

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA CLIMB TO 5000 ON TRACK 010.65 TO WASMA AND LEFT TURN DIRECT HARPP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 134.00 INBOUND. CHART R-6608A/B/C. DISTANCE TO THLD FROM 531 HATH: 1.50 NM. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 2: A, S #TCH: 340.1 MSL (DO NOT CHART)	
DRUZZ	CSN VORTAC (TF) (FB) (RNP 1.00)	153.46 / 38.88	5000		
SHNON	CSN VORTAC (TF) (FB) (RNP 1.00)	162.86 / 19.65	5000		
CSN VORTAC (IAF)	ERACE (TF) (FB) (RNP 1.00)	087.20 / 19.38	4000		
BRV VORTAC (IAF)	ERACE (TF) (FB) (RNP 1.00)	357.07 / 23.12	4000		
ERACE (IF) (SEE FORM 8260-10)	SKINS (TF) (FB) (RNP 1.00)	010.65 / 7.55	2300		
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT ERACE 3. FAC: <u>010.65</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: ERACE 4000 5. DIST TO THLD FROM OM: <u>6.05</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: SKINS 2300 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>53.8#</u> 34:1 IS CLEAR 8. MSA FROM: RW01C 3400				MAG VAR: 10W EPOCH YEAR: 2000	
MINIMUMS					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD	
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
AUTHORIZATION REQUIRED					
RNP 0.3 DA	817	1 1/2	531	817	1 1/2
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 48C (119F). CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE RNP 0.30 VISIBILITY TO 1 3/4. CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. (SEE FORM 8260-10)					
CITY AND STATE		ELEVATION: 312 THRE: 286		PROCEDURE NO/AMDT NO./EFFECTIVE DATE:	
WASHINGTON, DC		AIRPORT NAME: WASHINGTON DULLES INTL		RNAV (RNP) Z RWY 1C, ORIG-F 26 JULY 2012	
		FACILITY IDENTIFIER: RNAV		SUP:	
				AMDT: ORIG-E	
				DATED 03/08/2012	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SKINS (FAF)	RW01C (MAP) (TF) (FO)	010.65 / 6.05	
RW01C (MAP)	WASMA (TF) (FO) (RNP 1.00)	010.65 / 1.89	
WASMA	HARPP (DF) (FO) (RNP 1.00)		5000

NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 1R, ILS RWY 1R (CAT II), ILS RWY 1R (CAT III).

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE AT DRUZZ, SHNON, CSN VORTAC, BRV VORTAC: (RNP 0.50).

CITY AND STATE
WASHINGTON, DC

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FACILITY
IDENTIFIER:
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RNAV (RNP) Z RWY 1C, ORIG-F
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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KIADK6FH01CZ	ABRV	010BRV	K6D 0V	A	IF				18000		A	FS
SUSAP	KIADK6FH01CZ	ABRV	020ERACEK6EA0EE	B	010TF		35710231	+	04000			A	FS
SUSAP	KIADK6FH01CZ	ADRUZZ	010DRUZZK6EA0E		IF					18000		A	FS
SUSAP	KIADK6FH01CZ	ADRUZZ	020CSN	K6D 0V	A	010TF	15350389	+	05000			A	FS
SUSAP	KIADK6FH01CZ	ADRUZZ	030ERACEK6EA0EE	B	010TF		08720194	+	04000			A	FS
SUSAP	KIADK6FH01CZ	ASHNON	010SHNONK6EA0E		IF					18000		A	FS
SUSAP	KIADK6FH01CZ	ASHNON	020CSN	K6D 0V	A	010TF	16290197	+	05000			A	FS
SUSAP	KIADK6FH01CZ	ASHNON	030ERACEK6EA0EE	B	010TF		08720194	+	04000			A	FS
SUSAP	KIADK6FH01CZ	H	010ERACEK6EA0E	I	IF			+	04000	18000		A	FS
SUSAP	KIADK6FH01CZ	H	020SKINSK6EA1E	F	010TF		01070076	+	02300		RW01C	K6PGA	FS
SUSAP	KIADK6FH01CZ	H	020SKINSK6EA2W						A031				FS
SUSAP	KIADK6FH01CZ	H	030RW01CK6PG0GY	M	031TF		01070061		00340	-300		A	FS
SUSAP	KIADK6FH01CZ	H	040WASMAK6EA0EYM		010TF		01070019					A	FS
SUSAP	KIADK6FH01CZ	H	050HARPPK6EA0EY		010DF			+	05000			A	FS
SUSAP	KIADK6FH01CZ	H	060HARPPK6EA0EE	L	HM		13400060	+	05000			A	FS

[illegible]

CITY AND STATE WASHINGTON, DC	ELEVATION: 312 THRE: 286 AIRPORT NAME: WASHINGTON DULLES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 1C, ORIG-F 26 JULY 2012	SUP:
				AMDT: ORIG-E
				DATED: 03/08/2012

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[illegible]

SUP:	
AMDT:	ORIG-E
DATED:	03/08/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
BRV		BRV	010	IAF	IF		FB					
BRV		ERACE	020		TF		FB	1.0	357.1 (347.1T)	023.1	AA 04000	
DRUZZ		DRUZZ	010		IF		FB					
DRUZZ		CSN	020	IAF	TF		FB	1.0	153.5 (143.5T)	038.9	AA 05000	
DRUZZ		ERACE	030		TF		FB	1.0	087.2 (077.2T)	019.4	AA 04000	
SHNON		SHNON	010		IF		FB					
SHNON		CSN	020	IAF	TF		FB	1.0	162.9 (152.9T)	019.7	AA 05000	
SHNON		ERACE	030		TF		FB	1.0	087.2 (077.2T)	019.4	AA 04000	
		ERACE	010	FACF	IF		FB				AA 04000	
		SKINS	020	FAF	TF		FB	1.0	010.7 (000.7T)	007.6	AA 02300	
		RW01C	030	MAP	TF		FO	0.3	010.7 (000.7T)	006.1	AT 00340	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	WASMA	040		TF		FO	1.0	010.7 (000.7T)	001.9		
	HARPP	050		DF		FO	1.0			AA 05000	
	HARPP	060		HM	L	FO		134.0 (124.0T)	006.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRV	N382010.62	W0772110.45	N3820.177	W07721.174
	CSN	N383828.29	W0775155.79	N3838.472	W07751.930
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479
	ERACE	N384243.85	W0772747.04	N3842.731	W07727.784
	HARPP	N391034.42	W0775543.21	N3910.574	W07755.720
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	SKINS	N385017.16	W0772740.48	N3850.286	W07727.675
	WASMA	N385814.40	W0772733.56	N3858.240	W07727.559
	RW01C	N385620.64	W0772735.21	N3856.344	W07727.587

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01C	00286	54

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