

**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> MARYLAND	<b><u>AIRPORT ID</u></b> K2W5	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 2	<b><u>ORIGINAL/AMENDMENT</u></b> 1B	<b><u>CITY</u></b> INDIAN HEAD	<b><u>STATE</u></b> MD
<b><u>AIRPORT ELEVATION</u></b> 175	<b><u>TDZE</u></b> 163	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 2	<b><u>ORIGINAL/AMENDMENT</u></b> 1A	<b><u>DATED</u></b> 08/17/2017	<b><u>MAG VAR</u></b> 9W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 13 SEPTEMBER 2018	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 1985

**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>
SABBI	IAF	JAAAK	NOPT	TF	FB	1.00	023.98	4.54	2000
JAAAK	IF/IAF	GILBT		TF	FB	1.00	033.63	3.50	1800
GILBT	FAF	BYULA/1.60 NM TO RW02		TF	FB	0.30	013.64	3.44	
BYULA/1.60 NM TO RW02		RW02	MAP	TF	FO	0.30	013.64	1.60	
RW02	MAP	575 MSL		CA			013.64		
575 MSL		JAAAK		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LP: RW02  
 LNAV: RW02

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 2000 DIRECT JAAAK AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW JAAAK, LT, 033.63 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 013.64      FAF: GILBT      DIST FAF TO MAP: 5.04      DIST FAF TO THLD: 5.04

4. MIN ALT: JAAAK 2000, GILBT 1800, BYULA/1.60 NM TO RW02 700

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      HAT:      MM:      IM:

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

7. GP ANGLE:      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH:

8. MSA FROM: RW02 2200

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.  
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: USE RONALD REAGAN WASHINGTON NATIONAL ALTIMETER SETTING.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SABBI ON V376 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART R-6611A  
GILBT TO RWY02: 3.00/40  
CHART RONALD REAGAN WASHINGTON NATIONAL ASOS.  
WAAS CHANNEL #78036  
REFERENCE PATH ID: W02A  
CHART FAS OBST: 279 TREE 383515N/0770431W  
CHART FAS OBST: 289 TREE 383522N/0770445W  
LTP HAE: 15 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	600	1	437	600	1	437		NA			NA				
LNAV MDA	620	1	457	620	1	457		NA			NA				
CIRCLING	700	1	525	700	1	525		NA			NA				



AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
MARYLAND	K2W5	RNAV (GPS) RWY 2	1B	INDIAN HEAD	MD

**CHANGES - REASONS**

- 1. CHANGED FIX NAMES: IF/IAF/MA FROM AWFUL TO JAAAK, FAF FROM CALPU TO GILBT, AND STEPDOWN BOLME TO BYULA. - PER FPT REQUEST.
- 2. ADDED LINE 7: 20:1 IS CLEAR. - NO PENETRATIONS FOUND IN NEW EVALUATION.
- 3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. ADDED PBN REQUIREMENT NOTE: RNP APCH. - IAW 8260.19H.
- 4. ADDED CHART NOTE: USE RONALD REAGAN WASHINGTON NATIONAL ALTIMETER SETTING. - IAW 8260.19H 8-6-9F(6).
- 5. ADDED VDA - PROCEDURE IS STRAIGHT-IN NON-VERTICALLY GUIDED TO MATCH VGSI.
- 6. DELETED PROFILE NOTE: "VISUAL SEGMENT-OBSTACLES." - SURVEY DATED 9/18/13 CERTIFYING 20:1 SURFACE AREA CLEAR.
- 7. ADDED: "CHART RONALD REAGAN WASHINGTON NATIONAL ASOS" IN ADDITIONAL FLIGHT DATA.
- 8. CRC REMAINDER CHANGED FROM EE50D16F TO DE9039FB - ADDED TCH 40 AND GLIDEPATH ANGLE 3.00.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDC, ARPT MGR, PCT APP CON

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by

BEV L BORDY

Aug 06, 2018

OFFICE

FICO

DATE

8/5/18

DEVELOPED BY

LONNIE EVERHART (BARBARA GORMAN)

Digitally signed by

BEV L BORDY

Aug 06, 2018

OFFICE

AJV-5400

DATE

04/03/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by

BEV L BORDY

Aug 06, 2018

OFFICE

AJV-5400

DATE

TITLE

MANAGER



**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	2W5
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	383530.9500N
LTP/FTP LONGITUDE	0770422.7600W
LTP/FTP ELLIPSOIDAL HEIGHT	+00015
FPAP LATITUDE	383659.8460N
FPAP LONGITUDE	0770413.5440W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1608
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 CRC REMAINDER	 DE9039FB

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00476
FPAP ORTHOMETRIC HEIGHT	+00476