHER SCHONES

May 30, 2023

OFFICE

AJV-A432

DATE

03/30/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA

Jun 05, 2023

OFFICE

AJV-A432

DATE

08/10/2023

TITLE
MANAGER



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

<u>AIRPORT ID</u> PANC	<u>PROCEDURE NAME</u> ILS OR LOC RWY 7L ILS RWY 7L (SA CAT I), ILS RWY 7L (SA CAT II)	<u>AMDT NO.</u> 5	<u>CITY</u> ANCHORAGE	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 151	<u>FACILITY</u> I-TGN
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
ENA VOR/DME

TO
AINKK/I-TGN 16.82 DME

<u>RNP</u>	<u>DISTANCE</u> 38.72	<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>	
AAO	604757.00N/1504936.00W	568	164	98	4E	1000				AT432	2000	
TERRAIN	604757.00N/1504936.00W	367 (400)								AS1500	1900	

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
AINKK/I-TGN 16.82 DME

TO
WUGSI/I-TGN 11.97 DME

<u>RNP</u>	<u>DISTANCE</u> 4.86	<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>	
SHIP	611339.00N/1503224.00W	200	164	98	4E	500				AC98 AT802	1600	
TERRAIN	611007.13N/1502616.21W	0 (0)								AS1500	1500	

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM

WUGSI/I-TGN 11.97 DME

TO

WEBBI/I-TGN 6.37 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.60											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	610921.00N/1501342.00W		430	164	98	4E	500				AC98 AT572	1600
TERRAIN	610921.00N/1501342.00W		229 (200)								AS1000	1200

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

SEGMENT REMARKS:

FINAL: ILS

FROM

WEBBI/I-TGN 6.37 DME

TO

RW07L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.46		DA	200								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				328

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

SEGMENT REMARKS:



FINAL: ILS SA CAT I

FROM

WEBBI/I-TGN 6.37 DME

TO

RW07L

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.46		DA	150								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				278

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

FINAL: ILS SA CAT II

FROM

WEBBI/I-TGN 6.37 DME

TO

RW07L

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.46		DA	100								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				228

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



FINAL: LOC

FROM

WEBBI/I-TGN 6.37 DME

TO

I-TGN 1.92 DME

<u>RNP</u>	<u>DISTANCE</u> 4.46	<u>PAT</u>	<u>MAP</u> I-TGN 1.92 DME	<u>HAT</u> 372			<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>
TREE (02-035282)	610956.49N/1500303.63W		196	20	3	1A	250				MA3 XP51	500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP=51 TO RETAIN CURRENT MINIMUMS. RETAIN CURRENT MINIMUMS.

MISSED APPROACH : ILS

FROM

DA

TO

JUKEP/TED 15.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
							161					
<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				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID PANC	PROCEDURE NAME ILS OR LOC RWY 7L ILS RWY 7L (SA CAT I), ILS RWY 7L (SA CAT II)	AMDT NO. 5	CITY ANCHORAGE	STATE AK	AIRPORT ELEVATION 151	FACILITY I-TGN
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MISSED APPROACH : ILS SA CAT I

FROM
DA

TO
JUKEP/TED 15.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	610615.00N/1494706.00W	916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W	715 (700)								AS1500	2200

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 : ILS SA CAT II

FROM
DA

TO
JUKEP/TED 15.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	610615.00N/1494706.00W	916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W	715 (700)								AS1500	2200

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 : LOC

FROM
I-TGN 1.92 DME

TO
JUKEP/TED 15.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 250					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WATER_TOWER (02-195400)	610923.50N/1500224.40W		393	50	20	2C		ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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

TACAN AIRCRAFT : ILS

FROM
DA

TO
JUKEP/EDF 22.63 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
							161					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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



TACAN AIRCRAFT : ILS SA CAT I

FROM
DA

TO
JUKEP/EDF 22.63 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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

TACAN AIRCRAFT : ILS SA CAT II

FROM
DA

TO
JUKEP/EDF 22.63 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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



TACAN AIRCRAFT : LOC

FROM

I-TGN 1.92 DME

TO

JUKEP/EDF 22.63 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 250					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WATER_TOWER (02-195400)	610923.50N/1500224.40W		393	50	20	2C		ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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 ALTERNATE : ILS

FROM

DA

TO

JUKEP/ENA 34.18 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
								161				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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 ALTERNATE : ILS SA CAT I

FROM
DA

TO
JUKEP/ENA 34.18 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE : ILS SA CAT II

FROM
DA

TO
JUKEP/ENA 34.18 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH ALTERNATE : LOC

FROM

I-TGN 1.92 DME

TO

JUKEP/ENA 34.18 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 250					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WATER_TOWER (02-195400)	610923.50N/1500224.40W		393	50	20	2C		ASC				3000
AAO	610615.00N/1494706.00W		916	164	98	4E	1000				AC98	2100
TERRAIN	610615.00N/1494706.00W		715 (700)								AS1500	2200

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
WATER_TOWER (02-195400)	610923.50N/1500224.40W	1.30	549	393	50	20	2C	300			700
CATEGORY B											
TOWER (02-020476)	610833.91N/1500105.84W	1.81	549	397	20	3	1A	300			700
CATEGORY C											
TOWER (02-000020)	611131.48N/1495408.53W	2.84	649	495	20	3	1A	300			800
CATEGORY D											
TOWER (02-000076)	610956.08N/1494943.14W	3.71	769	557	50	50	2D	300		AC50	920
CATEGORY E											
TOWER (02-000076)	610956.08N/1494943.14W	4.64	769	557	50	50	2D	300		AC50	920

CIRCLING REMARKS:

MSA

CENTER

TED VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
021-181	AAO	611427.00N/1490206.00W	062	27.2	7684	164	98	4E	1000		XP216	8900
181-276	AAO	612357.00N/1504648.00W	283	27.5	709	164	98	4E	1000			1800
276-021	AAO	612821.00N/1504412.00W	292	29.0	4531	164	98	4E	1000			5600

MSA REMARKS:
XP 216 = RETAIN EXISTING MSA.

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:
100' VEGETATION USED.



"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:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VISUAL AREA PENETRATIONS FIXED BY FUNCTION PER FPT: 124 NAVAID (02-020544), 131 NAVAID (02-020574), AND 145 POLE (02-020580).
ORDER 8260.3 CHAPTER 2 APPLIED TO 225 TRANSMISSION_LINE (02-023209) 610952.87N/1501041.86W.
ORDER 8260.3, 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	THLD	TO 1000FT POINT	3.20
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.91
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	89.88
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	200
DISTANCE FROM	THLD	TO 1500FT POINT	14.31
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	89.88
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	200

THRESHOLD
COORDINATES
(IF STR-IN)

611011.15N/1500030.00W

ARP COORDINATES

611026.71N/1495953.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 15 DISTANCE 1.62 NM

FAF
COORDINATES

611010.28N/1500941.97W

FIX NAME
COORDINATES

REMARKS



