

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**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.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>TRUPS (RNAV)</b>	<b>THREE</b>	<b>TRUPS.TRUPS3</b>	<b>TWO</b>	<b>27 JUNE 2013</b>	<b>30 APR 2015</b>

**TRANSITION ROUTES:**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BECKLEY	BKW.TRUPS3	BKW VORTAC	BKW VORTAC						
			POMYK	074.89	14.80	FL200			
			DEBZZ	074.76	30.34	FL200			
			DILNN	074.73	27.15	FL200			
			SEALZ	075.35	22.68	FL180			
			RANJR	086.31	12.16	15000	6600		BETWEEN FL240 AND FL280 AT 280 KT
			JARHD	086.47	09.00	15000	5200		BETWEEN FL220 AND FL260
			PJAAE	087.59	09.45	15000	5500		BETWEEN FL210 AND FL230
			USAAY	087.48	12.45	15000	6300		BETWEEN 17000 AND FL210 AT 280 KT
			WEEDU	086.47	07.26	14000	6300		BETWEEN 16000 AND FL190
			SUPRT	076.53	07.78	10000	5100		BETWEEN 14000 AND 17000 AT 280 KT
			OOURR	076.67	13.45	5000	3600		AT/BELOW 13000 AT 250 KT
			TRUPS	057.40	07.97	5000	3600		AT 11000 AT 250 KT
CHARLESTON	HVQ.TRUPS3	HVQ VORTAC	HVQ VORTAC						
			FIMPA	101.19	47.40	FL200			
			DILNN	101.69	48.99	FL200			
			SEALZ	075.35	22.68	FL180			
			RANJR	086.31	12.16	15000	6600		BETWEEN FL240 AND FL280 AT 280 KT
			JARHD	086.47	09.00	15000	5200		BETWEEN FL220 AND FL260
			PJAAE	087.59	09.45	15000	5500		BETWEEN FL210 AND FL230
			USAAY	087.48	12.45	15000	6300		BETWEEN 17000 AND FL210 AT 280 KT
			WEEDU	086.47	07.26	14000	6300		BETWEEN 16000 AND FL190
			SUPRT	076.53	07.78	10000	5100		BETWEEN 14000 AND 17000 AT 280 KT
			OOURR	076.67	13.45	5000	3600		AT/BELOW 13000 AT 250 KT
			TRUPS	057.40	07.97	5000	3600		AT 11000 AT 250 KT

QUALITY  
2  
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<b>TRUPS (RNAV)</b>	<b>THREE</b>	<b>TRUPS.TRUPS3</b>	<b>TWO</b>	<b>27 JUNE 2013</b>	<b>30 APR 2015</b>

**ARRIVAL ROUTE DESCRIPTION:**

LANDING KDCA: LANDING RWY 1, RWY 4, RWY 33: FROM OVER TRUPS ON TRACK 074.00/12.91 TO CROSS LETZZ AT 8000 (MEA 5000/MOCA 3600), THEN ON TRACK 128.06/7.78 TO CROSS RLALL AT 6000 AND AT 250 KIAS (MEA 4000/MOCA 2600), THEN ON TRACK 128.89/10.39 TO VCTRY (MEA 3000), THEN ON TRACK 186.50/8.10 TO HEROO (MEA 2000), THEN ON TRACK 186.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KDCA: RWY 19, RWY 22, RWY 15: FROM OVER TRUPS ON TRACK 058.58/11.28 TO CROSS FRDMM AT 8000 AND AT 240 KIAS (MEA 4000), THEN ON TRACK 075.78/9.38 TO STAND (MEA 4000/MOCA 2600), THEN ON TRACK 075.67/4.73 TO TGTHR (MEA 3000/MOCA 1800), THEN ON TRACK 145.60/4.04 TO FERGI (MEA 2100/MOCA 1700). EXPECT LDA/DME RWY19, RNAV/RNP RWY 19, RIVER VISUAL RWY 19 OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING DAA: FROM OVER TRUPS ON TRACK 074.00/12.91 TO CROSS LETZZ AT 8000 (MEA 5000/MOCA 3600), THEN ON TRACK 128.06/7.78 TO CROSS RLALL AT 6000 AND AT 250 KIAS (MEA 4000/MOCA 2600), THEN ON TRACK 128.89/10.39 TO VCTRY (MEA 3000), THEN ON TRACK 186.50/8.10 TO HEROO (MEA 2000), THEN ON TRACK 186.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING ADW RWY 19R, RWY 19L: FROM OVER TRUPS ON TRACK 058.58/11.28 TO CROSS FRDMM AT 8000 AND AT 240 KIAS (MEA 4000), THEN ON TRACK 075.78/9.38 TO STAND (MEA 4000/MOCA 2600), THEN ON TRACK 075.78. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING ADW RWY 1L, RWY 1R: FROM OVER TRUPS ON TRACK 074.00/12.91 TO CROSS LETZZ AT 8000 (MEA 5000/MOCA 3600), THEN ON TRACK 128.06/7.78 TO CROSS RLALL AT 6000 AND AT 250 KIAS (MEA 4000/MOCA 3200), THEN ON TRACK 128.89/10.39 TO VCTRY (MEA 3000), THEN ON TRACK 186.50/8.10 TO HEROO (MEA 2000), THEN ON TRACK 186.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: NOTE: TURBOJETS ONLY; TURBOPROPS AS ASSIGNED BY ATC ONLY.

NOTE: PROHIBITED AREA (P-56) NORTH OF DCA – AVOID – SURFACE TO 18000.

NOTE: Maintain last assigned altitude until cleared to "DESCEND VIA" the TRUPS3. ARTCC will issue landing direction assignment (North or South) and Potomac TRACON will issue runway assignments.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING PATTERNS: OOURR (HOLD W, RT, 076.67 INBOUND, 6 NM LEGS, 210 KIAS), WEEDU (HOLD W, LT, 86.47 INBOUND, 10 NM LEGS, 250 KIAS), SEALZ (HOLD W, RT, 75.35 INBOUND, 10 NM LEGS, 250 KIAS).

**COMMUNICATIONS:**

POTOMAC APP CON 118.67/323.175, RONALD REGAN WASHINGTON NATIONAL ATIS ARR 132.65. JOINT BASE ANDREWS ATIS 113.1/251.05. DAVISON AAF ATIS 128.175/230.0.

**AIRPORTS SERVED:**

JOINT BASE ANDREWS , CAMP SPRINGS, MD

DAVISON AAF , FT BELVIER, VA

RONALD REAGAN WASHINGTON NATIONAL, WASHINGTON, DC

**LOST COMMUNICATIONS PROCEDURE:****REMARKS:**

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>TRUPS (RNAV)</b>	<b>THREE</b>	<b>TRUPS.TRUPS3</b>	<b>TWO</b>	<b>27 JUNE 2013</b>	<b>30 APR 2015</b>

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KDCA 09W/1985.

CHART: PROHIBITED AREAS P56A &amp; P56B.

**CHANGES:**

- 1). FERGI WAYPOINT MOVED LESS THAN A MILE FOR OPERATIONAL PURPOSES.
- 2). PROCEDURE TO BE PUBLISHED CONCURRENT WITH KDCA RNAV/RNP RWY 19.
- 3). NOTES AMENDED.
- 4). MEA FROM RLLLL TO VCTRY CHANGED FROM 3000 TO 2100.
- 5). MOCAS ADDED.

**REASONS:**

- 1-4). ATC REQUEST.
- 5). IAW JO 7100.9E

12/04/2014: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/31/2014.

1. MEA CHANGE FROM RLLLL TO VCTRY AND "MOCAS ADDED" NOTE ADDED TO CHANGES.

12/31/2014: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/31/2014.

1. PER FLIGHT CHECK, RAISED MEA FROM 2100 TO 3000 BETWEEN RLLL AND VCTRY.



## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STAR (DATA RECORD)**

Arrival Name <b>TRUPS (RNAV)</b>	Number <b>THREE</b>	STAR Computer Code <b>TRUPS.TRUPS3</b>	Superseded Number <b>TWO</b>	Dated <b>27 JUNE 2013</b>	Effective Date <b>30 APR 2015</b>
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
<b>En Route Transition</b>									
BKW VORTAC	374649.08N / 0810724.44W	Y		IF					BKW.TRUPS3
POMYK	375250.94N / 0805020.64W	Y	FB	TF	065.89	14.80			
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	

<b>En Route Transition</b>									
HVQ VORTAC	382058.84N / 0814611.68W	Y		IF					HVQ.TRUPS3
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	

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## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STAR (DATA RECORD)**

Arrival Name TRUPS (RNAV)		Number THREE		STAR Computer Code TRUPS.TRUPS3		Superseded Number TWO		Dated 27 JUNE 2013	Effective Date 30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	TRUPS.TRUPS3
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				RECOMMENDED NAVAID: BRV VORTAC
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	TRUPS.TRUPS3
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 01L, 01R				FM	177.50				RECOMMENDED NAVAID: BRV VORTAC
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	TRUPS.TRUPS3
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 01,RWY 04,RWY 33				FM	177.50				RECOMMENDED NAVAID: BRV VORTAC
Runway Transition									
TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	TRUPS.TRUPS3
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			

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
FERGI	385912.16N / 0771050.18W	Y	FB	TF	136.60	04.04			

KDCA:RWY 15,RWY  
19,RWY 22

**Runway Transition**

TRUPS	384915.64N / 0774201.96W	Y		IF			AT 11000	AT 250K	TRUPS.TRUPS3
FRDMM	385634.54N / 0773101.39W	Y	FB	TF	049.58	11.28	AT 8000	AT 240K	
STAND	390016.17N / 0771957.84W	Y	FO	TF	066.78	09.38			
KADW:RWY 19L, 19R				FM	066.78				RECOMMENDED NAVAID: DCA VOR/DME

