

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</u> SPOKANE INTL	<u>AIRPORT ID</u> KGEK	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 21	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> SPOKANE	<u>STATE</u> WA
<u>AIRPORT ELEVATION</u> 2385	<u>TDZE</u> 2346	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 21	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 14E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 JANUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
HILIE		EPENE		TF	FB	2.00	281.26	20.46	9000
ZOOMR		WATRU		TF	FB	2.00	031.08	38.10	6000
WATRU		CEMOM		TF	FB	2.00	073.92	10.00	6000
CEMOM	IAF	CEBUS		TF	FB	1.00	136.12	7.27	5000
EPENE	IAF	CEBUS		TF	FB	1.00	301.79	9.21	5000
CEBUS	IF	SIGYO		TF	FB	1.00	211.67	7.34	3900
SIGYO	FAF	RW21	MAP	TF	FO	0.30	211.57	4.78	
RW21	MAP	2546 MSL		CA			211.57		
2546 MSL		IRUHO		DF	FB	1.00			
IRUHO		GANGS		TF	FO	1.00	252.07	9.77	5000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT IRUHO AND ON TRACK 252.07 TO GANGS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT CEBUS

3. FAC: 211.57

FAF: SIGYO

DIST FAF TO MAP: 4.78

DIST FAF TO THLD: 4.78

4. MIN ALT: CEBUS 5000, SIGYO 3900

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.53

GS ANT:

6. MIN GP INCPT: 3900

GP ALT AT FAF : SIGYO 3900

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.0

8. MSA FROM: RW21 7200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 53°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CEMOM ON V112 NORTHBOUND AND AT HILIE ON V2 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZOOMR ON V2-448 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.27 NM TO RW21*
*LNAV ONLY
WAAS CHANNEL #82619
REFERENCE PATH ID: W21A
CHART FAS OBST: 2500 BLDG 473735N/1173012W.
HOLD SW, RT, 056.48 INBOUND
LTP HAE: 689.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-2 3/4, CAT D 1100-3

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	2546	1800	200	2546	1800	200	2546	1800	200	2546	1800	200			
LNAV/VNAV DA	2720	4500	374	2720	4500	374	2720	4500	374	2720	4500	374			
LNAV MDA	2800	2400	454	2800	2400	454	2800	4500	454	2800	4500	454			
CIRCLING	2960	1	575	2980	1	595	3300	2 3/4	915	3400	3	1015			



CHANGES - REASONS

1. INCREASED ALL TERMINAL ROUTE COURSES, MA TRACK AND HOLDING BY 4 DEGREES - AIRPORT MAG VAR CHANGED FROM 18E/2000 TO 14E/2020.
2. RAISED CIRCLING CAT B MDA/HAA FROM 2960/575 TO 2980/595, CAT C MDA/HAA FROM 2960/575 TO 3300/915, CAT D MDA/HAA FROM 2980/595 TO 3400/1015 - APPLIED NEW CIRCLING CRITERIA, RWY 8 WILL BE FLIGHT CHECKED.
3. 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.
4. ADDED ALTERNATE MINIMUMS @ CAT C 1000-2 3/4, CAT D 1100-3 - CAT C CIRCLING VISIBILITY WAS INCREASED TO 2 3/4 AND CAT D CIRCLING VISIBILITY WAS INCREASED TO 3.
5. MISSED APPROACH INSTRUCTION CHANGED FROM "CLIMB TO 5000 ON TRACK 207.57 TO IRUHO AND ON TRACK 248.07 TO GANGS AND HOLD" TO "CLIMB TO 5000 DIRECT IRUHO AND ON TRACK 252.07 TO GANGS AND HOLD" - UPDATED MAG VAR.
6. CHANGED "FAC: 207.57" TO "FAC: 211.57" ON 8260-3 LINE 3 - UPDATED AIRPORT MAG VAR.
7. ADDED "20:1 IS CLEAR" TO 8260-3 LINE 7 - VERIFIED NO VISUAL SFC PENETRATIONS AND IAW 8260.19H, PARA 8-6-7G(3).
8. FAS OBSTACLE CHANGED FROM "CHART FAS OBSTACLE: 2500 RAIL BLDG 473735N/1173012W" TO "CHART FAS OBSTACLE: 2500 BLDG 473735N/1173012W" IN ADDITIONAL FLIGHT DATA - UPDATED EVALUATION.
9. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - RWY 8 WILL BE FLIGHT CHECKED USING NEW CIRCLING CRITERIA.
10. UPDATED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 29C (84F)" 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 .
11. DELETED "CHART NOTE: DME/DME RNP-0.3" - IAW 8260.19H, PARA 4-6-10E AND MEMO 257 DATED 9/12/2017.
12. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES - IAW 8260.19H, PARA 8-6-8B(1) AND MEMO 257 DATED 9/12/2017.
13. UPDATED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 73)" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19H, PARA 8-6-9M.
14. CRC REMAINDER CHANGED FROM 1AA1FB79 TO C9DEB1A0 -P-NOTAM 4/7081 APPLIED CHANGING THRE TO TDZE.
15. RAISED LNAV CAT C/D VISIBILITY FROM RVR 2400 TO RVR 4500 - PER 8260.3 VISIBILITY TABLES.
16. CHANGED DISTANCE TO THLD FROM "200 HATH: 0.45 NM" TO "200 HAT: 0.53 NM" - PER VISCHECK TOOL.
17. CHANGED VDP FROM 1.33 NM TO 1.27 NM - PER 8260.3C FORMULA 2-6-5.
18. INCORPORATED CHANGES FROM P-NOTAM 4/7081 WHICH CHANGED FROM THRE TO TDZE - IAW 8260.19H, PARA 8-3-4C(3).
19. INCORPORATED CHANGES FROM P-NOTAM 7/7390 WHICH CHANGED LPV VISIBILITY FROM RVR 2400 TO RVR 1800 ALL CATS - IAW 8260.19H, PARA 8-3-4C(3).

PDF EDITED:

1. ADDED PAT 1 TO MISSED APPROACH: LPV, LNAV/VNAV AND LNAV.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, GEG ATC, AMGR, ATA

FLIGHT CHECKED BY

OFFICE

DATE

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS
GROUP (AJW-333) MEMO, DEC 22, 2017.

DEVELOPED BY

Digitally signed by

Digitally signed by
DONALD H LANIER
Nov 16, 2018

OFFICE

DATE

DIANE S LAIR

Jun 19, 2018

AJV-5433
05/25/2018

APPROVED BY

Digitally signed by

OFFICE

DATE

TITLE

PATRICK MULQUEEN

DONALD H LANIER
Nov 16, 2018

AJV-5430

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGEG
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	473752.3810N
LTP/FTP LONGITUDE	1173105.7570W
LTP/FTP ELLIPSOIDAL HEIGHT	+06895
FPAP LATITUDE	473636.2905N
FPAP LONGITUDE	1173300.2875W
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	C9DEB1A0
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07079
FPAP ORTHOMETRIC HEIGHT	+07079

