

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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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BOJID (RNAV)	THREE	HAR.BOJID3	TWO	09/15/2016	23 FEB 2023

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
JOHNSTOWN	JST.BOJID3	JST VOR/DME	JST VOR/DME						
			MIROY	102.04	21.88	5400	5400		
			COFAX	102.35	17.92	5000	4700		
			LOMON	102.60	22.20	5000	4600		
			HAR VORTAC	102.92	19.00	5000	4400		
PHILIPSBURG	PSB.BOJID3	PSB VORTAC	PSB VORTAC						
			HAR VORTAC	142.81	55.99	4900	4900		

ARRIVAL ROUTE DESCRIPTION:

FROM HAR VORTAC ON TRACK 118.74/27.41 TO BOUHN, THEN ON TRACK 119.10/10.00 TO LRP VOR/DME, THEN ON TRACK 107.00/16.28 TO TRAGG, THEN ON TRACK 107.22/8.81 TO BUNTS.

LANDING RWY 9L/R: FROM BUNTS ON TRACK 105.42/15.18 TO SCOOL, THEN ON TRACK 178.94/8.06 TO KYILL, THEN ON TRACK 265.26/6.14 TO EXPRS, THEN ON TRACK 267.03/13.62 TO WHEYY, THEN ON HEADING 265.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27L/R: FROM BUNTS ON TRACK 105.42/15.18 TO SCOOL, THEN ON TRACK 105.69/9.93 TO BOJID, THEN ON TRACK 176.64/5.21 TO HIFAL, THEN ON TRACK 086.47/4.35/TO EYRIE, THEN ON TRACK 085.91/12.46 TO FERUS, THEN ON HEADING 085.00. 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:FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BUNTS: HOLD W, LT, 104.00 INBOUND, 4 NM LEGS, 210 KIAS.

CHART HOLDING AT MIROY: HOLD W, RT, 100.04 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHART: PHL APP CON

CHART: PHL FINAL CONTROL

CHART: PHL TOWER

CHART: GROUND CONTROL

AIRPORTS SERVED:

AIRPORT ID
KPHL

CITY
PHILADELPHIA

STATE
PA

QUALITY
14
CHECKED

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LOST COMMUNICATIONS PREFERENCES:REMARKS:

ABBREV AMDT, DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.
MTS ROC REDUCTION CANNOT BE TAKEN--ENROUTE TRANSITIONS ARE PRECIPITOUS.
DO NOT CHART MOCA VALUES JST THROUGH LOMON (WITHIN 500 FT OF MEA).
DO NOT CHART MOCA VALUES PSB THROUGH HAR (WITHIN 500 FT OF MEA).

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: KPHL 12W/2020

FLIGHT INSPECTED BY:

JEREMY R VIRTIS

ORGANIZATION:

FPO

DATE:

01/11/2023

Flight Inspected Signature:

*Digitally signed by***ALLAN WILL**

Jan 12, 2023

DEVELOPED BY:

WILLIAM D. MELTON

AJV-A423

8/15/2022

Developed By Signature:

*Digitally signed by***PHILLIP BRANDENBURG**

Oct 28, 2022

APPROVED BY:

MARLON ROBINSON

AJV-A420

Approved By Signature:

*Digitally signed by***ALLAN WILL**

Jan 12, 2023

CHANGES:

1. REMOVED NOTE: WHEN LANDING RWYS 27L/R: EXPECT TO CROSS BUNTS AT 8000 FT, EXPECT TO CROSS BOJID AT 6000 FT, CROSS BOJID AT 220 KTS, CROSS EYRIE AT 190 KTS, EXPECT TO CROSS FERUS AT 4000 FT.
2. REMOVED NOTE: WHEN LANDING RWYS 9L/R: EXPECT TO CROSS BUNTS AT 8000 FT, EXPECT TO CROSS SCOOOL AT 6000 FT, CROSS SCOOOL AT 220 KTS, CROSS EXPRS AT 190 KTS, EXPECT TO CROSS WHEY Y AT 4000 FT.
3. PUBLISHED MOCA VALUES
4. ADDED REMARKS MTS ROC REDUCTION CANNOT BE TAKEN.
5. ADDED REMARKS DO NOT CHART MOCA VALUES JST THROUGH LOMON, PSB THROUGH HAR (WITHIN 500 FT OF MEA).
6. MEAS PSB TO HAR CHANGED FROM 4000 TO 4900, MEA JST-MIROY FROM 5000 TO 5400.
7. STAR COMPUTER CODE CHANGED FROM BOJID.BOJID2 TO HAR.BOJID3.
8. ARRIVAL DESCRIPTION RESTATED TO INCLUDE ALL TRACKS/DISTANCES TO EACH WP AND REMOVED WORDING "WHEN PHILADELPHIA INTL IS LANDING".
9. MAG VAR CHANGED FROM 10W TO 12W, ALL COURSES UPDATED.
10. NOTE DME/DME/IRU OR GPS REQUIRED CHANGED TO PBN REQUIREMENT NOTE.
11. NOTE RNAV 1 CHANGED TO EQUIPMENT REQUIREMENTS NOTE.
12. 17.2 FORM: REMOVED AIRSPEED 210 KIAS AT SCOOOL; 190 KIAS AT EYRIE; 190 KIAS AT EXPRS.

QUALITY
14
CHECKED

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BOJID (RNAV)	THREE	HAR.BOJID3	TWO	09/15/2016	23 FEB 2023

REASONS:

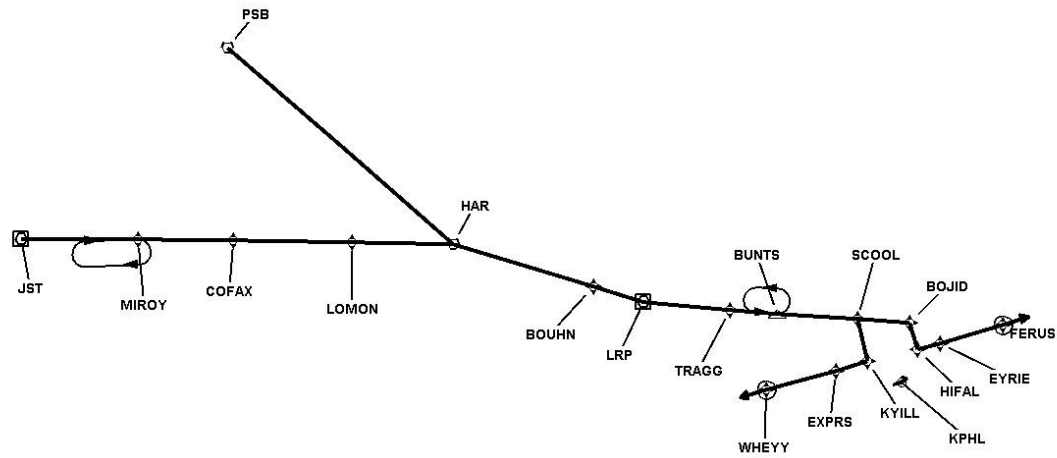
1. ATC REQUEST TO PROVIDE MORE EFFECIENT FLOW INTO PHL TERMINAL AIRSPACE.
2. ATC REQUEST TO PROVIDE MORE EFFECIENT FLOW INTO PHL TERMINAL AIRSPACE.
3. IAW AFS MEMO DATED 7-1-22.
4. PREVENT FUTURE USE OF LOWERED ALTITUDES.
5. IAW AFS MEMO DATED 7-1-22.
6. NEW OBST EVAL BASED ON MTS TERRAIN.
7. IAW 8260.19I PARA 4-5-2.R.
8. CURRENT DOCUMENTATION STANDARDS.
9. CATCH PROCEDURE UP TO CURRENT ARPT MAG VAR VALUE.
10. CURRENT DOCUMENTATION STANDARDS.
11. CURRENT DOCUMENTATION STANDARDS.
12. ATC REQUEST



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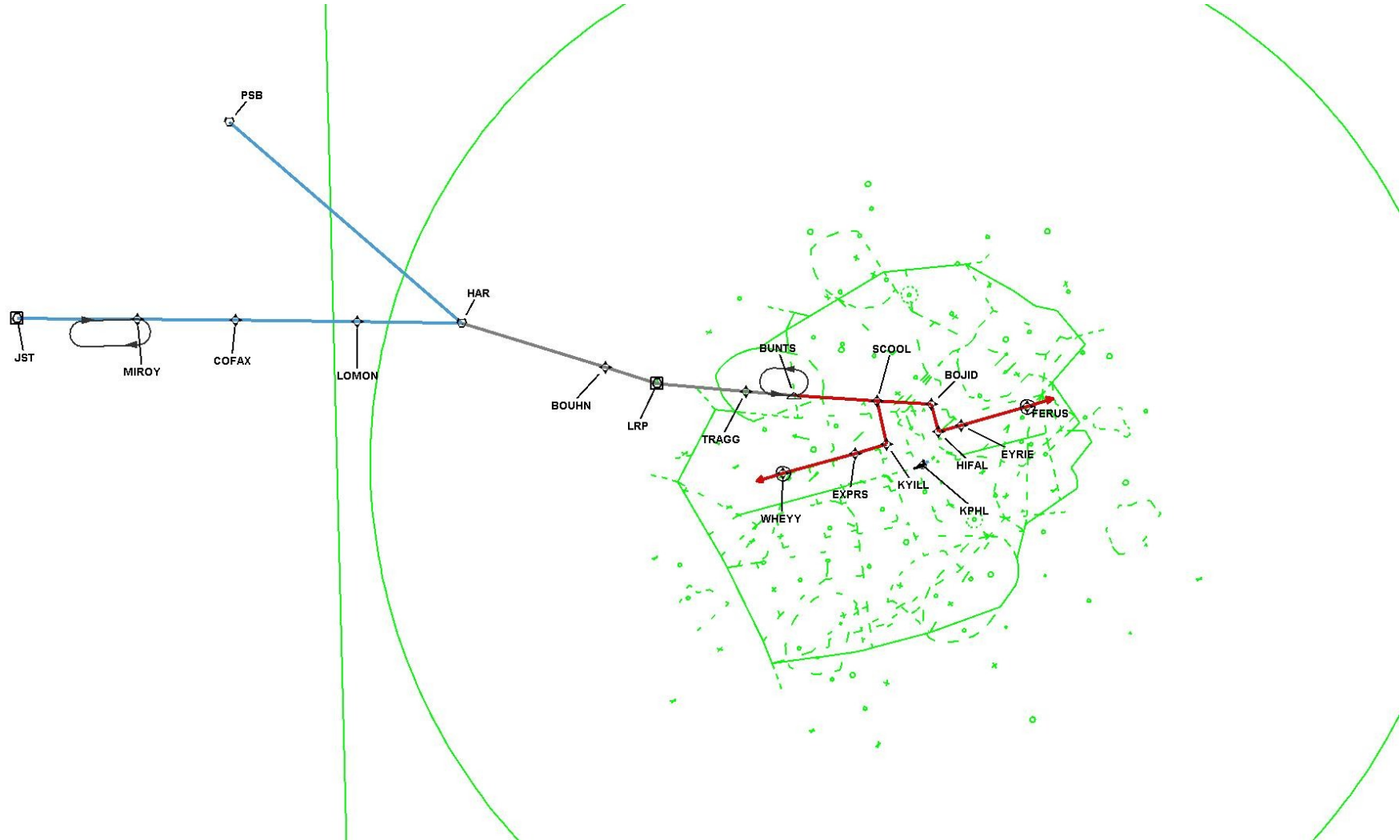
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
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Graphic Depiction 1					



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Graphic Depiction 2					



**FEDERAL AVIATION ADMINISTRATION
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STAR (DATA RECORD)**

Arrival Name BOJID (RNAV)		Number THREE		STAR Computer Code HAR.BOJID3		Superseded Number TWO		Dated 09/15/2016	Effective Date 23 FEB 2023
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
JST VOR/DME	401900.21N / 0785003.00W	Y		IF					JST.BOJID3
MIROY	401855.72N / 0782126.70W	Y	FB	TF	090.04	21.88			
COFAX	401846.73N / 0775800.98W	Y	FB	TF	090.35	17.92			
LOMON	401829.04N / 0772900.25W	Y	FB	TF	090.60	22.20			
HAR VORTAC	401808.06N / 0770410.41W	Y	FB	TF	090.92	19.00			
En Route Transition									
PSB VORTAC	405458.53N / 0775933.78W	Y		IF					PSB.BOJID3
HAR VORTAC	401808.06N / 0770410.41W	Y	FB	TF	130.81	55.99			
Common Route									
HAR VORTAC	401808.06N / 0770410.41W	Y		IF					HAR.BOJID3
BOUHN	401009.12N / 0762956.19W	Y	FB	TF	106.74	27.41			
LRP VOR/DME	400711.91N / 0761728.66W	Y	FB	TF	107.10	10.00			
TRAGG	400544.75N / 0755620.79W	Y	FB	TF	095.00	16.28			
BUNTS	400456.01N / 0754454.95W	Y	FB	TF	095.22	08.81			
Runway Transition									
BUNTS	400456.01N / 0754454.95W	Y		IF					
SCOOL	400359.93N / 0752510.55W	Y	FB	TF	093.42	15.18			
KYILL	395608.16N / 0752248.43W	Y	FB	TF	166.94	08.06			
EXPRS	395421.73N / 0753026.94W	Y	FB	TF	253.26	06.14			
WHEY Y	395049.16N / 0754731.85W	Y	FO	TF	255.03	13.62			
KPHL:RWY 9L 9R				VM	253.00				
Runway Transition									
BUNTS	400456.01N / 0754454.95W	Y		IF					
SCOOL	400359.93N / 0752510.55W	Y	FB	TF	093.42	15.18			
BOJID	400320.87N / 0751216.25W	Y	FB	TF	093.69	09.93			

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Arrival Name BOJID (RNAV)		Number THREE		STAR Computer Code HAR.BOJID3		Superseded Number TWO		Dated 09/15/2016	Effective Date 23 FEB 2023
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
HIFAL	395819.20N / 0751028.56W	Y	FB	TF	164.64	05.21			
EYRIE	395929.04N / 0750501.32W	Y	FB	TF	074.47	04.35			
FERUS	400255.30N / 0744926.23W	Y	FO	TF	073.91	12.46			
KPHL:RWY 27L 27R				VM	073.00				