

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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</u> SPOKANE INTL	<u>AIRPORT ID</u> KGEK	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 21	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> SPOKANE	<u>STATE</u> WA	
<u>AIRPORT ELEVATION</u> 2385	<u>TDZE</u> 2346	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 21	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 14E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 APRIL 2019	<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>
ZOOMR	IAF	WEGNE		TF	FB	1.00	044.86	29.41	4500
WEGNE	IF	JIVBO		TF	FB	1.00	045.27	7.02	4000
JIVBO		OXOJO		RF	FB	1.00	(2.60 NM RADIUS CW (CFDVZ))	4.19	3500
OXOJO		WAVIX	PFAF	RF	FB	1.00	(2.60 NM RADIUS CW (CFDVZ))	3.35	3400
JOMRU	IAF	CEBUS		TF	FB	1.00	158.80	10.85	5000
CEBUS	IF	JIXEG		TF	FB	1.00	211.67	6.83	3700
JIXEG		WAVIX	PFAF	TF	FB	1.00	211.58	2.08	3400
ROPES	IAF	CUFYE		TF	FB	1.00	294.72	5.06	6700
CUFYE		CUMUR		TF	FB	1.00	294.65	2.00	5900
CUMUR	IF	INVUW		TF	FB	1.00	294.62	2.00	5600
INVUW		OPTIY		TF	FB	1.00	294.59	3.46	4500
ATOXE	IAF	CAHLA		TF	FB	1.00	004.84	12.41	4600
CAHLA	IF	ZUDSI		TF	FB	1.00	012.14	5.86	4600
ZUDSI		OPTIY		RF	FB	1.00	(2.60 NM RADIUS CCW (CFDWW))	3.52	4500
OPTIY		WAVIX	PFAF	RF	FB	1.00	(2.60 NM RADIUS CCW (CFDWW))	3.76	3400
WAVIX	PFAF	RW21	MAP	TF	FO	0.30	211.55	3.21	
RW21	MAP	IRUHO		TF	FB	1.00	211.51	10.00	
IRUHO		GANGS		TF	FO	1.00	252.07	9.77	5000



MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 5000 ON TRACK 211.51 TO IRUHO AND TRACK 252.07 TO GANGS AND HOLD.
*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 310 FEET PER NM TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2. PROFILE STARTS AT WAVIX									
3. FAC:	211.55	PFAF:	DIST PFAF TO MAP:		DIST PFAF TO THLD:				
4. MIN ALT: WAVIX 3400									
5. DIST TO THLD FROM OM:	3.21	MM:	IM:	150 HAT:	250 HAT:	0.69	GS ANT:		
6. MIN GP INCPT:	3400	GP ALT AT PFAF : WAVIX 3400			OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH:	54.9		
8. MSA FROM: RW21 7200									

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -19°C OR ABOVE 43°C.
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 ADJACENT TO ZOOMR IAF: RF REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JOMRU ON V112 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROPES ON V2 EASTBOUND.
CHART PLANVIEW NOTE ADJACENT TO ROPES IAF: RF REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATOXE ON V253 SOUTHEAST BOUND.
CHART PLANVIEW NOTE ADJACENT TO ATOXE IAF: RF REQUIRED.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR INOPERATIVE ALS INCREASE RNP 0.11 VISIBILITY ALL CATS TO 3/4, RNP 0.15 VISIBILITY ALL CATS TO 1 1/8 AND RNP 0.30 VISIBILITY ALL CATS TO 1 3/8.
CHART SPEED ICON IN PLANVIEW AT JIVBO: MAX 210 KIAS UNTIL WAVIX.
CHART SPEED ICON IN PLANVIEW AT ZUDSI: MAX 210 KIAS UNTIL WAVIX.
CHART SPEED ICON IN PLANVIEW AT OPTIY: MAX 210 KIAS UNTIL WAVIX.

ADDITIONAL FLIGHT DATA:

CHART: 2362 POLE 473834N/1173003W
HOLD SW, RT, 056.48 INBOUND



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
AUTHORIZATION REQUIRED															
RNP 0.11 DA*	2596	2400	250	2596	2400	250	2596	2400	250	2596	2400	250			
RNP 0.15 DA	2699	3000	353	2699	3000	353	2699	3000	353	2699	3000	353			
RNP 0.30 DA	2752	4500	406	2752	4500	406	2752	4500	406	2752	4500	406			

CHANGES - REASONS

1. TERMINAL ROUTES, ROPES TO CUFYE, COURSE CHANGED FROM 213.72 TO 294.72 - CORRECTION TO FORM.
2. ADDED 'FB' TO LEG TYPE AT IRUHO IN TERMINAL ROUTES MISSED APPROACH - CORRECTION TO FORM.
3. PROFILE LINE 4, MINIMUM ALTITUDE AT WAVIX 3400 ADDED - CORRECTION TO FORM.
4. PROFILE LINE 5, DISTANCE TO THLD FROM OM ADDED: 3.21 NM - CORRECTION TO FORM.
5. ADDED 'IAF' AFTER ROPES IN THE RF REQUIRED NOTE - CORRECTION TO FORM.
6. REMOVED ROUTE TYPE AND ROUTE TYPE QUALIFIERS - NOT REQUIRED TO CHART PER .19H.
7. ADDED "UNTIL WAVIX" TO SPEED RESTRICTIONS AT JIVBO, ZUDSI, AND OPTIY - IAW 8260.19H 4-6-10G.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZSE, GEG APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

Digitally signed by
ANDREA CHANEY ANDREA J CHANEY
Feb 12, 2019

APPROVED BY

PATRICK MULQUEEN

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AJV-A433
01/03/2019

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AJV-A43

DATE

DATE

TITLE
MANAGER

8260-3 PDF EDITED:

1. PROFILE LINE 3, PFAF: WAVIX REMOVED.
2. CHART SPEED ICON IN PLANVIEW AT JIVBO: MAX 210 KIAS UNTIL WAVIX.
3. CHART SPEED ICON IN PLANVIEW AT ZUDSI: MAX 210 KIAS UNTIL WAVIX.
4. CHART SPEED ICON IN PLANVIEW AT OPTIY: MAX 210 KIAS UNTIL WAVIX.

8260-9 PDF EDITED:

1. MISSED APPROACH: LEVEL SURFACE OBSTACLE, 1000 FT ROC.

