

**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.

<b><u>AIRPORT</u></b> SPOKANE INTL	<b><u>AIRPORT ID</u></b> KGEQ	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) Y RWY 3	<b><u>ORIGINAL/AMENDMENT</u></b> 2D	<b><u>CITY</u></b> SPOKANE	<b><u>STATE</u></b> WA
<b><u>AIRPORT ELEVATION</u></b> 2385	<b><u>TDZE</u></b> 2385	<b><u>SUPERSEDED</u></b> RNAV (GPS) Y RWY 3	<b><u>ORIGINAL/AMENDMENT</u></b> 2C	<b><u>DATED</u></b> 08/17/2017	<b><u>MAG VAR</u></b> 14E
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 3 JANUARY 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2020

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
HILIE		ATOXE		TF	FB	2.00	238.38	35.62	9000
ZOOMR		IPANE		TF	FB	2.00	042.51	19.38	6000
ATOXE	IAF	HUNUN	NOPT	TF	FB	1.00	301.50	12.57	4600
IPANE	IAF	HUNUN	NOPT	TF	FB	1.00	121.21	10.00	4600
HUNUN	IF/IAF	CARUT		TF	FB	1.00	031.34	6.15	3900
CARUT	FAF	ZORIL/3.30 NM TO RW03		TF	FB	0.30	031.43	1.29	
ZORIL/3.30 NM TO RW03		RW03	MAP	TF	FO	0.30	031.43	3.30	
RW03	MAP	2585 MSL		CA			031.43		
2585 MSL		LUCEV		DF	FO	1.00			8200

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW03

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 8200 DIRECT LUCEV AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8200.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW HUNUN, RT, 031.34 INBOUND, 4600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 031.43FAF: CARUTDIST FAF TO MAP: 4.58DIST FAF TO THLD: 4.58

4. MIN ALT: HUNUN 4600, CARUT 3900, ZORIL/3.30 NM TO RW03 3480\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.46GS ANT:

6. MIN GP INCPT: 3900GP ALT AT FAF : CARUT 3900OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 55.0

8. MSA FROM: RW03 7100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 53C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZOOMR ON V2-448 SOUTHWEST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HILIE ON V2 EASTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATOXE ON V253 SOUTHEAST BOUND.  
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 SM AND INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 1.77 NM TO RW03\*  
\*LNAV ONLY  
WAAS CHANNEL #81920  
REFERENCE PATH ID: W03A  
CHART FAS OBST: 2535 TREE 473625N/1173432W.  
CHART: 2606 BLDG 473418N/1173603W.  
2910 AAO 473348N/1173736W.  
HOLD NE, LT, 211.51 INBOUND  
LTP HAE: 708.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	2585	1800	200	2585	1800	200	2585	1800	200	2585	1800	200			
LNAV/VNAV DA	2962	1 1/2	577	2962	1 1/2	577	2962	1 1/2	577	2962	1 1/2	577			
LNAV MDA	3020	2400	635	3020	2400	635	3020	6000	635	3020	1 1/2	635			
CIRCLING	3020	1	635	3020	1	635	3300	2 3/4	915	3400	3	1015			

QUALITY  
10  
CHECKED

**CHANGES - REASONS**

1. INCREASED ALL TERMINAL ROUTE COURSES AND HOLDING BY 4 DEGREES - AIRPORT MAG VAR CHANGED FROM 18E/2000 TO 14E/2020.
2. SHORTENED INTERMEDIATE FROM 6.2 TO 6.15 - PFAF CARUT MOVED 343 FT FROM 473325.85N/1173746.32W TO 473323.48N/1173749.89W TO MATCH ILS PROCEDURE FIX LOCATION.
3. LENGTHENED FINAL SEGMENT (CARUT-ZORIL) FROM 1.23 TO 1.29 - PFAF CARUT MOVED 343 FT FROM 473325.85N/1173746.32W TO 473323.48N/1173749.89W TO MATCH ILS PROCEDURE FIX LOCATION.
4. RAISED CIRCLING CAT C MDA/HAA FROM 3020/635 TO 3300/915 AND CIRCLING CAT D MDA/HAA FROM 3020/635 TO 3400/1015 - APPLIED NEW CIRCLING CRITERIA.
5. RAISED CIRCLING CAT C VISIBILITY FROM 1 1/2 TO 2 3/4 AND CIRCLING CAT D VISIBILITY FROM 2 TO 3 - CIRCLING MDA INCREASED.
6. ADDED ALTERNATE MINIMUMS @ CAT C 1000-2 3/4, CAT D 1100-3 - REDUNDANT WEATHER SOURCE, CAT C CIRCLING VISIBILITY WAS INCREASED TO 2 3/4 AND CAT D VISIBILITY WAS INCREASED TO 3.
7. CHANGED "FAC: 027.43" TO "FAC: 031.43" ON 8260-3 LINE 3 - UPDATED AIRPORT MAG VAR.
8. ADDED "20:1 IS CLEAR" TO 8260-3 LINE 7 - VERIFIED NO VISUAL SFC PENETRATIONS AND IAW 8260.19H, PARA 8-6-7G(3).
9. FAS OBSTACLE CHANGED FROM "CHART FAS OBSTACLE: 2799 AAO 473336N/1173519W" TO "CHART FAS OBSTACLE: 2535 TREE 473625.13N/1173432.18W" IN ADDITIONAL FLIGHT DATA - UPDATED EVALUATION.
10. CHANGED 7:1 OBSTACLE FROM "3059 AAO 473256N/1173519W" TO "3022 AAO 473257N/1173639W" IN ADDITIONAL FLIGHT DATA - UPDATED EVALUATION.
11. CHANGED "CHART VDP AT 1.82 NM TO RW03\*" TO "CHART VDP AT 1.77 NM TO RW03\*" IN ADDITIONAL FLIGHT DATA - UPDATED EVALUATION.
12. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - APPLIED NEW CIRCLING CRITERIA.
13. UPDATED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 44C (111F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 53C" - USED 5 YEAR TEMPERATURE DATA, AFS HIGH/LOW CALCULATOR AND IAW 8260.19H, PARA 8-6-9S.
14. DELETED "CHART NOTE: DME/DME RNP-0.3" - IAW 8260.19H, PARA 4-6-10E AND MEMO 257 DATED 9/12/2017.
15. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES - IAW 8260.19H PARA 8-6-8B(1) AND MEMO 257 DATED 9/12/2017.
16. UPDATED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 69)" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH{FEET})" - IAW 8260.19H, PARA 8-6-9M.
17. ADDED "CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 SM AND INCREASE LNAV CATS C AND D VISIBILITY TO 1 3/4 SM" - VISCHECK INOPERATIVE TABLE NOTES.
18. CHANGED DISTANCE FAF TO MAP FROM 4.53 TO 4.58 ON 8260-3 LINE 3 - PFAF CARUT MOVED 343 FT FROM 473325.85N/1173746.32W TO 473323.48N/1173749.89W.
19. INCORPORATED CHANGES FROM P-NOTAM 7/7391 WHICH CHANGED LPV VISIBILITY FROM RVR 2400 TO RVR 1800 ALL CATS - IAW 8260.19H, PARA 8-3-4C(3).
20. INCORPORATED CHANGES FROM P-NOTAM 4/7030 WHICH CHANGED THRE TO TDZE - IAW 8260.19H, PARA 8-3-4C(3).

## PDF EDITED:

1. ADDED PAT 2 TO MISSED APPROACH: LPV, LNAV/VNAV AND LNAV.
2. ADDED ORDER 8260.3 CHAPTER 2 APPLIED TO 2606 BLDG 473418N/1173603W AND 2910 AAO 473348N/1173736W TO PART C: GENERAL REMARKS.



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<u>COORDINATED WITH:</u>					
A4A <input checked="" type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZSE, SPOKANE APP CON, AMGR, ATA					
<u>FLIGHT CHECKED BY</u> THOMAS E MOLOKIE		Digitally signed by DAVID TEFFETELLER Nov 15, 2018	<u>OFFICE</u> FICO	<u>DATE</u> 11/4/18	
<u>DEVELOPED BY</u> DIANE S LAIR		Digitally signed by DIANE S LAIR Jun 15, 2018	<u>OFFICE</u> AJV-5433	<u>DATE</u>	
<u>APPROVED BY</u> PATRICK MULQUEEN		Digitally signed by DAVID TEFFETELLER Nov 15, 2018	<u>OFFICE</u> AJV-5430	<u>DATE</u>	<u>TITLE</u>



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGEK
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	473636.2905N
LTP/FTP LONGITUDE	1173300.2875W
LTP/FTP ELLIPSOIDAL HEIGHT	+07086
FPAP LATITUDE	473752.3800N
FPAP LONGITUDE	1173105.7600W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 A6C66970

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07269
FPAP ORTHOMETRIC HEIGHT	+07269

