

**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> KOKV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WINCHESTER	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 726	<u>TDZE</u> 726	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 10W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SOGBE	IAF	ZENDI		TF	FB	1.00	024.59	4.27	4200
ZENDI		BONCI		TF	FB	1.00	063.57	5.50	4000
MUMSY	IAF	ACELO		TF	FB	1.00	260.36	6.90	4200
ACELO		BONCI		TF	FB	1.00	223.67	5.50	4000
CAPON	IAF	BONCI		TF	FB	1.00	106.99	3.63	4000
BONCI	IF	EMNAR		TF	FB	1.00	143.63	4.30	3500
EMNAR		BIPME		TF	FB	1.00	143.68	2.60	2700
BIPME	FAF	WOGDI/3.67 NM TO RW14		TF	FB	0.30	143.70	2.39	
WOGDI/3.67 NM TO RW14		WUSBI/2.10 NM TO RW14		TF	FB	0.30	143.70	1.57	
WUSBI/2.10 NM TO RW14		RW14	MAP	TF	FO	0.30	143.70	2.10	
RW14	MAP	976 MSL		CA			143.70		
976 MSL		CLADD		DF	FO	1.00			3700



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 DIRECT CLADD AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3700.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)	
2. PROFILE STARTS AT BONCI						
3. FAC:	143.70	FAF: BIPME	DIST FAF TO MAP: 6.06	DIST FAF TO THLD: 6.06		
4. MIN ALT:	BONCI 4000, EMNAR 3500, BIPME 2700, WOGDI/3.67 NM TO RW14 1940, WUSBI/2.10 NM TO RW14 1440					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.64	GS ANT:	
6. MIN GP INCPT:	2700	GP ALT AT PFAF :	BIPME 2700	OM:	MM:	IM:
7. GP ANGLE:	3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 44.5		
8. MSA FROM:	RW14 4700					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOGBE ON V4 WESTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MUMSY ON V44 EASTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CAPON ON V166 WESTBOUND.
 CHART SPEED ICON IN PLANVIEW AT SOGBE: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT CAPON: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 323.88 INBOUND.
 FAS OBST: 949 TREE 390959N/0781136W.
 CHART 1009 TREE 391007N/0781148W.
 1170 AAO 391057N/0781255W.
 CHART VDP AT 1.53 NM TO RW14.
 WAAS CHANNEL # 70712
 REFERENCE PATH ID: W14A
 CHART CIRCLING ICON.
 LTP HAE: 187.6 M



MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	976	3/4	250	976	3/4	250	976	3/4	250	976	3/4	250				
LNAV/VNAV DA	1040	7/8	314	1040	7/8	314	1040	7/8	314	1040	7/8	314				
LNAV MDA	1200	1	474	1200	1	474	1200	1 3/8	474	1200	1 3/8	474				
CIRCLING	1200	1	474	1220	1	494	1380	1 3/4	654	1500	2 1/2	774				

CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED ZENDI TO BONCI ALTITUDE FROM "3700" TO "4000" - ATC REQUEST.
2. TERMINAL ROUTES: UPDATED ACELO TO BONCI ALTITUDE FROM "3700" TO "4000" - ATC REQUEST.
3. TERMINAL ROUTES: UPDATED CAPON TO BONCI ALTITUDE FROM "3700" TO "4000" - ATC REQUEST.
4. TERMINAL ROUTES: UPDATED ENMAR TO BIPME COURSE FROM "143.69" TO "143.68" - FIX MOVED TO ALIGN WITH CENTERLINE.
5. TERMINAL ROUTES: UPDATED FROM BIPME TO WOGDI/3.90 NM TO RW14 TO BIPME TO WOGDI/3.67 NM TO RW14 AND DISTANCE FROM "2.16" TO "2.39" - FIX MOVED TO ALIGN WITH CENTERLINE.
6. TERMINAL ROUTES: UPDATED FROM WOGDI/3.90 NM TO RW14 TO WUSBI/2.00 TO RW14 TO WOGDI/3.67 NM TO RW14 TO WUSBI/2.10 TO RW14 AND DISTANCE FROM "1.90" TO "1.57" - FIXES MOVED TO ALIGN WITH CENTERLINE.
7. TERMINAL ROUTES: UPDATED FROM WUSBI/2.00 TO RW14 TO RW14 TO WUSBI/2.10 TO RW14 TO RW14 AND DISTANCE FROM "2.00" TO "2.10" - FIX MOVED TO ALIGN WITH CENTERLINE.
8. TERMINAL ROUTES: ADDED COURSE "143.70" TO CA LEG - IAW 8290.19I 8-6-4.
9. PBN REQUIREMENT NOTES: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8.
10. PROFILE LINE 4: UPDATED MIN ALT FROM "BONCI 3700, EMNAR 3500, BIPME 2700, WOGDI/3.90 NM TO RW14 2000*, WUSBI/2.00 NM TO RW14 1400*" TO "BONCI 4000, EMNAR 3500, BIPME 2700, WOGDI/3.67 NM TO RW14 1940, WUSBI/2.10 NM TO RW14 1440" - * NO LONGER REQUIRED IAW 8260.19I 8-6-7, NEW CONTROLLING OBSTACLES.
11. NOTES: REMOVED CHART NOTE FROM: "BARO-VNAV AND VDP NA WHEN USING MARTINSBURG ALTIMETER SETTING" - UPDATED AND MOVED TO PART C: GENERAL REMARKS.
12. NOTES: REMOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING: INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS AND LNAV/VNAV CATS A/B VISIBILITY 1/8 SM; INCREASE LNAV CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 SM" - UPDATED AND MOVED TO PART C: GENERAL REMARKS.
13. NOTES: ADDED "CHART SPEED ICON IN PLANVIEW AT SOGBE: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT CAPON: MAX 210 KIAS" - PER FPT TO MEET LEG LENGTH REQUIREMENTS WITHOUT MOVING FIXES.
14. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "CHART VDP AT 1.16 NM TO RW14*" TO "CHART VDP AT 1.53 NM TO RW14" - UPDATED MINS, * NO LONGER REQUIRED IAW 8260.19I 8-6-7.
15. ADDITIONAL FLIGHT DATA: REMOVED "LNAV ONLY" - NO LONGER REQUIRED.
16. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART FAS OBST: 879 TREE 391020N/0781049W" TO "FAS OBST: 949 TREE 390959N/0781136W." - UPDATED SURVEY, NEW CONTROLLING OBSTACLES.
17. ADDITIONAL FLIGHT DATA: ADDED "CHART 1009 TREE 391007N/0781148W" AND "1170 TREE 391057N/0781255W" - NEW OBSTACLE SURVEY, 7:1S DOCUMENTED IAW 8260.19I 8-6-10.
18. MINIMUMS: UPDATED LNAV/VNAV ALL CATS DA/HAT FROM "1060/334" TO "1040/314," CATS A/B VISIBILITY FROM "1" TO "7/8" AND CATS C/D VISIBILITY FROM "1 1/8" TO "7/8"- NEW CONTROLLING OBSTACLE, 8260.3E TABLE 3-3-1.
19. MINIMUMS: UPDATED LNAV ALL CATS DA/HAT FROM "1140/414" TO "1200/474" AND CATS C AND D VISIBILITY FROM "1 1/8" TO "1 3/8" - NEW CONTROLLING OBSTACLES, 8260.3E TABLE 3-3-1.
20. MINIMUMS: UPDATED CIRCLING CAT A CMDA/HAA FROM "1180/454" TO "1200/474 D CMDA/HAA FROM "1480/754" TO "1500/774"- NEW LNAV MINS, NEW CONTROLLING OBSTACLE.
21. CRC REMAINDER CHANGED FROM 3908E1D1 TO 88CCB720 - FPAF LAT/LONG CHANGED FROM "390753.8035N/0780742.4900W" TO "390753.7925N/0780742.5035W."



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, PCT TRACON, ARPT MGR

FLIGHT CHECKED BY

BOB S PRESSLER

OFFICE

FPO

DATE

06/01/2023

Digitally signed by

ERIC N SUSKI

Jun 05, 2023

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

OFFICE

AJV-A431

DATE

02/27/2023

Digitally signed by

ERIC N SUSKI

May 11, 2023

APPROVED BY

ERIC N SUSKI

OFFICE

AJV-A431

DATE

Digitally signed by

ERIC N SUSKI

May 11, 2023

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKV
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	390855.4870N
LTP/FTP LONGITUDE	0780905.1980W
LTP/FTP ELLIPSOIDAL HEIGHT	+01876
FPAP LATITUDE	390753.7925N
FPAP LONGITUDE	0780742.5035W
THRESHOLD CROSSING HEIGHT (TCH)	00044.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	88CCB720

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02213
FPAP ORTHOMETRIC HEIGHT	+02213

