

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Arrival Name BHHIA (RNAV)	Number THREE	STAR Computer Code BHHIA.BHHIA3	Superseded Number TWO	Dated 05/19/2022	Effective Date 3 Nov 2022				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CANOA	CANOA.BHHIA3	CANOA	CANOA						
			LULLS	070.06	66.30	FL180	1500		
			GRACK	043.80	16.95	FL180	1500		AT/ABOVE FL270
			PYREX	044.21	39.48	15000	1500		AT/ABOVE 15000
			HULKY	045.72	30.96	9000	1500		AT/ABOVE 9000
			KERRA	010.31	10.36	7000	1500		AT 7000
			BHHIA	010.32	04.94	7000	1500		AT 7000
CITAG	CITAG.BHHIA3	CITAG	CITAG						
			KARTR	167.91	46.62	9000	1800		AT/BELOW FL190
			TWNKL	098.24	23.19	9000	1500		
			HULKY	045.82	10.93	9000	1500		AT/ABOVE 9000
			KERRA	010.31	10.36	7000	1500		AT 7000
			BHHIA	010.32	04.94	7000	1500		AT 7000
HULKY	HULKY.BHHIA3	HULKY	HULKY						AT/ABOVE 9000
			KERRA	010.31	10.36	7000	1500		AT 7000
			BHHIA	010.32	04.94	7000	1500		AT 7000
IKBIX	IKBIX.BHHIA3	IKBIX	IKBIX						
			PEAKY	013.51	35.59	15000	1500		
			STOGY	354.18	07.21	15000	1500		AT/BELOW FL200
			PYREX	351.50	31.82	15000	1500		AT/ABOVE 15000
			HULKY	045.72	30.96	9000	1500		AT/ABOVE 9000
			KERRA	010.31	10.36	7000	1500		AT 7000
			BHHIA	010.32	04.94	7000	1500		AT 7000
KARTR	KARTR.BHHIA3	KARTR	KARTR						AT/BELOW FL190
			TWNKL	098.24	23.19	9000	1500		
			HULKY	045.82	10.93	9000	1500		AT/ABOVE 9000
			KERRA	010.31	10.36	7000	1500		AT 7000

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Arrival Name BHHIA (RNAV)		Number THREE		STAR Computer Code BHHIA.BHHIA3		Superseded Number TWO			Dated 05/19/2022	Effective Date 3 Nov 2022
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			BHHIA	010.32	04.94	7000	1500		AT 7000	
MAXIM	MAXIM.BHHIA3	MAXIM	MAXIM							
			LULLS	052.66	42.01	FL180	1500			
			GRACK	043.80	16.95	FL180	1500		AT/ABOVE FL270	
			PYREX	044.21	39.48	15000	1500		AT/ABOVE 15000	
			HULKY	045.72	30.96	9000	1500		AT/ABOVE 9000	
			KERRA	010.31	10.36	7000	1500		AT 7000	
			BHHIA	010.32	04.94	7000	1500		AT 7000	
PYREX	PYREX.BHHIA3	PYREX	PYREX						AT/ABOVE 15000	
			HULKY	045.72	30.96	9000	1500		AT/ABOVE 9000	
			KERRA	010.31	10.36	7000	1500		AT 7000	
			BHHIA	010.32	04.94	7000	1500		AT 7000	
STOGY	STOGY.BHHIA3	STOGY	STOGY						AT/BELOW FL200	
			PYREX	351.50	31.82	15000	1500		AT/ABOVE 15000	
			HULKY	045.72	30.96	9000	1500		AT/ABOVE 9000	
			KERRA	010.31	10.36	7000	1500		AT 7000	
			BHHIA	010.32	04.94	7000	1500		AT 7000	

**ARRIVAL ROUTE DESCRIPTION:**

KFLL: FROM BHHIA ON TRACK 034.98/9.35 TO CROSS ADUBE AT 7000.

LANDING KFLL RWY 10L: FROM ADUBE ON TRACK 083.39/18.24 TO CROSS HOLID AT 5000. EXPECT ILS OR LOC RWY 10L APPROACH.

LANDING KFLL RWY 10R: FROM ADUBE ON TRACK 085.97/19.06 TO CROSS BUNKR AT 5000. EXPECT ILS OR LOC RWY 10R APPROACH.

LANDING KFLL RWY 28L/R: FROM ADUBE ON TRACK 079.84/22.13 TO FIPKO, THEN ON TRACK 088.62/16.61 TO CROSS BEPAC AT 6000, THEN ON TRACK 092.48/3.00 TO CROSS FAMBA AT 6000, THEN ON TRACK 096.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KFXE/KPMP: FROM BHHIA ON TRACK 034.98/4.50 TO CROSS CEMDI AT 7000, THEN ON TRACK 034.98. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KOPF: FROM BHHIA ON TRACK 034.98/4.50 TO CROSS CEMDI AT 7000, THEN ON HEADING 081.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

CANOA TRANSITION RNAV 1 - GPS

MAXIM TRANSITION RNAV 1 - GPS

IKBIX TRANSITION RNAV 1 - GPS

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BHHIA (RNAV)	THREE	BHHIA.BHHIA3	TWO	05/19/2022	3 Nov 2022

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

NOTE: Expect "descend via" clearance and landing direction (east or west) by ARTCC. For vertical navigation planning, FLL landing east, select Rwy 10R, FLL landing west, select Rwy 28R.

NOTE: DO NOT FILE CITAG, HULKY, KARTR OR STOGY TRANSITION - TO BE ASSIGNED BY ATC.

NOTE: DO NOT FILE PYREX TRANSITION AT OR ABOVE FL240 - TO BE ASSIGNED BY ATC.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT CITAG: HOLD N, RT, 166.91 INBOUND, 10 NM LEGS.

CHART HOLDING AT GRACK: HOLD SW, RT, 044.21 INBOUND, 10 NM LEGS.

CHART HOLDING AT HOLID: HOLD W, LT, 096.22 INBOUND, 4 NM LEGS.

CHART HOLDING AT HULKY: HOLD SW, LT, 045.72 INBOUND, 10 NM LEGS.

CHART HOLDING AT KARTR: HOLD N, LT, 166.91 INBOUND, 10 NM LEGS.

CHART HOLDING AT PAMPR: HOLD SW, LT, 060.48 INBOUND, 10 NM LEGS.

CHART HOLDING AT PYREX: HOLD SW, LT, 044.21 INBOUND, 10 NM LEGS.

CHART: QDAWG, FUZY, BLAIM.

**COMMUNICATIONS:**

CHART: MIAMI APP CON

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KFLL	FORT LAUDERDALE	FL
KFXE	FORT LAUDERDALE	FL
KOPF	MIAMI	FL
KPMP	POMPAÑO BEACH	FL

**LOST COMMUNICATIONS PREFERENCES:****REMARKS:**

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
ABBREVIATED AMENDMENT.

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KFLL 06W/2015

CHART AT HOLID TERMINUS: LDG KFLL RWY 10L

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>BHHIA (RNAV)</b>	<b>THREE</b>	<b>BHHIA.BHHIA3</b>	<b>TWO</b>	<b>05/19/2022</b>	<b>3 Nov 2022</b>

CHART AT BUNKR TERMINUS: LDG KFLL RWY 10R  
CHART AT FAMBA TERMINUS: LDG KFLL RWY 28L/R  
CHART AT CEMDI TERMINUS: LDG KFXE, KPMP, KOPF

**FLIGHT INSPECTED BY:****ORGANIZATION: DATE:**

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

Flight Inspected Signature:

*Digitally signed by***ALLAN WILL**

Aug 02, 2022

**DEVELOPED BY:**

VICKI TURNER

DESIGN 05/13/2022  
IMPLEMENTATION  
MANAGER AJVE-  
22

Developed By Signature:

*Digitally signed by***ALLAN WILL**

Aug 02, 2022

**APPROVED BY:**

MARLON ROBINSON

AJV-A420

Approved By Signature:

*Digitally signed by***ALLAN WILL**

Aug 02, 2022

**CHANGES:**

1. REMOVED NOTE: Descend via MACH number until intercepting 280K. Maintain 280K until slowed by the STAR or assigned by ATC.
2. REMOVED NOTE: CITAG, HULKY, KARTR, STOGY TRANSITIONS, ATC ASSIGNED ONLY.
3. REMOVED NOTE: PYREX TRANSITION, ATC ASSIGNED ONLY AT OR ABOVE FL240.
4. ADDED NOTE: DO NOT FILE CITAG, HULKY, KARTR OR STOGY TRANSITION - TO BE ASSIGNED BY ATC.
5. ADDED NOTE: DO NOT FILE PYREX TRANSITION AT OR ABOVE FL240 - TO BE ASSIGNED BY ATC.
6. REMOVED NOTE: MIA approach will issue landing runway.
7. REMOVED REMARK: MEAs at or ABOVE FL180 for COMM and DME/DME/IRU SOLUTION.
8. CHANGED ALTITUDE RESTRICTION AT ADUBE FROM "AT 6000" TO "AT 7000".
9. CHANGED ALTITUDE RESTRICTION AT CEMDI FROM "AT 6000" TO "AT 7000".
10. ADDED CHART: QDAWG, FUZZY, BLAIM.
11. REMOVED "OR AS ASSIGNED BY ATC" FROM KOPF ARRIVAL ROUTE DESCRIPTION.

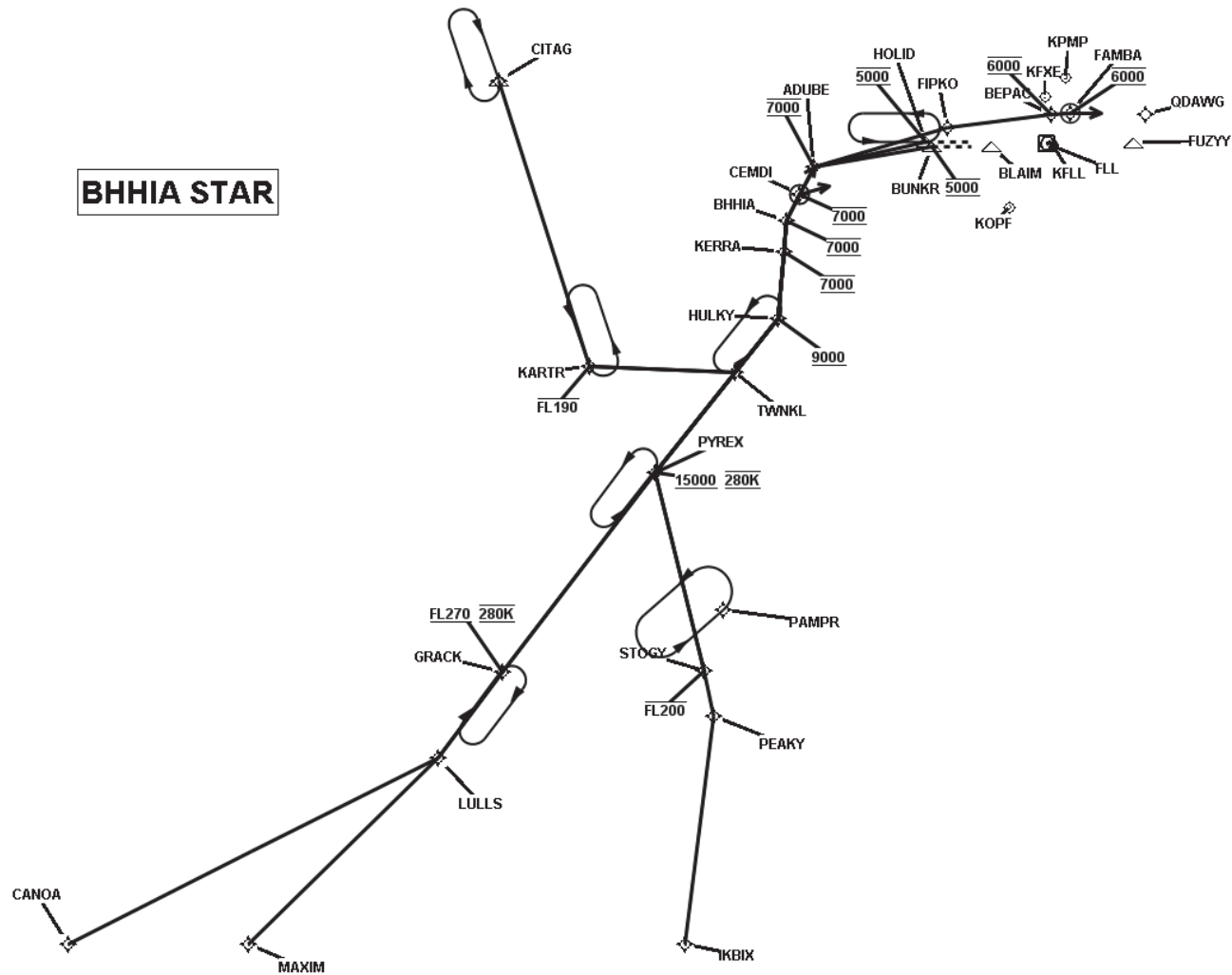
**REASONS:**

- 1-5. IAW 8260.19I NOTE STANDARDIZATION.
6. REDUCE CHART CLUTTER. THIS REQUIREMENT IS ADDRESSED IN FAAO 7110.65.
7. NOT REQUIRED.
- 8-9. DECONFLICT FROM FROGZ STAR.
10. ATC REQUEST.
11. ONLY ONE HEADING ALLOWED.

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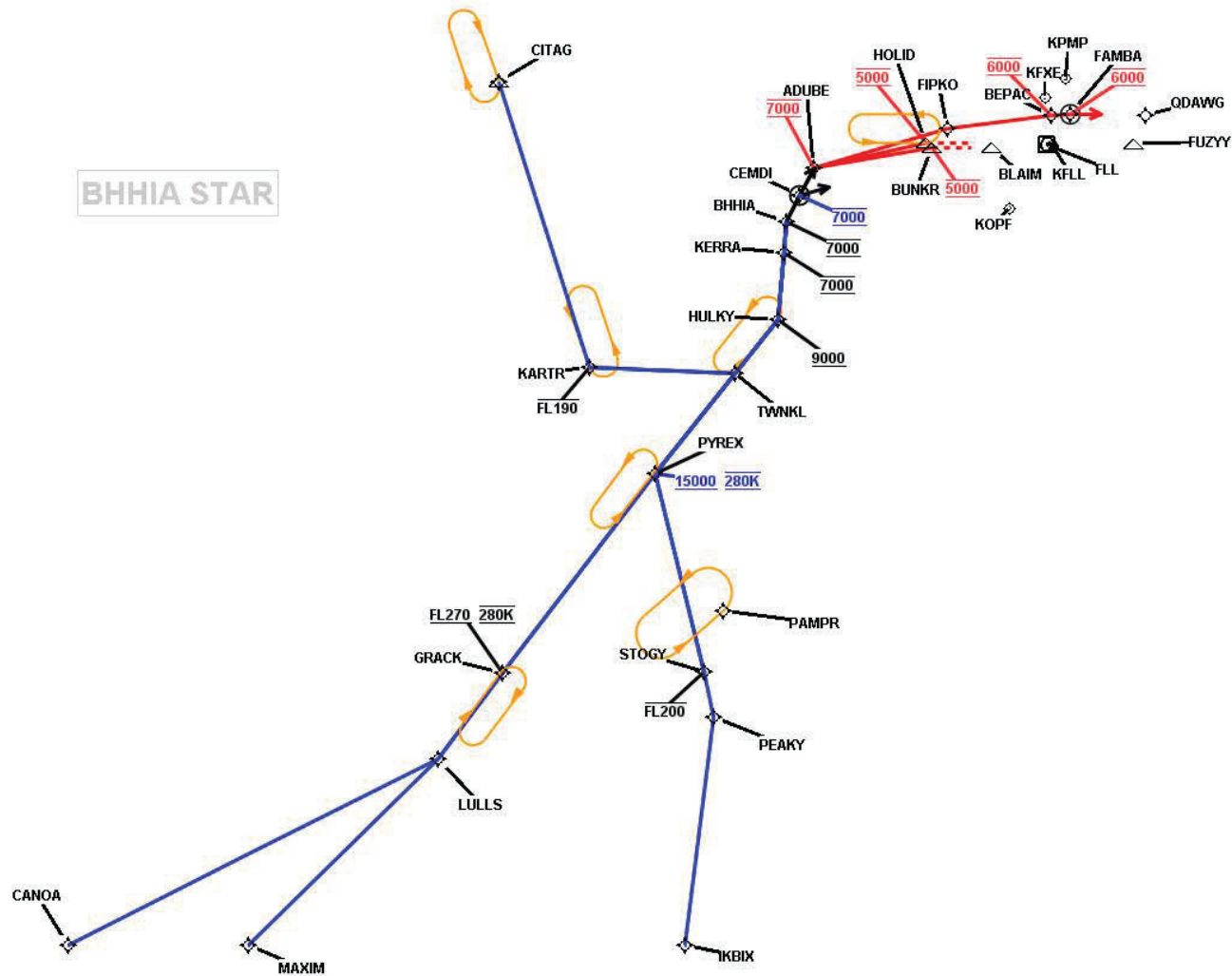
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BHHIA (RNAV)	THREE	BHHIA.BHHIA3	TWO	05/19/2022	3 Nov 2022
Graphic Depiction 1					



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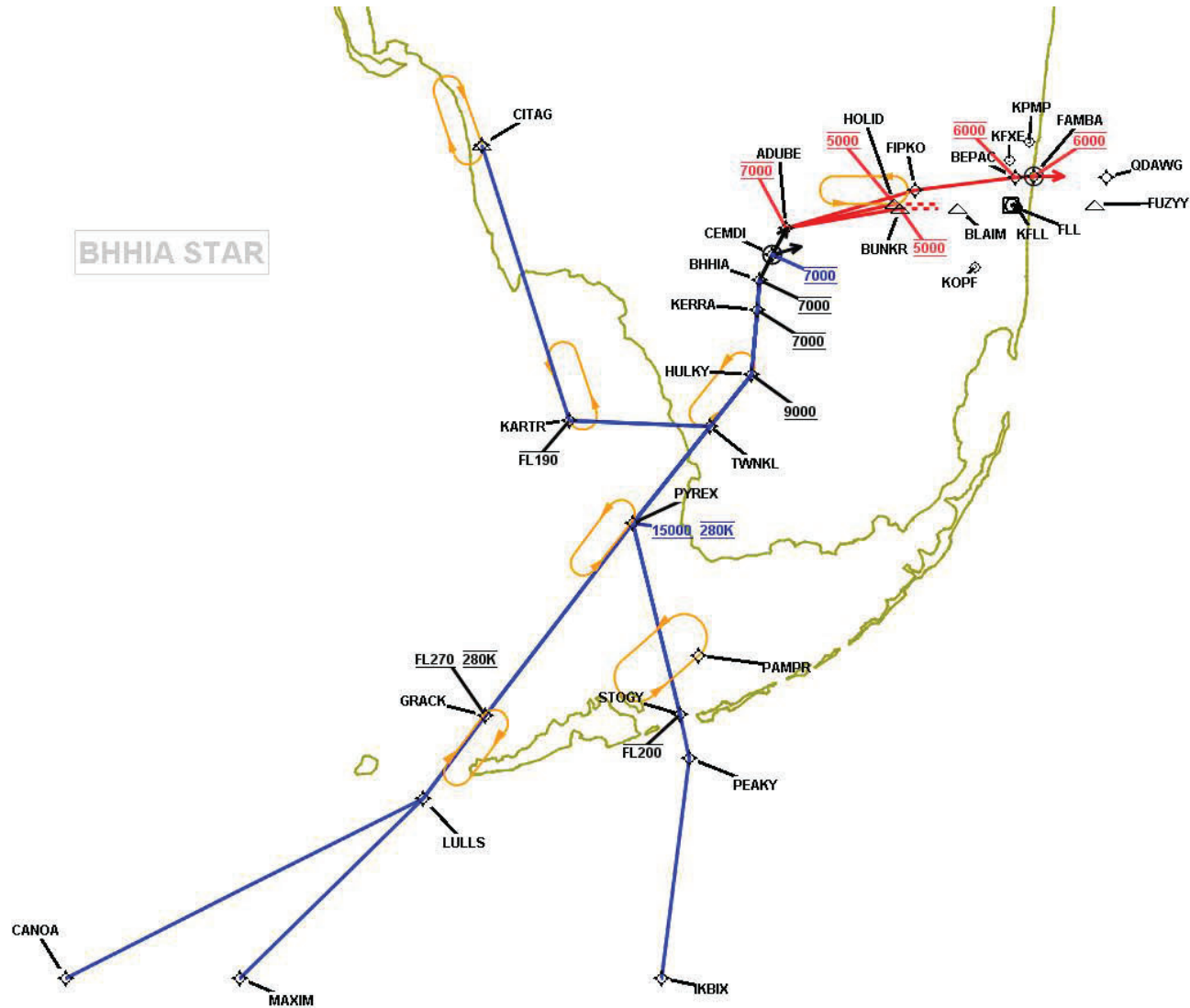
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BHHIA (RNAV)	THREE	BHHIA.BHHIA3	TWO	05/19/2022	3 Nov 2022
Graphic Depiction 2					



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Graphic Depiction 3					



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

Arrival Name BHHIA (RNAV)	Number THREE	STAR Computer Code BHHIA.BHHIA3		Superseded Number TWO		Dated 05/19/2022	Effective Date 3 Nov 2022		
<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									
CANOA	240000.00N / 0830300.00W	Y		IF					CANOA.BHHIA3
LULLS	242851.84N / 0815738.55W	Y	FB	TF	064.06	66.30			
GRACK	244217.66N / 0814613.85W	Y	FB	TF	037.80	16.95	AT/ABOVE FL270	AT 280K	
PYREX	251322.29N / 0811918.38W	Y	FB	TF	038.21	39.48	AT/ABOVE 15000	AT 280K	
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.72	30.96	AT/ABOVE 9000		
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
CITAG	261413.33N / 0814646.35W	Y		IF					CITAG.BHHIA3
KARTR	252945.76N / 0813046.24W	Y	FB	TF	161.91	46.62	AT/BELOW FL190		
TWNKL	252849.07N / 0810509.51W	Y	FB	TF	092.24	23.19			
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.82	10.93	AT/ABOVE 9000		
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
HULKY	253714.12N / 0805724.85W	Y		IF			AT/ABOVE 9000		HULKY.BHHIA3
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
IKBIX	240000.00N / 0811400.00W	Y		IF					IKBIX.BHHIA3
PEAKY	243523.72N / 0810853.91W	Y	FB	TF	007.51	35.59			
STOGY	244228.49N / 0811031.18W	Y	FB	TF	348.18	07.21	AT/BELOW FL200		
PYREX	251322.29N / 0811918.38W	Y	FB	TF	345.50	31.82	AT/ABOVE 15000	AT 280K	
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.72	30.96	AT/ABOVE 9000		



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STAR (DATA RECORD)**

Arrival Name BHHIA (RNAV)		Number THREE		STAR Computer Code BHHIA.BHHIA3		Superseded Number TWO		Dated 05/19/2022	Effective Date 3 Nov 2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
KARTR	252945.76N / 0813046.24W	Y		IF			AT/BELOW FL190		KARTR.BHHIA3
TWNKL	252849.07N / 0810509.51W	Y	FB	TF	092.24	23.19			
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.82	10.93	AT/ABOVE 9000		
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
MAXIM	240000.00N / 0823107.73W	Y		IF					MAXIM.BHHIA3
LULLS	242851.84N / 0815738.55W	Y	FB	TF	046.66	42.01			
GRACK	244217.66N / 0814613.85W	Y	FB	TF	037.80	16.95	AT/ABOVE FL270	AT 280K	
PYREX	251322.29N / 0811918.38W	Y	FB	TF	038.21	39.48	AT/ABOVE 15000	AT 280K	
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.72	30.96	AT/ABOVE 9000		
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
PYREX	251322.29N / 0811918.38W	Y		IF			AT/ABOVE 15000	AT 280K	PYREX.BHHIA3
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.72	30.96	AT/ABOVE 9000		
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
En Route Transition									
STOGY	244228.49N / 0811031.18W	Y		IF			AT/BELOW FL200		STOGY.BHHIA3
PYREX	251322.29N / 0811918.38W	Y	FB	TF	345.50	31.82	AT/ABOVE 15000	AT 280K	
HULKY	253714.12N / 0805724.85W	Y	FB	TF	039.72	30.96	AT/ABOVE 9000		



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KERRA	254735.95N / 0805633.04W	Y	FB	TF	004.31	10.36	AT 7000		
BHHIA	255232.49N / 0805608.29W	Y	FB	TF	004.32	04.94	AT 7000		
Common Route									
BHHIA	255232.49N / 0805608.29W	Y		IF			AT 7000		BHHIA.BHHIA3
ADUBE	260044.71N / 0805106.54W	Y	FB	TF	028.98	09.35	AT 7000		
Common Route									
BHHIA	255232.49N / 0805608.29W	Y		IF			AT 7000		BHHIA.BHHIA3
CEMDI	255629.38N / 0805343.17W	Y	FO	TF	028.98	04.50	AT 7000		
KFXE,KPMP				FM	028.98				
Common Route									
BHHIA	255232.49N / 0805608.29W	Y		IF			AT 7000		BHHIA.BHHIA3
CEMDI	255629.38N / 0805343.17W	Y	FO	TF	028.98	04.50	AT 7000		
KOPF				VM	075.00				
Runway Transition									
ADUBE	260044.71N / 0805106.54W	Y		IF			AT 7000		
HOLID	260442.92N / 0803120.57W	Y	FB	TF	077.39	18.24	AT 5000		
KFLL:RWY 10L									
Runway Transition									
ADUBE	260044.71N / 0805106.54W	Y		IF			AT 7000		
BUNKR	260402.97N / 0803016.05W	Y	FB	TF	079.97	19.06	AT 5000		
KFLL:RWY 10R									
Runway Transition									
ADUBE	260044.71N / 0805106.54W	Y		IF			AT 7000		
FIPKO	260653.35N / 0802729.92W	Y	FB	TF	073.84	22.13			

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BEPAC	260900.59N / 0800911.72W	Y	FB	TF	082.62	16.61	AT 6000		
FAMBA	260911.63N / 0800552.06W	Y	FO	TF	086.48	03.00	AT 6000		
KFLL:RWY 28L,RWY 28R				FM	090.00				