

**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.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
SPUDS (RNAV)	FOUR	LVZ.SPUDS4	THREE	07/24/2014	01 FEB 2018

This is a corrected copy of the procedure published in NFDD 241. See page 3 for details.

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
BINGHAMTON	CFB.SPUDS4	CFB VORTAC	LECOR	171.12	45.01	10000			
		LECOR	LYZ VORTAC	171.33	11.72	10000			
DELANCEY	DNY.SPUDS4	DNY VOR/DME	HARVA	223.46	15.00	15000			
		HARVA	CORLE	223.34	36.50	10000			
		CORLE	LVZ VORTAC	223.07	12.00	10000			

ARRIVAL ROUTE DESCRIPTION:

FROM LVZ VORTAC ON TRACK 191.65/32.06 TO SLATT (MEA 10000), THEN ON TRACK 191.67/9.43 TO ETX VOR/DME (MEA 8000), THEN ON TRACK 136.00/13.87 TO SPUDS (MEA 5000), THEN ON TRACK 167.97/12.14 TO ANMAR (MEA 5000) THEN...

...**LANDING RWY 26. 27L/27R:** THEN FROM ANMAR ON TRACK 168.21/13.79 TO BOJID (MEA 3000). THEN ON TRACK 176.64/5.21 TO HIFAL, THEN ON TRACK 086.47/4.35 TO EYRIE (MEA 2500). THEN ON TRACK 085.91/12.46 TO FERUS (MEA 2000), DEPART FERUS ON HEADING 085.91 DEGREES. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

...**LANDING RWY 9L/9R:** THEN FROM ANMAR ON TRACK 211.94/12.74 TO SCOO (MEA 2200), THEN ON TRACK 178.94/8.06 TO KYILL, THEN ON TRACK 265.26/6.14 TO EXPRS (MEA 2000). THEN ON TRACK 267.03/13.62 TO WHEY, DEPART WHEY ON HEADING 267 03 DEGREES. EXPECT RADAR VECTORS TO FINAL.

PROCEDURAL DATA NOTES:



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SPUDS (RNAV)	FOUR	LVZ.SPUDS4	THREE	07/24/2014	01 FEB 2018

NOTE: RADAR REQUIRED.

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: CAUTION: PARACHUTE JUMPING 7 NM SE SPUDS, 1.5 NM RADIUS PENNRIDGE AIRPORT, AOB 14500 (SR-SS)

EXPECT TO CROSS LECOR AT 12000, EXPECT TO CROSS HARVA AT FL190, EXPECT TO CROSS CORLE AT 12000, WHEN LANDING RWY 9L/9R OR RWY 26, 27L/27R,

EXPECT TO CROSS SPUDS AT 10000 AT 250 KIAS, WHEN LANDING RWY 9L/9R OR RWY 26, 27L/27R, EXPECT TO CROSS ANMAR AT OT BELOW 9000.

WHEN LANDING RWY 26, 27L/27R, EXPECT TO CROSS BOJID AT 6000 AT 220 KIAS. CROSS EYRIE AT 190 KIAS. EXPECT TO CROSS FERUS AT 4000. WHEN LANDING RWY 9L/9R EXPECT TO CROSS SCOOOL AT 6000 AT 220 KIAS. CROSS EXPRS AT 190 KIAS. EXPECT TO CROSS WHEY AT 4000.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT SPUDS (HOLD NW, RT, 136.00 INBOUND, 7NM LEGS, 210 KIAS)

COMMUNICATIONS:

PHILDELPHIA INTL D-ATIS ARR, PHILADELPHIA APPROACH CONTROL, PHILADELPHIA FINAL CONTROL, PHILADELPHIA TOWER (RWY 9L/27R, 8/26 AND 17/35) AND (RWY 9R/27L), GROUND CONTROL

AIRPORTS SERVED:

AIRPORT NAME

CITY

STATE

PHILADELPHIA INTL

PHILADELPHIA

PA

LOST COMMUNICATIONS PREFERENCES:

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REMARKS:

ENVIRONMENTAL IAW 1050.1E ON FILE.
FAAO 8260.58 WAIVER ON FILE FOR MINIMUM SPEED RESTRICTION, 190 KTS SPEED RESTRICTION REQUIRED ON 9L/R AND 26, 27L/R RWY TRANSITIONS.
MAGVAR UPDATE, ABBREVIATED AMENDMENT
THIS DOES NOT MEET PERIODIC REVIEW REQUIREMENTS

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 1.0)
REFERENCE MAGVAR: KPHL 12W/2020
CHART AIRPORT (IN GREYSCALE) PENNRIDGE (KCKZ)

FLIGHT INSPECTED BY:

FLIGHT INSPECTION NOT REQUIRED, MANAGER ROBERT STUCKERT

ORGANIZATION:

AJW-331

DATE:

Flight Inspected Signature:

*Digitally signed by***DONALD H LANIER**

Dec 28, 2017

DEVELOPED BY:

HERMAN ROGERS

AJV-5432

08/07/2017

Developed By Signature:

HERMAN CLAUDE ROGERS

Digitally signed by HERMAN CLAUDE ROGERS
Date: 2017.08.07 16:39:09 -05'00'**APPROVED BY:**

PATRICK MULQUEEN

AJV-5430

Approved By Signature:

*Digitally signed by***DONALD H LANIER**

Dec 28, 2017

CHANGES:

1. AMENDED REFERENCE MAGVAR FROM 10W/1980 TO 12W/2020.
2. ALL MAGNETIC HEADINGS INCREASED BY 2 DEGREES.
3. CHANGED HOLDING INBOUND COURSE AT SPUDS FROM 134.00 TO 136.00.

REASONS:

1. TO CORRESPOND WITH AIRPORT CAT II/III PROCEDURES.
- 2/3. DUE TO REFERENCE MAGVAR UPDATE FROM 10W/1980 TO 12W/2020.

12/27/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/11/2017.

1. ADDED NOTE, "NOTE: CAUTION: PARACHUTE JUMPING 7 NM SE SPUDS, 1.5 NM RADIUS PENNRIDGE AIRPORT, AOB 14500 (SR-SS)".
2. IN ADDITIONAL FLIGHT DATA, ADDED "CHART AIRPORT (IN GREYSCALE) PENNRIDGE (KCKZ)".

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Title:



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

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SPUDS (RNAV)	FOUR	LVZ.SPUDS4	THREE	07/24/2014	01 FEB 2018

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

CFB VORTAC	420926.95N/0760811.30W	Y	-	IF	-	-			CFB.SPUDS4
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LECOR	412720.73N/0754651.31W	Y	FB	TF	159.12	45.01			
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LVZ VORTAC	411622.09N/0754122.08W	Y	FB	TF	159.33	11.72			
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ENROUTE TRANSITION

DNY VOR/DME	421041.81N/0745724.99W	Y	-	IF	-	-			DNY.SPUDS4
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HARVA	415753.32N/0750754.65W	Y	FB	TF	211.46	15.00			
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CORLE	412639.50N/0753309.21W	Y	FB	TF	211.34	36.50			
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LVZ VORTAC	411622.09N/0754122.08W	Y	FB	TF	211.07	12.00			
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COMMON ROUTE

LVZ VORTAC	411622.09N/0754122.08W	Y	-	IF	-	-			LVZ.SPUDS4
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SLATT	404417.64N/0754106.83W	Y	FB	TF	179.65	32.06			
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ETX VOR/DME	403451.73N/0754102.52W		FB	TF	179.67	09.43			
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SPUDS	402704.91N/0752558.56W	Y	FB	TF	124.00	13.87			
ANMAR	401559.00N/0751931.00W	Y	FB	TF	155.97	12.14			
RUNWAY TRANSITION									
ANMAR	401559.00N/0751931.00W	Y	-	IF	-	-			
SCOO	400359.93N/0752510.55W	Y	FB	TF	199.94	12.74			
KYILL	395608.16N/0752248.43W	Y	FB	TF	166.94	8.06			
EXPRS	395421.73N/0753026.94W	Y	FB	TF	253.26	6.14		AT 190K	
WHEYY	395049.16N/0754731.85W	Y	FO	TF	255.03	13.62			
KPHL: RWY 9L/9R		-	-	VM	255.03	-			
RUNWAY TRANSITION									
ANMAR	401559.00N/0751931.00W	Y	-	IF	-	-			
BOJID	400320.87N/0751216.25W	Y	FB	TF	156.21	13.79			
HIFAL	395819.20N/0751028.56W	Y	FB	TF	164.64	5.21			



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EYRIE	395929.04N/0750501.32W	Y	FB	TF	074.47	4.35		AT 190K	
FERUS	400255.30N/0744926.23W	Y	FO	TF	073.91	12.46			
KPHL: RWY 26		-	-	VM	073.91	-			
RUNWAY TRANSITION									
ANMAR	401559.00N/0751931.00W	Y	-	IF	-	-			
BOJID	400320.87N/0751216.25W	Y	FB	TF	156.21	13.79			
HIFAL	395819.20N/0751028.56W	Y	FB	TF	164.64	5.21			
EYRIE	395929.04N/0750501.32W	Y	FB	TF	074.47	4.35		AT 190K	
FERUS	400255.30N/0744926.23W	Y	FO	TF	073.91	12.46			
KPHL: RWY 27L/27R		-	-	VM	073.91	-			

QUALITY
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CHECKED