

**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.  
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<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
DELRO	FIVE	DELRO.DELRO5	FOUR	09/15/2016	28 FEB 2019

**TRANSITION ROUTES:**

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
LANCASTER	LRP.DELRO5	LRP VOR/DME	LRP VOR/DME						
			JOANE	248.07 (LRP R-248)	8.85	10000	3000		
			DELRO	248.07 (LRP R-248)	9.12	10000	3900		
MODENA	MXE.DRLRO5	MXE VORTAC	MXE VORTAC						
			DELRO	283.00 (MXE R-283)	44.14	10000	3900		

**ARRIVAL ROUTE DESCRIPTION:**

FROM DELRO ON LRP R-248.07/16.03 TO LIRCH (MEA 7000/MOCA 3600), THEN ON LRP R-248.07/4.81 TO BINNS (MEA 7000/MOCA 3600), THEN ON LRP R-248.07/11.61 TO HYPER (MEA 7000/MOCA 3200), THEN ON FDK R-031.10/17.71 TO FDK VOR (MEA 6000/MOCA 3000), THEN ON HEADING 190.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

NOTE: TURBOJETS EXPECT TO CROSS LIRCH AT 14000.

NOTE: TURBOJETS EXPECT TO CROSS HYPER AT 10000.

NOTE: NON-TURBOJET EXPECT TO CROSS HYPER AT 8000.

NOTE: FOR AIRCRAFT CAPABLE OF 180 KIAS OR GREATER

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT BINNS: E, RT, 248.07 INBOUND, 265 KIAS.

CHART HOLDING AT HYPER: NE, LT, 245.08 INBOUND, 210 KIAS.

**COMMUNICATIONS:**

POTOMAC APP CON 133.0/288.35.

DULLES ATIS 134.85.

DULLES TOWER: 120.1/317.8 (RWY 1R/19L), 120.25/348.6 (RWY 1C/19C), 134.425/348.6 (RWY 1L/19R, 12/30).

**AIRPORTS SERVED:**

AIRPORT NAME

CITY

STATE

WASHINGTON DULLES INTL (KIAD)

WASHINGTON

DC



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**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

DELRO FIVE AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

**ADDITIONAL FLIGHT DATA:**

CHART: R-4009, P-40.

CHART: RAV R-193 AT DELRO, BAL R-013 AT DELRO, DQO R-309 AT JOANE, EMI R-015 AT LIRCH, EMI R-003 AT BINNS, EMI R-323 AT HYPER, MRB R-065 AT HYPER.

CHART: LRP DME AT JOANE, DELRO, LIRCH, BINNS, HYPER.

CHART: MXE DME AT DELRO.

CHART: MRB DME AT HYPER.

**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT  
OPERATIONS GROUP (AJW-33) MEMO, DATED DEC 22, 2017.

**ORGANIZATION:**

AJW-333

**DATE:**

Flight Inspected Signature:

*Digitally signed by*  
**CASIMIR L TABAKA**

Oct 30, 2018

**DEVELOPED BY:**

DEBORAH CABRAL

PCT AIRSPACE/  
PROCEDURES

10/03/2018

Developed By Signature:

**DEBORAH E CABRAL** Digitally signed by DEBORAH E CABRAL  
Date: 2018.03.30 09:31:26 -04'00'

**APPROVED BY:**

MARLON ROBINSON

AJV-5440

Approved By Signature:

*Digitally signed by*  
**CASIMIR L TABAKA**  
Oct 30, 2018

**CHANGES:**

1. REMOVED LEGS AT TWEAK, HUSEL, AND IVVVY.
2. REMOVED "LANDING RWYS 01R, 01C, 01L, AND 30: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER IVVVY" AND "LANDING RWYS 19R, 19C, 19L, AND 12: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO FDK VOR;" ADDED "EXPECT RADAR VECTORS TO FINAL APPROACH COURSE" AFTER THE 190 HEADING.

**REASONS:**

1. PROCEDURE NOW ENDS AT FDK VOR; FDK R-185 UNUSEABLE.
2. ATC REQUEST TO SIMPLIFY NOTES.

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Title:

