

**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 ID</u> KGX/PAGX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> GRAYLING	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 138	<u>TDZE</u> 136	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 12E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
			<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>
VUSUY		UMARE		TF	FB	1.00	113.82	31.05	5000
ZIDMU		UJPAY		TF	FB	1.00	336.52	72.84	5000
CHEFF		UJPAY		TF	FB	1.00	254.70	62.63	5000
UMARE	IAF	QOYJY	NOPT	TF	FB	1.00	129.70	6.00	4000
UJPAY	IAF	QOYJY	NOPT	TF	FB	1.00	293.82	6.00	4000
QOYJY	IF/IAF	CUPDU		TF	FB	1.00	219.82	6.48	2200
CUPDU	FAF	WIWQO/3.00 NM TO UXSOJ		TF	FB	0.30	190.56	2.10	
WIWQO/3.00 NM TO UXSOJ		UXSOJ	MAP	TF	FO	0.30	190.56	3.00	
UXSOJ	MAP	538 MSL		CA			190.56		
538 MSL		UJPAY		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: UXSOJ
LNAV: UXSOJ

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 4000 DIRECT UJPAY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|--|--------------------|----------------|-----------------------|------------------------|-------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NE QOYJY, RT, 219.82 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 10000. | | | | | |
| 3. FAC: 190.56 | FAF: CUPDU | | DIST FAF TO MAP: 5.10 | DIST FAF TO THLD: 5.59 | |
| 4. MIN ALT: QOYJY 4000, CUPDU 2200, WIWQO/3.00 NM TO UXSOJ 1420 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF: | | | OM: | MM: |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | IM: |
| 8. MSA FROM: UXSOJ 4400 | | | | | |

QUALITY
10
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: CIRCLING NA W OF RWY 17-35.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VUSUY ON V453-T275 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZIDMU ON V480 SOUTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CHEFF ON T244 AND T382 EASTBOUND.
CHART NOTE: USE SHX/PAHX ALTIMETER SETTING; WHEN NOT RECEIVED USE ANV/PANV ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART SHX/PAHX AWOS-3P
CHART ENA RADIO
HOLD SE, RT, 293.82 INBOUND.
CHART FAS OBST: 553 TREE (02-115164) 625610N/1600311W.
FAS OBST: 998 AAO 625718N/1600230W.
WAAS CHANNEL # 93540
REFERENCE PATH ID: W17A
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 19.94 DEGREES.
CHART CIRCLING ICON.
FICTITIOUS THRESHOLD POINT (CFFCC) DO NOT CHART.
CUPDU TO RW17: 3.48/40.
FTP HAE: 37.4 M

MINIMUMS:

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

ALTERNATE: NA ☒

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
LP MDA	860	1	724	860	1	724		NA			NA				
LNAV MDA	1360	1 1/4	1224	1360	1 1/2	1224		NA			NA				
CIRCLING	1360	1 1/4	1222	1360	1 1/2	1222		NA			NA				



CHANGES - REASONS

1. REMOVED FEEDER SEGMENT ZIBAL-UYIJI-UJPAY AND ALL ASSOCIATED DATA - REQUESTED BY FPT DUE TO CANCELLATION OF V 510, ZIBAL WP, AND UYIJI WP.
2. ADDED IAF UMARE AND FEEDER SEGMENT VUSUY-UMARE AT 5000 - ALLOWS PROCEDURE ENTRY FROM V453 AND T275 SOUTHBOUND TO INITIAL APPROACH FIX.
3. ADDED INITIAL SEGMENT UMARE-QOYJY AT 4000 - CONTINUES THE APPROACH TO INTERMEDIATE SEGMENT.
4. MOVED QOYJY WP 2.12 NM SOUTHEAST - TO ENSURE INITIAL SEGMENT TO INTERMEDIATE SEGMENT TURN DOES NOT EXCEED 90 DEGREES. FIX NAME RETAINED FOR OPERATIONAL ADVANTAGE.
5. IAF UJPAY MOVED 0.22 NM/1370 FT SOUTH AND CHANGED INITIAL SEGMENT COURSE/DISTANCE FROM 290.78/8.00 TO 293.82/6.00 - TO RETAIN THE 90 DEGREE TURN AT IF QOYJY.
6. ADDED FEEDER SEGMENTS CHEFF-UJPAY AND ZIDVU-UJPAY AT 5000 - PERMITS PROCEDURE ENTRY FROM T 382/T 244 AND V 480.
7. CHANGED INTERMEDIATE SEGMENT COURSE/DISTANCE FROM 200.67/6.00 TO 219.82/6.48 - DUE TO RELOCATION OF QOYJY WP.
8. REMOVED ARRIVAL HOLDING AT UJPAY - REQUESTED BY FPT; NO LONGER REQUIRED.
9. CHANGED MISSED APPROACH FROM 'CLIMBING LEFT TURN TO 7000 DIRECT ZAKEK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000' TO 'CLIMBING LEFT TURN TO 4000 DIRECT UJPAY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000' - DUE TO CANCELLATION OF V 510.
10. PROFILE LINE 2: ADDED HOLD-IN-LIEU OF PT AT QOYJY WITH ASSOCIATED DATA - REQUESTED BY FPT.
11. PROFILE LINE 3: CORRECTED DIST FAF TO THLD FROM 5.57 TO 5.59 - DISTANCE CUPDU-UXSOJ 5.10 NM + DISTANCE UXSOJ-RW17 0.49 NM = 5.59 NM.
12. REMOVED EQUIPMENT REQUIREMENTS NOTE RADAR REQUIRED FOR PROCEDURE ENTRY AND ADDED PBN REQUIREMENTS NOTE RNP APCH - GPS. - RADAR NOTE NO LONGER NECESSARY; PROCEDURE CONNECTED TO SEVERAL AIRWAYS. PBN NOTE PER 8260.19J PARA. 8-6-8D(5)(A)1.
13. REMOVED NOTE 'DME/DME RNP-0.3 NA' - REPLACED BY PBN REQUIREMENT NOTE.
14. ADDED PLANVIEW NOTES 'PROCEDURE NA FOR ARRIVALS AT VUSUY ON V453-T275 NORTHBOUND, PROCEDURE NA FOR ARRIVALS AT ZIDMU ON V480 SOUTHWEST BOUND, PROCEDURE NA FOR ARRIVALS AT CHEFF ON T244 AND T382 EASTBOUND' - TURNS FROM AIRWAYS EXCEED 90 DEGREES AND PER 8260.19J PARA. 8-2-5E(2).
15. ADDED OBSTACLE ID (02-115164) TO FAS OBST 553 TREE - PER 8260.19J PARA. 8-6-11C.
16. ADDED FAS OBST: 998 AAO 625718N/1600230W - PER 8260.19J PARA. 8-6-11C NOTE.
17. DELETED 7:1 EXCLUDED OBSTACLES - NO LONGER DOCUMENTED IN ADDITIONAL FLIGHT DATA PER 8260.19J PARA. 8-6-11E(2) MEMO.
18. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CUPDU TO RW17: 3.50/40 TO CUPDU TO RW17: 3.48/40 - VERTICAL DESCENT ANGLE CALCULATED FROM UPDATED PROCEDURE ASSESSMENT.
19. REMOVED CAT C/D MINIMUMS - REQUESTED BY FPT DUE TO EXCESSIVE VISIBILITY.
20. FAS DATA: FTP LAT/LONG CHANGED FROM 625355.0300N/1600417.4970W TO 625353.3940N/1600418.9810W - RESULT OF CHANGE IN VERTICAL DESCENT ANGLE.
21. FAS DATA: FPAP LAT/LONG CHANGED FROM 625232.9545N/1600531.9335W TO 625231.3185N/1600533.4155W -RESULT OF CHANGE IN FTP LAT/LONG AND VERTICAL DESCENT ANGLE.
22. FAS DATA: VERTICAL DESCENT ANGLE LOWERED FROM 3.50 TO 3.48 - UPDATED PROCEDURE ASSESSMENT.
23. FAS DATA: CRC REMAINDER CHANGED FROM 458271C9 TO 261103AE - RESULT OF FAS DATA CHANGES LISTED ABOVE.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZAN, WFPT, APT MGR, AK DOT DIV OF STATEWIDE AVIATION

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

RALPH DUMAR

Digitally signed by

RALPH DUMAR

Apr 04, 2025

OFFICE

AJV-A422

DATE

02/26/2025

APPROVED BY

BEV L BORDY

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PAGX
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	625353.3940N
LTP/FTP LONGITUDE	1600418.9810W
LTP/FTP ELLIPSOIDAL HEIGHT	+00374
FPAP LATITUDE	625231.3185N
FPAP LONGITUDE	1600533.4155W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.48
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	261103AE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00283
FPAP ORTHOMETRIC HEIGHT	+00283



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

AIRPORT ID
KGX/PAGX

PROCEDURE NAME
RNAV (GPS) RWY 17

AMDT NO.
1

CITY
GRAYLING

STATE
AK

AIRPORT ELEVATION
138

FACILITY
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM VUSUY **TO** UMARE

RNP
1.00

DISTANCE
31.05

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	631539.00N/1601418.00W	2530	215	8	4B	2000				AT470	5000
TERRAIN	631539.00N/1601418.00W	2329 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM ZIDMU **TO** UJPAY

RNP
1.00

DISTANCE
72.84

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	615400.00N/1591051.00W	1887	215	8	4B	2000				AT1113	5000
TERRAIN	621336.00N/1590854.00W	1761 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

FEEDER

FROM

CHEFF

TO

UJPAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	62.63										
<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	630130.00N/1571745.00W	1569	215	8	4B	2000				AT1431	5000
TERRAIN	630015.00N/1572239.00W	1204 (1200)								AS1500	2700

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

UMARE

TO

QOYJY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.00										
<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	630718.00N/1595057.00W	1254	215	8	4B	1000				AT1746	4000
TERRAIN	630718.00N/1595057.00W	1053 (1100)								AS1500	2600

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

UJPAY

TO

QOYJY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.00										
<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	630400.00N/1594957.00W	424	215	8	4B	1000				AT2576	4000
TERRAIN	630421.00N/1594830.00W	193 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

QOYJY (IF/IAF)

TO

CUPDU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.48										
<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	625918.00N/1600018.00W	1195	215	8	4B	500				AT505	2200
TERRAIN	625918.00N/1600018.00W	994 (1000)								AS1000	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

CUPDU

TO

WIWQO/3.00 NM TO UXSOJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.10										
<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	625733.00N/1600212.00W	1034	215	8	4B	250				DG78 RA58	1420

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM

WIWQO/3.00 NM TO UXSOJ

TO

UXSOJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.00		UXSOJ		724						
<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 (02-115164)	625609.57N/1600310.76W	553	20	3	1A	250				SA-53 RA58 XP32 MA20	860

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP: TO MAINTAIN CURRENT MDA/HAT



FINAL: LNAV

FROM

CUPDU

TO

WIWQO/3.00 NM TO UXSOJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.10										
<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	625733.00N/1600215.00W	1037	215	8	4B	250				RA58 DG75	1420

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

WIWQO/3.00 NM TO UXSOJ

TO

UXSOJ

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.00		UXSOJ		1224						
<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	625718.00N/1600230.00W	998	215	8	4B	250				RA58 XP54	1360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP: TO MAINTAIN CURRENT MDA/HAT



HOLD-IN-LIEU OF PT

FROM

QOYJY

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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	630815.00N/1595000.00W	1533	215	8	4B	1000				AT1467	4000
TERRAIN	630815.00N/1595000.00W	1332 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LP

FROM

UXSOJ

TO

UJPAY

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 702				
<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 (02-074450)	625318.19N/1600533.52W	808	20	10	1B		ASC				4000
TREE	625257.00N/1600609.00W	1107	215	8	4B	1000					2200
TERRAIN	625257.00N/1600609.00W	1046 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

UXSOJ

TO

UJPAY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1202
<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				4000
TREE	625257.00N/1600609.00W	1107	215	8	4B	1000					2200
TERRAIN	625257.00N/1600609.00W	1046 (1000)								AS1500	2500

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 A											
TREE (02-124754)	625441.41N/1600346.36W	1.30	1222	256				300		SI/RA58	1360
CATEGORY B											
TREE (02-126482)	625539.30N/1600357.16W	1.82	1222	577				300		SI/RA58	1360

CIRCLING REMARKS:

MSA

CENTER

UXSOJ

RADIUS

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</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>
360-360	AAO	632248.00N/1595342.00W	357	28.9	3327	215	8	4B	1000			4400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

60 FT VEGETATION APPLIED PER FPT CHECKLIST

CAT A/B ONLY DEVELOPED PER FPT REQUEST. CAT C/D EXCESSIVE MINIMUMS, MISSED APPROACH PENETRATIONS.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, ENA FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3P	SHX/PAHX	24	SHX/PAHX	18.23	Y	51
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3P	ANV/PANV	24	ANV/PANV	15.12	Y	58

WX REMARKS:

RASS PRESSURE PATTERNS SAME
PAGX 138, PAHX 79, PANV 297
RA=50.2/57.2

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW17 - MIRL (PCL)			
RW35 - MIRL (PCL)			

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.48	93.0	40.0				

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	3000FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV / LP
34:1	
577 TREE (02-126482) 625539.3000N/1600357.1600W (167.18)	588 TREE (02-126484) 625543.5700N/1600347.0800W (164.82)
568 TREE (02-093033) 625537.7900N/1600359.0700W (162.8)	583 TREE (02-074945) 625544.5300N/1600346.4900W (156.92)
545 TREE (02-103372) 625534.6500N/1600401.8900W (149.34)	564 TREE (02-124202) 625541.8600N/1600358.3800W (146.61)
571 TREE (02-074944) 625544.4000N/1600343.7800W (145.14)	565 TREE (02-081966) 625543.6200N/1600343.5400W (141.45)
562 TREE (02-074943) 625544.1000N/1600344.0200W (137.05)	558 TREE (02-115107) 625547.7200N/1600343.2000W (122.2)



<u>AIRPORT ID</u> KGX/PAGX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 1	<u>CITY</u> GRAYLING	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 138	<u>FACILITY</u> RNAV
515 TREE (02-085611) 625534.1300N/1600355.8800W (120.53)			560 TREE (02-126448) 625550.6500N/1600338.0900W (115.14)			
500 TREE (02-253269) 625531.5000N/1600403.6200W (113.85)			552 TREE (02-125341) 625550.1600N/1600339.5000W (108.69)			
485 TREE (02-075435) 625531.3300N/1600405.6000W (99.48)			524 TREE (02-126485) 625544.5500N/1600356.8700W (98.49)			
503 TREE (02-112624) 625537.9400N/1600337.6200W (96.05)			506 TREE (02-112626) 625539.1900N/1600346.3100W (95.84)			
478 TREE (02-074574) 625530.8600N/1600410.0300W (94.15)			480 TREE (02-075437) 625531.5600N/1600359.8200W (93.44)			
486 TREE (02-253267) 625534.1400N/1600409.5400W (92.33)			470 TREE (02-125062) 625529.6400N/1600409.4700W (89.76)			
470 TREE (02-074572) 625529.7200N/1600402.0200W (89.07)			477 TREE (02-124265) 625532.9300N/1600332.6500W (84.7)			
487 TREE (02-125004) 625537.3900N/1600408.6000W (83.57)			463 TREE (02-074570) 625528.8100N/1600333.7600W (83.06)			
480 TREE (02-112685) 625534.8500N/1600333.8700W (82.04)			523 TREE (02-124366) 625549.5100N/1600345.7300W (82.01)			
464 TREE (02-125063) 625529.7300N/1600332.7800W (81.25)			459 TREE (02-081949) 625529.8400N/1600408.0200W (78.07)			
453 TREE (02-126438) 625529.7600N/1600400.1500W (71.83)			462 TREE (02-253264) 625533.5500N/1600336.5400W (68.08)			
452 TREE (02-121787) 625530.7700N/1600334.9400W (66.28)			443 TREE (02-253266) 625527.8800N/1600335.5600W (65.95)			
475 TREE (02-112628) 625539.8900N/1600333.5200W (61.98)			447 TREE (02-253268) 625531.4200N/1600355.7500W (60.61)			
434 TREE (02-074653) 625526.9100N/1600335.1600W (59.82)			473 TREE (02-121463) 625542.1400N/1600408.2800W (55.38)			
239 TOWER (02-020101) 625423.5500N/1600347.3200W (54.66)			428 TREE (02-085790) 625526.8800N/1600333.3600W (53.8)			
435 TREE (02-085833) 625530.5300N/1600413.3600W (52.34)			230 TREE (02-076042) 625422.2300N/1600348.5000W (49.67)			
428 TREE (02-126436) 625529.3800N/1600415.5100W (48.9)			425 TREE (02-117742) 625528.7100N/1600354.9000W (46.65)			
227 TREE (02-126408) 625422.8000N/1600348.8700W (45)			417 TREE (02-074655) 625527.9100N/1600409.1300W (41.9)			
416 TREE (02-085789) 625527.6200N/1600409.6500W (41.8)			414 TREE (02-118041) 625527.6400N/1600403.3400W (39.35)			
223 ANTENNA (02-110633) 625423.5100N/1600347.3500W (38.78)			411 TREE (02-074654) 625527.6000N/1600356.0400W (36.03)			
404 TREE (02-085954) 625524.8900N/1600334.1200W (35.78)			415 TREE (02-125061) 625528.6400N/1600329.7300W (35.32)			
463 TREE (02-103530) 625544.9000N/1600335.0500W (35.12)			226 TREE (02-076046) 625425.9200N/1600347.5900W (34.61)			
403 TREE (02-110501) 625525.1100N/1600334.9700W (34.18)			215 TREE (02-117607) 625422.7800N/1600349.7500W (33.11)			
396 TREE (02-075267) 625523.2200N/1600334.1500W (32.77)			211 TREE (02-250454) 625422.1500N/1600349.7800W (30.99)			
484 TREE (02-124221) 625554.3800N/1600345.2400W (28.44)			218 TREE (02-082170) 625425.3100N/1600346.7600W (28.38)			
400 TREE (02-110502) 625527.4800N/1600413.7700W (26.47)			413 TREE (02-075439) 625531.4900N/1600349.2400W (26)			
221 TREE (02-121605) 625427.4000N/1600347.8600W (25.2)			411 TREE (02-126594) 625530.9000N/1600339.4600W (25.17)			
392 TREE (02-082015) 625525.4200N/1600405.3200W (24.1)			392 TREE (02-121721) 625525.8500N/1600412.4600W (23.25)			
477 TREE (02-117721) 625554.4400N/1600411.1000W (22.84)			398 TREE (02-124180) 625527.7700N/1600400.3500W (22.78)			
404 TREE (02-125502) 625529.7900N/1600330.0500W (20.91)			390 TREE (02-074648) 625525.8600N/1600404.9000W (20.76)			
202 TREE (02-076043) 625422.7300N/1600345.3200W (19.99)			252 TREE (02-124039) 625439.6600N/1600345.4500W (19.47)			
253 TREE (02-124751) 625440.0500N/1600345.2600W (19.29)			213 TREE (02-076048) 625426.7400N/1600349.3300W (19.26)			
396 TREE (02-081948) 625528.0100N/1600339.8500W (18.82)			256 TREE (02-124754) 625441.4100N/1600346.3600W (18.3)			
395 TREE (02-093116) 625529.2100N/1600417.7900W (16.55)			378 TREE (02-110535) 625523.5600N/1600415.5800W (16.28)			
254 TREE (02-086070) 625441.4800N/1600348.2200W (16.2)			407 TREE (02-124264) 625532.8100N/1600346.9900W (15.93)			

QUALITY
10
CHECKED

<u>AIRPORT ID</u> KGX/PAGX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 1	<u>CITY</u> GRAYLING	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 138	<u>FACILITY</u> RNAV
391 TREE (02-126458) 625527.1700N/1600330.2000W (15.74)			379 TREE (02-093356) 625523.9200N/1600405.9900W (15.62)			
444 TREE (02-124894) 625545.8200N/1600407.8500W (15.37)			378 TREE (02-075265) 625523.0900N/1600335.2400W (15.22)			
382 TREE (02-075272) 625525.3200N/1600415.5400W (15.02)			456 TREE (02-124367) 625550.1600N/1600356.4000W (13.72)			
386 TREE (02-112826) 625526.5500N/1600339.5800W (13.16)			212 TREE (02-074739) 625428.4200N/1600347.6200W (13.15)			
467 TREE (02-117722) 625554.6100N/1600405.7400W (12)			192 TREE (02-126407) 625422.0700N/1600345.3800W (11.96)			
374 TREE (02-124714) 625523.8800N/1600410.7800W (11.03)			371 TREE (02-124713) 625523.0300N/1600400.9200W (9.97)			
464 TREE (02-252990) 625554.6700N/1600409.8600W (9.08)			380 TREE (02-112825) 625527.0000N/1600418.2300W (8.17)			
230 TREE (02-103544) 625436.0900N/1600346.1400W (8.16)			236 TREE (02-117588) 625438.0900N/1600345.3600W (8.15)			
121 TREE (02-124253) 625359.8000N/1600353.6400W (7.93)			200 TREE (02-076047) 625426.3700N/1600349.6300W (7.39)			
366 TREE (02-085700) 625522.2800N/1600401.2900W (7.23)			240 TREE (02-253883) 625439.7700N/1600343.6300W (7.03)			
116 TREE (02-124251) 625358.4700N/1600353.6000W (6.9)			373 TREE (02-075270) 625524.8700N/1600400.5800W (6.45)			
374 TREE (02-118090) 625524.6800N/1600330.5600W (6.19)			185 TREE (02-250453) 625421.7200N/1600345.1500W (5.99)			
363 TREE (02-082048) 625521.8300N/1600405.5400W (5.83)			209 TREE (02-085754) 625430.0600N/1600344.8400W (5.08)			
118 TREE (02-115419) 625400.0700N/1600353.8800W (4.14)			124 TREE (02-082043) 625402.1000N/1600353.1300W (4.04)			
361 TREE (02-253271) 625521.2100N/1600333.9400W (3.75)			179 TREE (02-103405) 625420.5100N/1600347.1600W (3.73)			
373 TREE (02-126457) 625525.3600N/1600339.8500W (3.73)			192 TREE (02-124884) 625424.9600N/1600345.0200W (3.31)			
136 TREE (02-126444) 625406.4800N/1600355.3700W (3.1)			193 TREE (02-124885) 625425.3700N/1600344.9600W (3.09)			
243 TREE (02-074726) 625442.3400N/1600348.8500W (2.68)			207 TREE (02-074532) 625430.3500N/1600344.7800W (2.21)			
242 TREE (02-074725) 625442.1700N/1600344.4500W (1.91)			242 TREE (02-093480) 625442.2500N/1600347.8400W (1.88)			
384 TREE (02-124375) 625530.5700N/1600417.7000W (1.48)			136 TREE (02-126445) 625407.1300N/1600356.4300W (1.23)			
183 TANK (02-121655) 625422.7700N/1600347.7000W (1.01)			204 TREE (02-126416) 625429.7600N/1600344.6400W (0.96)			
129 TREE (02-074937) 625404.9100N/1600356.9800W (0.88)			127 TREE (02-125388) 625404.1600N/1600352.5100W (0.85)			
137 TREE (02-253002) 625407.8100N/1600404.3100W (0.68)			358 TREE (02-125573) 625521.9600N/1600404.4100W (0.37)			
148 TREE (02-115105) 625411.2700N/1600346.8700W (0.29)						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

QUALITY
10
CHECKED

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER SETTING.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 985 AAO 625718.00N/1600227.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1195 AAO 625918.00N/1600018.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1037 AAO 625733.00N/1600215.00W.

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	MAP	TO 1000FT POINT	4.43
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.51
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	202.56
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	MAP	TO 1500FT POINT	8.58
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	231.82
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1000

THRESHOLD COORDINATES (IF STR-IN)

625351.18N/1600357.10W

ARP COORDINATES

625331.51N/1600359.03W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 17 DISTANCE 0.33 NM

FAF COORDINATES

625902.52N/1595937.50W

FIX NAME COORDINATES

MAP UXSOJ 625420.68N/1600354.21W,
IF/IAF QOYJY 630302.66N/1594827.32W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

MAP UXSOJ: 625420.68N/1600354.21W, IF/IAF QOYJY: 630302.66N/1594827.32W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RALPH DUMAR	AJV-A422	02/26/2025	AERONAUTICAL INFORMATION SPECIALIST

