

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date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)	FOUR	HAR.BOJID4	THREE	02/23/2023	5 OCT 2023

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
JOHNSTOWN	JST.BOJID4	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.BOJID4	PSB VORTAC	PSB VORTAC						
			HAR VORTAC	142.81	55.99	4900	4900		

ARRIVAL ROUTE DESCRIPTION:

FROM HAR VORTAC ON TRACK 118.73/37.41 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 WHEY, 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:

NOTE: EXPECT TO CROSS BUNTS AT 8000.

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:

ABBREVIATED AMENDMENT, 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:ORGANIZATION: DATE:

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021,
SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION VALIDATION.

Flight Inspected Signature:

Digitally signed by

ERIC N SUSKI

May 19, 2023

DEVELOPED BY:

Digitally signed by

RICHARD E CHRISTENSEN

AJV-A431

05/02/2023

Developed By Signature: **RICHARD E CHRISTENSEN**

May 08, 2023

Digitally signed by

ERIC N SUSKI

May 19, 2023

APPROVED BY:

ERIC N SUSKI

AJV-A431

Approved By Signature:

CHANGES:

1. REMOVED FIX BOUHN (NO CHANGE TO ROUNDED TRACK).
2. PROCEDURAL DATA NOTES: ADDED "NOTE: EXPECT TO CROSS BUNTS AT 8000".

REASONS:

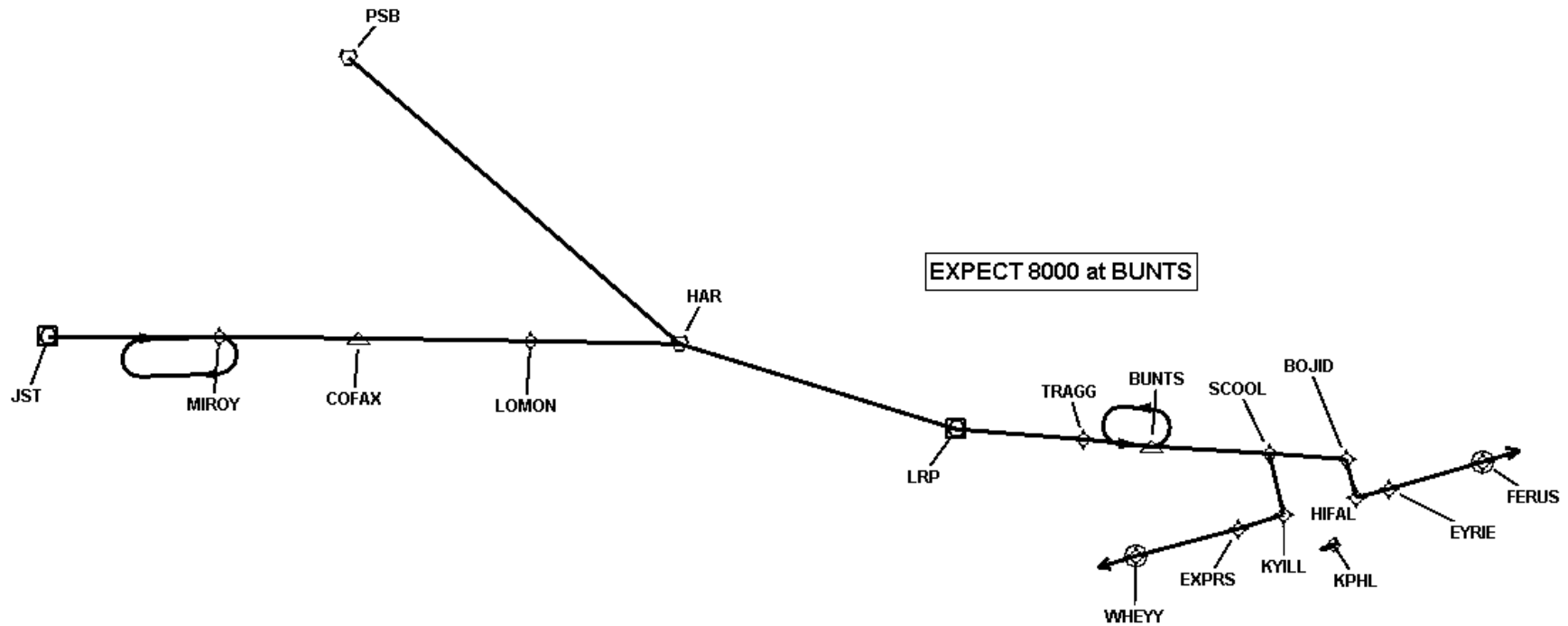
1. ATC REQUEST, MITIGATE SAFETY ISSUE, SIMILAR NAME WITH OTHER WP.
2. INADVERTENTLY REMOVED IN PRIOR PUBLICATION AND IS REQUIRED FOR SAFETY PRACTICES AT THIS CORE 30 AIRPORT UNTIL A FULL AMDT IS PUBLISHED.

QUALITY
14
CHECKED

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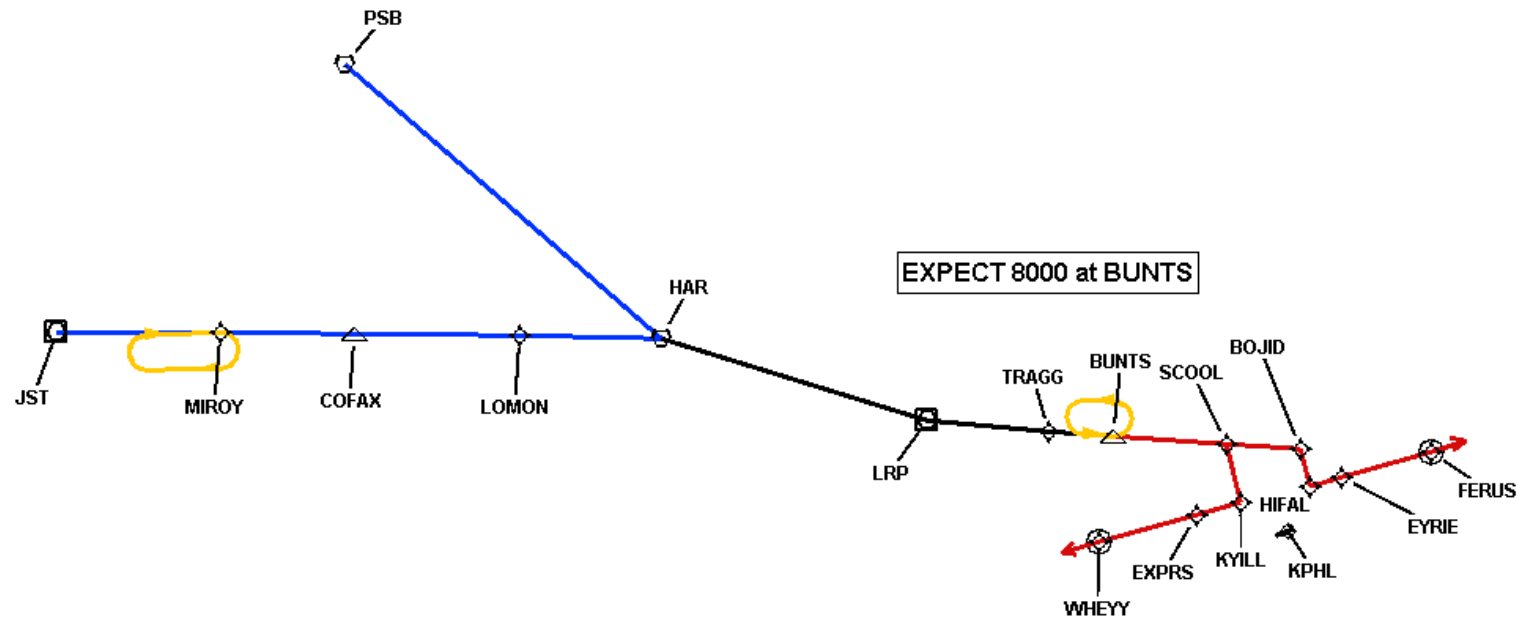
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Graphic Depiction 1					



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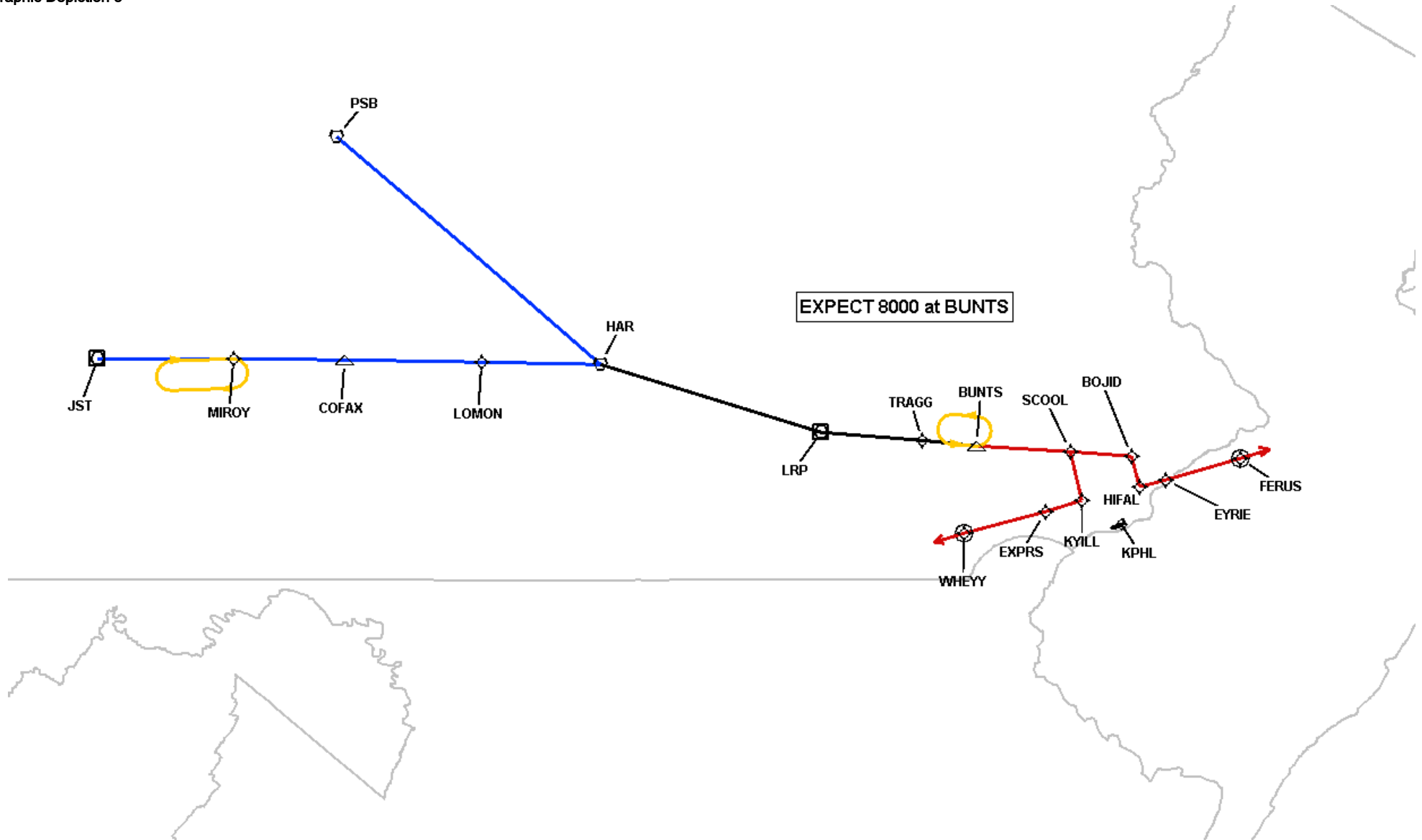
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BOJID (RNAV)	FOUR	HAR.BOJID4	THREE	02/23/2023	5 OCT 2023
Graphic Depiction 2					



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BOJID (RNAV)	FOUR	HAR.BOJID4	THREE	02/23/2023	5 OCT 2023
Graphic Depiction 3					



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

Arrival Name BOJID (RNAV)		Number FOUR		STAR Computer Code HAR.BOJID4		Superseded Number THREE		Dated 02/23/2023	Effective Date 5 OCT 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>
En Route Transition									
JST VOR/DME	401900.21N / 0785003.00W	Y		IF					JST.BOJID4
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.BOJID4
HAR VORTAC	401808.06N / 0770410.41W	Y	FB	TF	130.81	55.99			
Common Route									
HAR VORTAC	401808.06N / 0770410.41W	Y		IF					HAR.BOJID4
LRP VOR/DME	400711.91N / 0761728.66W	Y	FB	TF	106.73	37.41			
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			
WHEYY	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			
HIFAL	395819.20N / 0751028.56W	Y	FB	TF	164.64	05.21			

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<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>
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				