

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 <b>TRUPS (RNAV)</b>	Number <b>FIVE</b>	STAR Computer Code <b>TRUPS.TRUPS5</b>	Superseded Number <b>FOUR</b>	Dated <b>03/29/2018</b>	Effective Date <b>16 MAY 2024</b>
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TRANSITION ROUTES: **This is a corrected copy of the procedure published in NFDD 042. See page 4.**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CHARLESTON	HVQ.TRUPS5	HVQ VOR/DME	HVQ VOR/DME						
			FIMPA	103.19	47.40	16000	6900		
			DILNN	103.69	48.99	16000	6900		
			SEALZ	077.35	22.68	14000	6600		
			RANJR	088.31	12.16	14000	6600		BETWEEN FL240 AND FL280
			JARHD	088.47	09.00	13000	6300		BETWEEN FL220 AND FL260
			PJAAE	089.59	09.45	13000	6300		BETWEEN FL210 AND FL230
			USAAY	089.48	12.45	12000	6300		BETWEEN 17000 AND FL210
			WEEDU	088.47	07.26	12000	6300		BETWEEN 16000 AND FL190
			SUPRT	078.53	07.78	10000	5100		BETWEEN 14000 AND 17000
			OOURR	078.67	13.45	5000	3600		AT/BELOW 13000
			TRUPS	059.40	07.97	5000	3600		AT 11000
SITTR	SITTR.TRUPS5	SITTR	SITTR						
			POMYK	076.88	14.79	16000	6800		
			DEBZZ	076.76	30.34	16000	6800		
			DILNN	076.73	27.15	16000	6700		
			SEALZ	077.35	22.68	14000	6600		
			RANJR	088.31	12.16	14000	6600		BETWEEN FL240 AND FL280
			JARHD	088.47	09.00	13000	6300		BETWEEN FL220 AND FL260
			PJAAE	089.59	09.45	13000	6300		BETWEEN FL210 AND FL230
			USAAY	089.48	12.45	12000	6300		BETWEEN 17000 AND FL210
			WEEDU	088.47	07.26	12000	6300		BETWEEN 16000 AND FL190
			SUPRT	078.53	07.78	10000	5100		BETWEEN 14000 AND 17000
			OOURR	078.67	13.45	5000	3600		AT/BELOW 13000
			TRUPS	059.40	07.97	5000	3600		AT 11000



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**ARRIVAL ROUTE DESCRIPTION:**

LANDING KADW RWY 1L/R: FROM TRUPS ON TRACK 076.00/12.91 TO CROSS LETZZ AT 8000, THEN ON TRACK 130.06/7.78 TO CROSS RLLLL AT 6000 AND AT 250 KIAS, THEN ON TRACK 130.89/10.39 TO VCTRY, THEN ON TRACK 188.50/8.10 TO HEROO, THEN ON TRACK 188.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KADW RWY 19L/R: FROM TRUPS ON TRACK 060.58/11.28 TO CROSS FRDMM AT 8000 AND AT 240 KIAS, THEN ON TRACK 077.78/9.38 TO STAND. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KDCA RWY 1, 4, 33: FROM TRUPS ON TRACK 076.00/12.91 TO CROSS LETZZ AT 8000, THEN ON TRACK 130.06/7.78 TO CROSS RLLLL AT 6000 AND AT 250 KIAS, THEN ON TRACK 130.89/10.39 TO VCTRY, THEN ON TRACK 188.50/8.10 TO HEROO, THEN ON TRACK 188.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KDCA RWY 15, 19, 22: FROM TRUPS ON TRACK 060.58/11.28 TO CROSS FRDMM AT 8000 AND AT 240 KIAS, THEN ON TRACK 077.78/9.38 TO STAND, THEN ON TRACK 077.67/4.73 TO TGTHR, THEN ON TRACK 147.60/4.04 TO FERGI, THEN ON TRACK 147.60. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KDAA: FROM TRUPS ON TRACK 076.00/12.91 TO CROSS LETZZ AT 8000, THEN ON TRACK 130.06/7.78 TO CROSS RLLLL AT 6000 AND AT 250 KIAS, THEN ON TRACK 130.89/10.39 TO VCTRY, THEN ON TRACK 188.50/8.10 TO HEROO, THEN ON TRACK 188.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

NOTE: TURBOPROPS AS ASSIGNED BY ATC ONLY.

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

NOTE: LANDING SOUTH AT DCA USE RUNWAY 19 TRANSITION, LANDING NORTH USE RUNWAY 1 TRANSITION. LANDING SOUTH AT ADW USE RUNWAY 19R TRANSITION, LANDING NORTH USE RUNWAY 1L TRANSITION. EXPECT RUNWAY ASSIGNMENT FROM TRACON 10 MILES PRIOR TO TRUPS.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT OOURR: HOLD W, RT, 078.67 INBOUND, 6 NM LEGS, 210 KIAS.

CHART HOLDING AT SEALZ: HOLD W, RT, 077.35 INBOUND, 10 NM LEGS.

CHART HOLDING AT WEEDU: HOLD W, LT, 088.47 INBOUND, 10 NM LEGS.

**COMMUNICATIONS:**

CHART: POTOMAC APP CON

**AIRPORTS SERVED:**

AIRPORT ID	CITY	STATE
KADW	CAMP SPRINGS	MD
KDAA	FORT BELVOIR	VA
KDCA	WASHINGTON	DC

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.



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**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)  
 MAG VAR: KDCA 11W/2020  
 CHART: P-56B, P-56A  
 CHART AT HEROO TERMINUS: KDCA LDG RWY 1,4,33.  
 CHART AT FERGI TERMINUS: KDCA LDG RWY 15,19,22  
 CHART AT HEROO TERMINUS: KADW LDG RWY 1 L/R.  
 CHART AT STAND TERMINUS: KADW LDG RWY 19 L/R.  
 CHART AT HEROO TERMINUS: LDG KDA.

**FLIGHT INSPECTED BY:**

STEPHEN BAUER

**ORGANIZATION: DATE:**

FPO 01/19/2024

Flight Inspected Signature:

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 25, 2024

**DEVELOPED BY:**

David Johnson (FAA); Adam Searcy (NATCA)

ESC PBN Co-Leads 10/10/2023

Developed By Signature:

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 25, 2024

**APPROVED BY:**

Bev Bordy

AJV-A430

Approved By Signature:

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 25, 2024

**CHANGES:**

1. REMOVED: LDA/ DME RWY 19, RNAV (RNP) 19, RIVER VISUAL RWY 19 FROM THE KDCA: RW15, RW19, RW 22 ARRIVAL ROUTE DESCRIPTION.
2. DELETED: BKW VOR/DME AND REPLACED WITH SITTR AND RENAMED ASSOCIATED TRANSITION.
3. CHANGED: KDA A ROUTING FROM RWY TRANSITION TO COMMON ROUTE.
4. REMOVED: ALL MEA/MOCA VALUES FROM COMMON ROUTE AND RWY TRANSITIONS.
5. CHANGED: TURBOJETS NOTE TO REFLECT JETS.
6. REFORMATTED THE DESCEND VIA NOTE FROM USING THE NUMERICAL VALUE TO THE WRITTEN NUMBER NAME.
7. LOWERED MEAS ON THE SEGMENT SITTR TO DILNN FROM FL200 TO 16000, DILNN TO SEALZ FROM FL180 TO 14000, SEALZ TO RANJR FROM 15000 TO 14000, JARHD TO PJAAE FROM 15000 TO 13000, PJAAE TO USAAY FROM 15000 TO 12000, AND FROM USAAY TO WEEDU FROM 14000 TO 12000.
8. LOWERED MEAS ON THE SEGMENT FROM HVQ TO DILNN FROM FL200 TO 16000.
9. CHANGED STAND FROM FLYOVER TO FLYBY FIX; REMOVED FM LEG FROM KADW RWY 19 L/R ARRIVAL ROUTE.
10. REMOVED RECOMMENDED NAVAID FROM 17.2 FORM.
11. REFORMATTED PROHIBITED NOTED FROM REFERECNING DCA TO KDCA.
12. REMOVED: 250 HOLDING ICONS AT SEALZ AND WEEDU.

**REASONS:**

1. DCA ROUNDTABLE REQUEST TO REDUCE NOISE.
2. VOR MON- BKW SCHEDULED FOR DECOMMISSION.
3. IAW 8260.3E, PARA 2-2-3.



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- 4. NO LONGER REQUIRED ON COMMON ROUTES AND/OR RWY TRANSITIONS.
- 5. IAW CURRENT DOCUMENTATION STANDARDS.
- 6. CORRECTED FORMAT TO CLARIFY STAR NUMBER VERSUS CODING DUE TO PROCEDURE UP NUMBERING.
- 7-8. PROVIDES ADDITIONAL DME COVERAGE.
- 9. FIX USED ON MULTIPLE TRANSITIONS (CANNOT BE A FO ON KADW 19L/R).
- 10. NO LONGER DOCUMENTED
- 11. TO DISTINGUISH ARPT VS NAVAID IDENT.
- 12. ATC REQUEST.

01/23/2024 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/10/2023

- 1. REMOVED NOTE MAINTAIN LAST ASSIGNED ALTITUDE UNTIL CLEARED TO "DESCEND VIA" THE TRUPS FIVE. ARTCC WILL ISSUE LANDING DIRECTION ASSIGNMENT (NORTH OR SOUTH) AND POTOMAC TRACON WILL ISSUE RUNWAY ASSIGNMENTS.
- 2. ADDED NOTE LANDING SOUTH AT DCA USE RUNWAY 19 TRANSITION, LANDING NORTH USE RUNWAY 1 TRANSITION. LANDING SOUTH AT ADW USE RUNWAY 19R TRANSITION, LANDING NORTH USE RUNWAY 1L TRANSITION. EXPECT RUNWAY ASSIGNMENT FROM TRACON 10 MILES PRIOR TO TRUPS.

03/12/2024 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 1/25/2024

- 1. CORRECTED ARRIVAL ROUTE DESCRIPTION FOR LANDING KADW RWY 19L/R FROM 059.58 TO 060.58 AND FROM 076.78 TO 077.78.

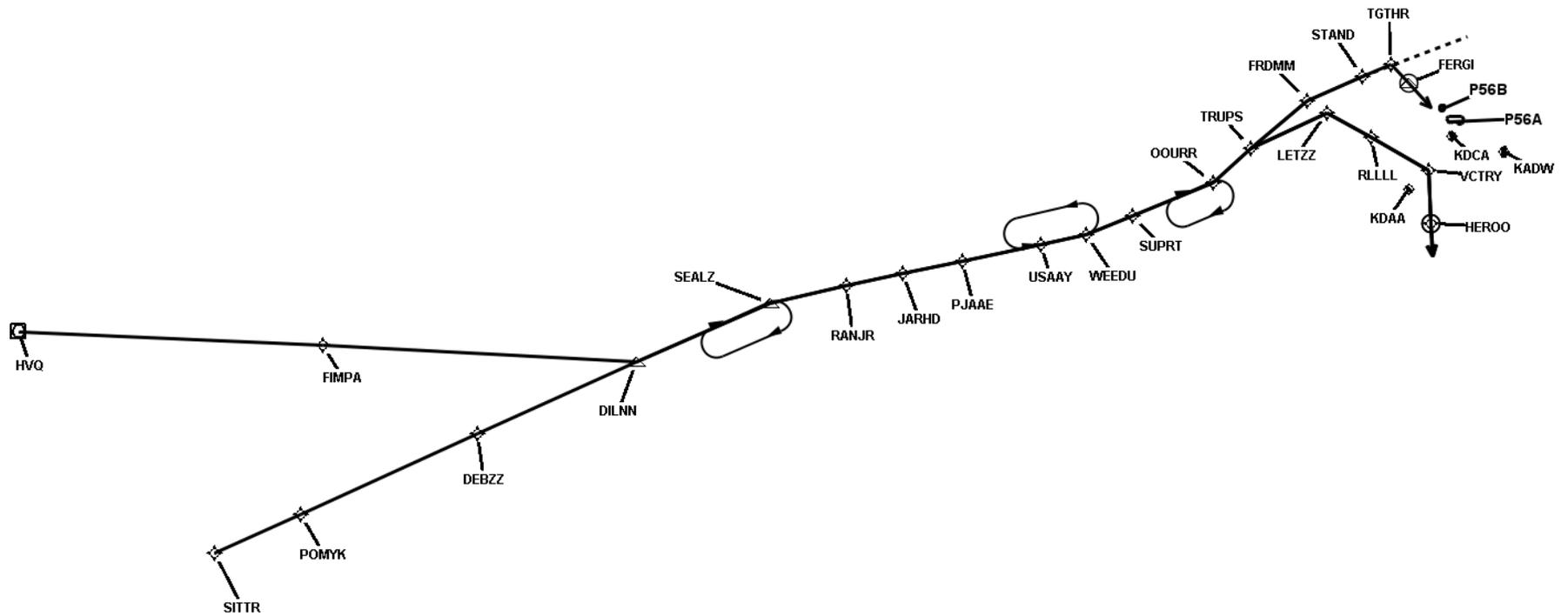


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TRUPS (RNAV)	FIVE	TRUPS.TRUPS5	FOUR	03/29/2018	16 MAY 2024

Graphic Depiction 1

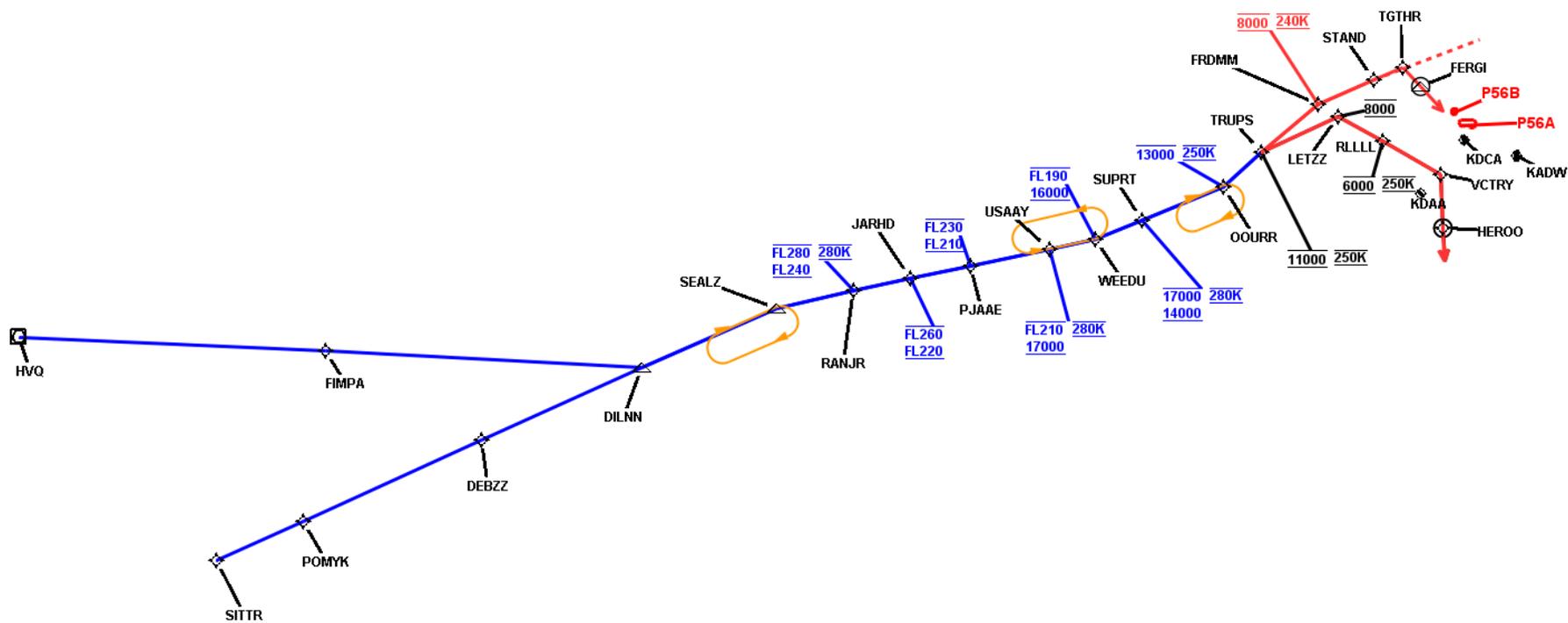


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Graphic Depiction 2

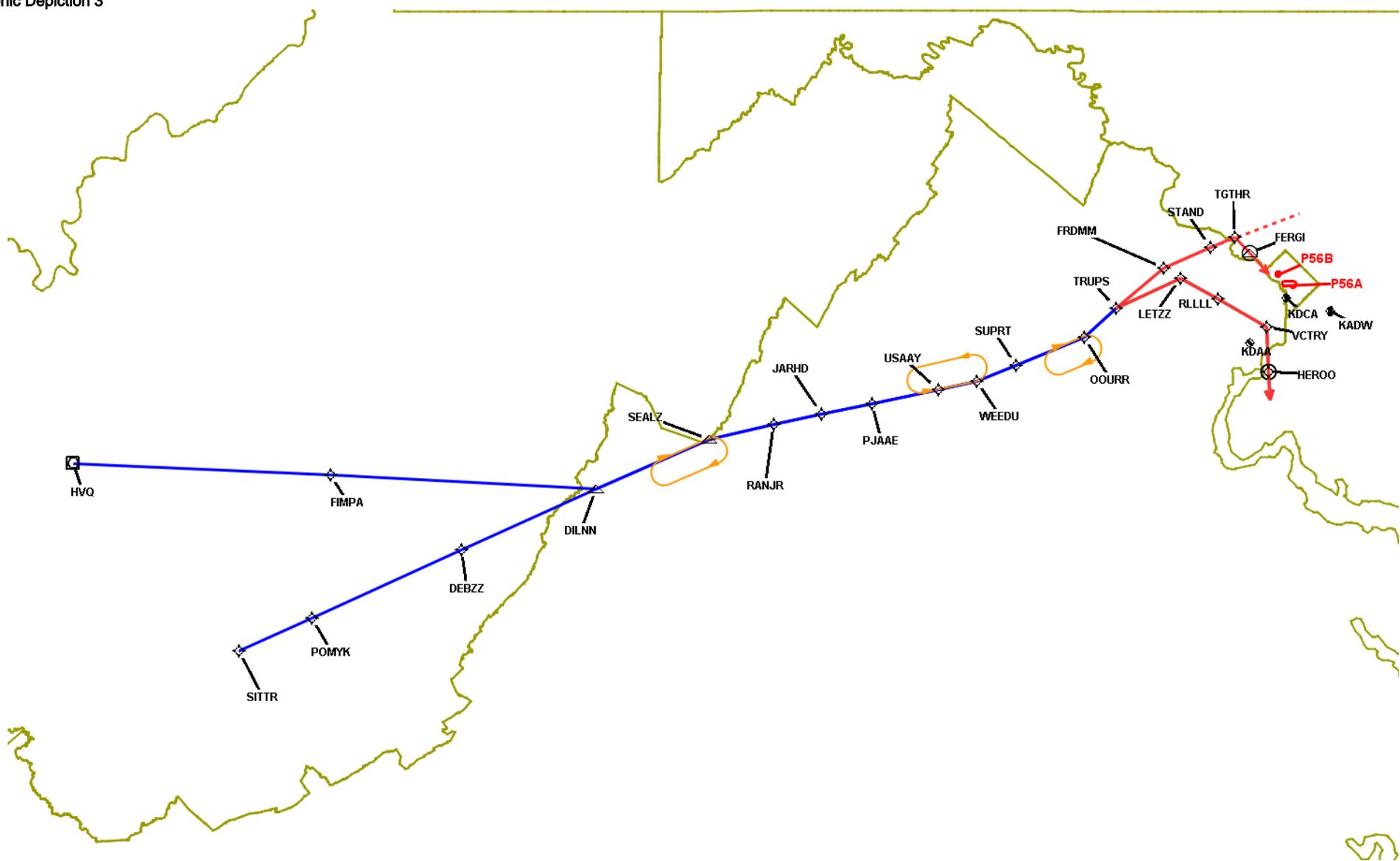


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Graphic Depiction 3



FEDERAL AVIATION ADMINISTRATION  
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 STAR (DATA RECORD)

Arrival Name TRUPS (RNAV)	Number FIVE	STAR Computer Code TRUPS.TRUPS5		Superseded Number FOUR	Dated 03/29/2018	Effective Date 16 MAY 2024			
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
HVQ VOR/DME	382058.83N / 0814611.69W	Y		IF					HVQ.TRUPS5
FIMPA	381854.82N / 0804600.78W	Y	FB	TF	092.19	47.40			
DILNN	381620.05N / 0794352.31W	Y	FB	TF	092.69	48.99			
SEALZ	382523.56N / 0791726.16W	Y	FB	TF	066.35	22.68			
RANJR	382802.97N / 0790220.08W	Y	FB	TF	077.31	12.16	FL240BFL280	AT 280K	
JARHD	382959.72N / 0785108.60W	Y	FB	TF	077.47	09.00	FL220BFL260		
PJAAE	383151.36N / 0783920.34W	Y	FB	TF	078.59	09.45	FL210BFL230		
USAAY	383419.71N / 0782346.83W	Y	FB	TF	078.48	12.45	17000BFL210	AT 280K	
WEEDU	383553.97N / 0781444.36W	Y	FB	TF	077.47	07.26	16000BFL190		
SUPRT	383852.19N / 0780533.69W	Y	FB	TF	067.53	07.78	14000B17000	AT 280K	
OOURR	384358.09N / 0774939.50W	Y	FB	TF	067.67	13.45	AT/BELOW 13000	AT 250K	
TRUPS	384915.64N / 0774201.96W	Y	FB	TF	048.40	07.97	AT 11000	AT 250K	
En Route Transition									
SITTR	374649.13N / 0810723.70W	Y		IF					SITTR.TRUPS5
POMYK	375250.94N / 0805020.64W	Y	FB	TF	065.88	14.79			
DEBZZ	380513.91N / 0801518.05W	Y	FB	TF	065.76	30.34			
DILNN	381620.05N / 0794352.31W	Y	FB	TF	065.73	27.15			
SEALZ	382523.56N / 0791726.16W	Y	FB	TF	066.35	22.68			
RANJR	382802.97N / 0790220.08W	Y	FB	TF	077.31	12.16	FL240BFL280	AT 280K	
JARHD	382959.72N / 0785108.60W	Y	FB	TF	077.47	09.00	FL220BFL260		
PJAAE	383151.36N / 0783920.34W	Y	FB	TF	078.59	09.45	FL210BFL230		
USAAY	383419.71N / 0782346.83W	Y	FB	TF	078.48	12.45	17000BFL210	AT 280K	
WEEDU	383553.97N / 0781444.36W	Y	FB	TF	077.47	07.26	16000BFL190		
SUPRT	383852.19N / 0780533.69W	Y	FB	TF	067.53	07.78	14000B17000	AT 280K	
OOURR	384358.09N / 0774939.50W	Y	FB	TF	067.67	13.45	AT/BELOW 13000	AT 250K	
TRUPS	384915.64N / 0774201.96W	Y	FB	TF	048.40	07.97	AT 11000	AT 250K	



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Common Route									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	
LETZZ	385442.36N / 0772702.40W	Y	FB	TF	065.00	12.91	AT 8000		
RLLLL	385055.11N / 0771820.23W	Y	FB	TF	119.06	07.78	AT 6000	AT 250K	
VCTRY	384543.63N / 0770649.28W	Y	FB	TF	119.89	10.39			
HEROO	383737.42N / 0770622.27W	Y	FO	TF	177.50	08.10			
KDAA				FM	177.50				
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	
FRDMM	385634.54N / 0773101.39W	Y	FB	TF	049.58	11.28	AT 8000	AT 240K	
STAND	390016.17N / 0771957.84W	Y	FB	TF	066.78	09.38			
KADW:RWY 19L/R									
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	
LETZZ	385442.36N / 0772702.40W	Y	FB	TF	065.00	12.91	AT 8000		
RLLLL	385055.11N / 0771820.23W	Y	FB	TF	119.06	07.78	AT 6000	AT 250K	
VCTRY	384543.63N / 0770649.28W	Y	FB	TF	119.89	10.39			
HEROO	383737.42N / 0770622.27W	Y	FO	TF	177.50	08.10			
KADW:RWY 1B									
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	
LETZZ	385442.36N / 0772702.40W	Y	FB	TF	065.00	12.91	AT 8000		
RLLLL	385055.11N / 0771820.23W	Y	FB	TF	119.06	07.78	AT 6000	AT 250K	
VCTRY	384543.63N / 0770649.28W	Y	FB	TF	119.89	10.39			
HEROO	383737.42N / 0770622.27W	Y	FO	TF	177.50	08.10			
KDCA:RWY 1, 4, 33									



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Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	
FRDMM	385634.54N / 0773101.39W	Y	FB	TF	049.58	11.28	AT 8000	AT 240K	
STAND	390016.17N / 0771957.84W	Y	FB	TF	066.78	09.38			
TGTHR	390208.41N / 0771423.69W	Y	FB	TF	066.67	04.73			
FERGI	385912.16N / 0771050.18W	Y	FO	TF	136.60	04.04			
KDCA:RWY 15,19,22				FM	136.60				

