

**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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUCXS (RNAV)	FIVE	THINA.DUCXS5	FOUR	07/19/2018	10 SEP 2020

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
KELCE	KELCE.DUCXS5	KELCE	KELCE						AT 11000
		KELCE	THINA	066.18	15.32	6000	2400		
NEAVL	NEAVL.DUCXS5	NEAVL	NEAVL						AT 11000
		NEAVL	PULDY	040.92	10.63	6000	1800		
		PULDY	THINA	008.62	11.75	6000	1700		

ARRIVAL ROUTE DESCRIPTION:

FROM THINA ON TRACK 008.61/8.15 TO CROSS DUCXS AT 4000 (MEA 4000/MOCA 1800), THEN ON HEADING 041.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

- NOTE: RADAR REQUIRED.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU OR GPS REQUIRED.
- NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY.
- NOTE: "MAINTAIN LAST ATC ASSIGNED ALTITUDE UNTIL CLEARED TO DESCEND VIA THE DUCXS STAR."
- CHART AT THINA: LANDING NORTH RWY 2, RWY34: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO THINA.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING PATTERNS: KELCE (HOLD SW, LT, 066.18 INBOUND, 6NM LEGS, 210 KIAS). NEAVL (HOLD SW, RT, 037.34 INBOUND, 6NM LEGS, 210 KIAS).

COMMUNICATIONS:

POTOMAC APPROACH CONTROL 126.75/307.2.
RICHMOND INTL ATIS 119.15.

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
RICHMOND INTL (KRIC)	RICHMOND	VA



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LOST COMMUNICATIONS PREFERENCES:

REMARKS:

THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0).
REFERENCE MAGNETIC VARIATION = KRIC 10W/2020
CROSS KELCE AT 250 KIAS. CROSS NEAVL AT 250 KIAS.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW
AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 3, 2018.

ORGANIZATION:

DATE:

Flight Inspected Signature: *Digitally signed by*
ROBERT G HAMILTON
May 13, 2020

DEVELOPED BY:

DAN POWELL

AJV-A442

4/28/2020

Developed By Signature:

Digitally signed by
ROBERT G HAMILTON
May 13, 2020

APPROVED BY:

PAT MULQUEEN

AJV-A440

Approved By Signature:

Digitally signed by
ROBERT G HAMILTON
May 13, 2020

CHANGES:

1. REMOVE REFERENCE TO RWY 7.

REASONS:

2. RWY 7/25 CLOSED - TURNED INTO A TAXIWAY.



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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EN ROUTE TRANSITION

KELCE	371106.38N / 0775458.73W	Y	-	IF	-	-	AT 11000	AT 250K	KELCE.DUCXS5
THINA	371937.55N / 0773901.14W	Y	FB	TF	056.18	15.32			

EN ROUTE TRANSITION

NEAVL	365843.90N / 0774529.82W	Y	-	IF	-	-	AT 11000	AT 250K	NEAVL.DUCXS5
PULDY	370751.75N / 0773839.82W	Y	FB	TF	030.92	10.63			
THINA	371937.55N / 0773901.14W	Y	FB	TF	358.62	11.75			

COMMON ROUTE

THINA	371937.55N / 0773901.14W	Y	-	IF	-	-			THINA.DUCXS5
DUCXS	372747.20N / 0773916.00W	Y	FO	TF	358.61	08.15	AT 4000		
KRIC			-	VM	031.00	-			

