

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>SKILS (RNAV)</b>	<b>FOUR</b>	<b>SKILS.SKILS4</b>	<b>THREE</b>	<b>09/05/2016</b>	<i>29 MAR 2018</i>

**TRANSITION ROUTES:**

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
LANCASTER	LRP.SKILS4	LRP VOR/DME	LRP VOR/DME						
			ROAST	224.85	11.79	9000			
			VINNY	224.76	14.55	8000			
PHILIPSBURG	PSB.SKILS4	PSB VORTAC	PSB VORTAC						
			SHILO	195.04	4.28	8000			
			SHILO	150.00	97.28	8000			

**ARRIVAL ROUTE DESCRIPTION:**

FROM OVER SHILO ON TRACK 195.03/10.79 TO SKILS (MEA 8000), THEN ON TRACK 195.02/20.00 TO BAL VORTAC (MEA 6000), THEN ON TRACK 233.76/16.24 TO EYESS (MEA 4000), THEN ON RUNWAY TRANSITION.

LANDING RWY 19: FROM OVER EYESS ON TRACK 283.55/6.11 TO EDDWD, THEN ON TRACK 327.69/4.88 TO MEGGS, THEN ON TRACK 326.88/8.20 TO NAYES. DEPART NAYES HEADING 326.88 FOR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 1: FROM OVER EYESS ON TRACK 230.39/3.18 TO BRUNC, THEN ON TRACK 192.36/9.70 TO FELTY, THEN ON TRACK 186.65/5.64 TO HITEK, THEN ON TRACK 186.93/15.78 TO CAVDI. DEPART CAVDI HEADING 186.93 FOR VECTORS TO FINAL APPROACH COURSE.



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**PROCEDURAL DATA NOTES:**

NOTE: EXPECT TO CROSS SKILS AT 12000.

NOTE: EXPECT TO CROSS BAL AT 10000.

NOTE: CROSS BAL AT 250 KIAS.

NOTE: TURBOJETS ONLY.

NOTE: RADAR REQUIRED.

NOTE: PROHIBITED AREA (P-56) 1.5 NM NORTH OF DCA - AVOID SURFACE TO FL180.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT: SKILS, HOLD N, RT, 195.02 INBOUND, 4 NM LEGS, 210 KIAS.

**COMMUNICATIONS:**

POTOMAC APP CON; KDCA ATIS.

**AIRPORTS SERVED:**

AIRPORT NAME	CITY	STATE
RONALD REAGAN WASHINGTON NATIONAL	WASHINGTON	DC



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**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

ABBREVIATED AMENDMENT, DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAG VAR: KDCA 11W/2020

CHART PROHIBITED AREAS P56A AND P56B



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**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION NOT REQUIRED, MANAGER ROBERT STUCKERT

**ORGANIZATION:**

AJW-331

**DATE:**

Flight Inspected Signature:

*Digitally signed by  
**ADOLFO D URRUTIA**  
Jan 26, 2018*

**DEVELOPED BY:** *Digitally signed by*

SEAN BARBEE **SEAN BARBEE**  
Nov 14, 2017

AJV-5431

Developed By Signature:

**APPROVED BY:**

PATRICK MULQUEEN

AJV-5430

Approved By Signature:

*Digitally signed by  
**ADOLFO D URRUTIA**  
Jan 26, 2018*

**CHANGES:**

1. INCREASED ALL MAGNETIC COURSES 2 DEGREES.
2. CHANGED REFERENCE MAGVAR DATA FOR KDCA FROM 9W/1985 TO 11W/2020 IN ADDITIONAL FLIGHT DATA BLOCK.
3. CHANGED RECOMMENDED NAVAID FROM DCA VOR/DME TO BAL VORTAC.

**REASONS:**

- 1, 2. KDCA MAGVAR UPDATED FROM 9W/1985 TO 11W/2020.
3. RECOMMENDED NAVAID CHANGED TO MATCH KDCA MAGVAR OF 11W.



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)**

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SKILS (RNAV)	FOUR	SKILS.SKILS4	THREE	09/15/2016	29 MAR 2018

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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**ENROUTE TRANSITION**

LRP VOR/DME	400711.91N / 0761728.66W	Y		IF					LRP.SKILS4
ROAST	395723.71N / 0762601.01W	Y	FB	TF	213.85	11.79			
VINNY	394516.64N/0763630.16W	Y	FB	TF	213.76	14.55			
SHILO	394100.20N / 0763653.61W	Y	FB	TF	184.04	04.28			

**ENROUTE TRANSITION**

PSB VORTAC	405458.53N / 0775933.78W	Y		IF					PSB.SKILS4
SHILO	394100.20N / 0763653.61W	Y	FB	TF	139.00	97.28			

**COMMON ROUTE**

SHILO	394100.20N / 0763653.61W	Y		IF					
SKILS	393014.00N / 0763752.32W	Y	FB	TF	184.03	10.79			
BAL VORTAC	391015.83N / 0763940.52W	Y	FB	TF	184.02	20.00		AT 250K	
EYESS	385818.75N / 0765348.84W	Y	FB	TF	222.76	16.24			

**RUNWAY TRANSITION**

EYESS	385818.75N / 0765348.84W	Y		IF					
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BRUNC	385550.89N / 0765624.24W	Y	FB	TF	219.39	03.18			
FELTY	384646.15N / 0765640.79W	Y	FB	TF	181.36	09.70			
HITEK	384119.00N / 0765609.00W	Y	FB	TF	175.65	05.64			
CAVDI	382533.43N / 0765443.49W	Y	FO	TF	175.93	15.78			
KDCA: RWY 01				VM	175.93				RECOMMENDED NAVAID: BAL VORTAC

**RUNWAY TRANSITION**

EYESS	385818.75N / 0765348.84W	Y		IF					
EDDWD	385834.80N / 0770138.25W	Y	FB	TF	272.55	06.11			
MEGGS	390207.88N / 0770555.86W	Y	FB	TF	316.69	04.88			
NAYES	390801.02N / 0771315.81W	Y	FO	TF	315.88	08.20			
KDCA: RWY 19				VM	315.88				RECOMMENDED NAVAID: BAL VORTAC

