

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Arrival Name BELLR (RNAV)	Number FIVE	STAR Computer Code BELLR.BELLR5	Superseded Number FOUR	Dated 10/07/2021	Effective Date 5 Oct 2023				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
COLLT	COLLT.BELLR5	COLLT	COLLT						
			AMMMO	023.11	77.34	9000	2100		AT/ABOVE FL240
			BELLR	025.94	50.38	7000	2100		BETWEEN 11000 AND 13000
CORPUS CHRISTI	CRP.BELLR5	CRP VORTAC	CRP VORTAC						
			LMEDA	035.43	43.00	11000	2100		
			ALIEF	035.67	16.98	9000	2100		AT/ABOVE FL240
			BIGTX	035.78	10.33	8000	2100		
			BELLR	039.49	40.92	7000	2100		BETWEEN 11000 AND 13000
LMEDA	LMEDA.BELLR5	LMEDA	LMEDA						
			ALIEF	035.67	16.98	9000	2100		AT/ABOVE FL240
			BIGTX	035.78	10.33	8000	2100		
			BELLR	039.49	40.92	7000	2100		BETWEEN 11000 AND 13000
SAN ANTONIO	SAT.BELLR5	SAT VORTAC	SAT VORTAC						
			BALKK	096.77	76.27	9000	2900		AT/ABOVE FL240
			PARAA	097.48	03.00	9000	1900		
			GLOCK	093.11	17.01	9000	1800		AT/ABOVE FL190
			KMMBR	093.34	07.48	8000	1700		
			BELLR	093.36	22.03	7000	1700		BETWEEN 11000 AND 13000
WEMAR	WEMAR.BELLR5	WEMAR	WEMAR						
			SHERE	109.36	30.00	7000	2000		
			BELLR	109.62	22.27	7000	1700		BETWEEN 11000 AND 13000

QUALITY  
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**ARRIVAL ROUTE DESCRIPTION:**

FROM BELLR ON TRACK 048.79/14.01 TO CROSS HNTRR BETWEEN 8000 AND 10000.

LANDING RWY 4: FROM HNTRR ON TRACK 083.85/12.04 TO CROSS GEEEO AT 6000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 4 APPROACH.

LANDING RWY 13L/R: FROM HNTRR ON TRACK 052.11/14.27 TO CROSS HACKT AT OR BELOW 7000, THEN ON TRACK 052.22/3.46 TO CROSS CRSTY AT 6000 AND AT 210 KIAS, THEN ON TRACK 042.00/2.00 TO CROSS SEUSS AT 6000, THEN ON TRACK 042.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22: FROM HNTRR ON TRACK 066.65/19.42 TO CROSS AWSTN AT OR BELOW 7000 AND AT 210 KIAS, THEN ON TRACK 066.82/8.00 TO CROSS VILLI AT 6000, THEN ON TRACK 093.28/12.51 TO CROSS MAAHH AT 6000, THEN ON TRACK 109.60. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 31L/R: FROM HNTRR ON TRACK 066.65/19.42 TO CROSS AWSTN AT OR BELOW 7000 AND AT 210 KIAS, THEN ON TRACK 066.82/8.00 TO CROSS VILLI AT 6000, THEN ON TRACK 129.63/5.67 TO CROSS RJAA Y AT 6000, THEN ON TRACK 129.63. 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: FOR JET AND TURBOPROP AIRCRAFT CAPABLE OF 280 KIAS OR GREATER ONLY.

NOTE: EXPECT RUNWAY ASSIGNMENT FROM HOUSTON TRACON UPON INITIAL CONTACT.

NOTE: JET AIRCRAFT DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280 KIAS. MAINTAIN 280 KIAS UNTIL SLOWED BY THE STAR.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT ALIEF: HOLD SW, RT, 035.67 INBOUND, 10 NM LEGS.

CHART HOLDING AT AMMMO: HOLD SW, RT, 023.11 INBOUND, 10 NM LEGS.

CHART HOLDING AT BELLR: HOLD SW, RT, 025.94 INBOUND, 10 NM LEGS.

**COMMUNICATIONS:**

CHART: HOUSTON APP CON

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KHOU	HOUSTON	TX

**LOST COMMUNICATIONS PREFERENCES:****REMARKS:****ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: KHOU 03E/2015

CHART AT SEUSS TERMINUS: KHOU LDG RWY 13L/R

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<b>BELLR (RNAV)</b>	<b>FIVE</b>	<b>BELLR.BELLR5</b>	<b>FOUR</b>	<b>10/07/2021</b>	<b>5 Oct 2023</b>
CHART AT GEEEO TERMINUS: KHOU LDG RWY 4 CHART AT RJAAY TERMINUS: KHOU LDG RWY 31L/R CHART AT MAAHH TERMINUS: KHOU LDG RWY 22					
<b>FLIGHT INSPECTED BY:</b>		<b>ORGANIZATION:</b>	<b>DATE:</b>	<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	
JAMES HAWLEY		FPO	08/10/2023	<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	
<b>DEVELOPED BY:</b>				<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	
JILL BOUTOT, SUPPORT MANAGER, AIRSPACE AND PROCEDURES, HOUSTON/GULF COAST DISTRICT		AJT-TCHU1-ZHU	03/31/2023	<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	
<b>APPROVED BY:</b>				<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	
ALLAN WILL, MANAGER		AJV-A423		<i>Digitally signed by</i> <b>ALLAN WILL</b> Aug 14, 2023	

**CHANGES:**

1. COLLT TRANSITION ROUTE: CHANGED COLLT TO AMMMO SEGMENT MOCA FROM 1800 TO 2100.
2. CORPUS CHRISTI TRANSITION ROUTE: CHANGED CRP VORTAC TO LMEDA AND LMEDA TO ALIEF SEGMENTS MOCA FROM 1500 TO 2100.
3. LMEDA TRANSITION ROUTE: CHANGED LMEDA TO ALIEF SEGMENT MOCA FROM 1500 TO 2100.
4. SAN ANTONIO TRANSITION ROUTE: CHANGED GLOCK TO KMMBR SEGMENT MOCA FROM 1500 TO 1700.
5. TRANSITION ROUTES: REMOVED SMAKR TRANSITION. ADDED WEMAR TRANSITION.
6. RWY 13L/R ARRIVAL ROUTE DESCRIPTION: CHANGED "SEUSS" TO "TO CROSS SEUSS AT 6000".
7. RWY 22 ARRIVAL ROUTE DESCRIPTION: CHANGED "MAAHH" TO "TO CROSS MAHHH AT 6000".
8. RWY 31L/R ARRIVAL ROUTE DESCRIPTION: CHANGED "RJAAY" TO "TO CROSS RJAAY AT 6000".
9. AIRPORTS SERVED: REMOVED AIRPORT NAME.
10. ADDITIONAL FLIGHT DATA: ADDED TERMINUS CHARTING FOR SEUSS, GEEEO, RJAAY, AND MAAHH.
11. CHANGED ALL REFERENCES OF TURBOJET TO JET.

**REASONS:**

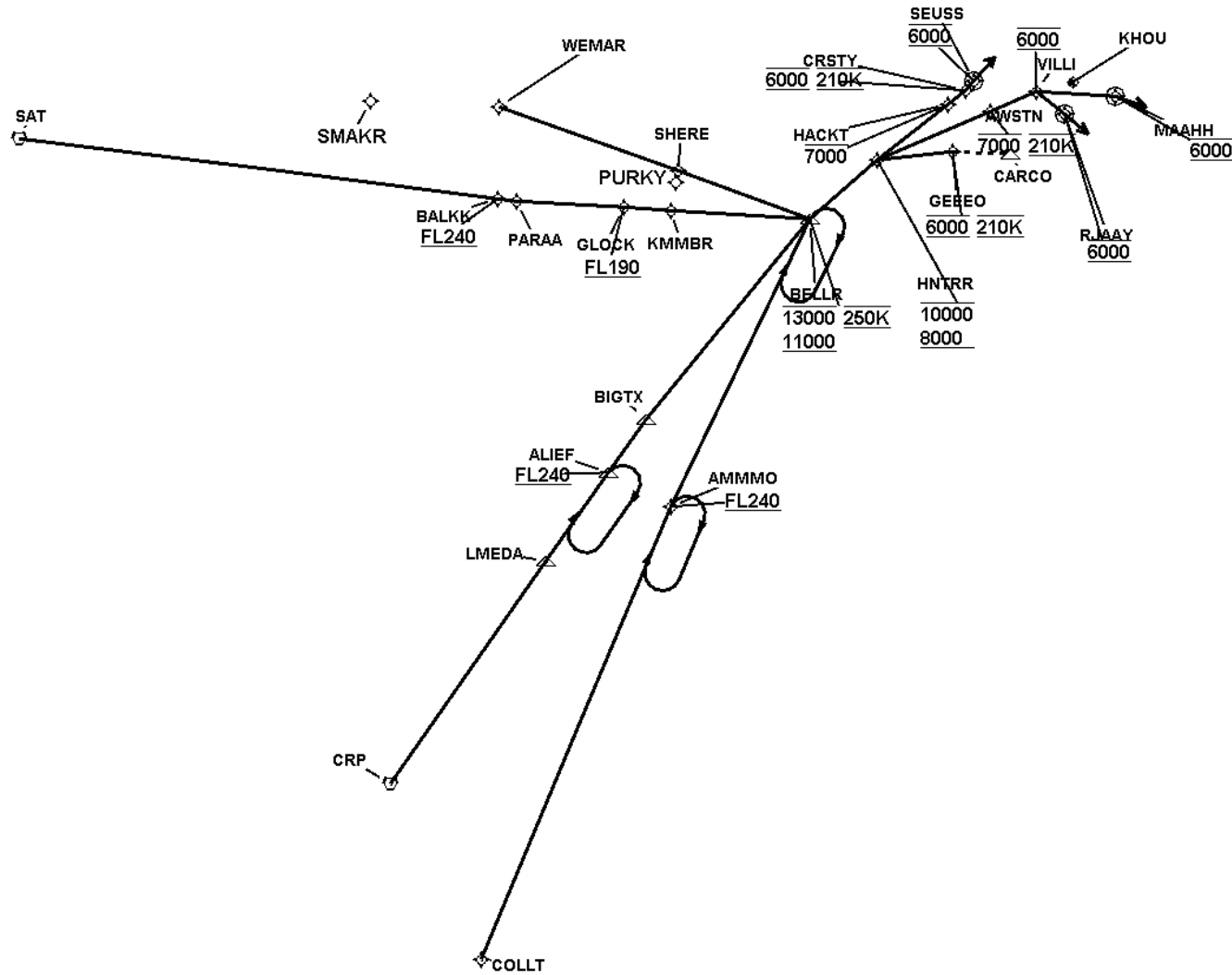
- 1-4. SEGMENT MOCA CAN NOT BE HIGHER THAN PREVIOUS SEGMENT MOCA PER FAAO 8260.3E, PARA 2-2-7D(3) CRITERIA.
- 5-8. ATC REQUEST.
9. AIRPORT NAME NO LONGER REQUIRED PER FAAO 8260.190I, PARA 4-5-12G CRITERIA.
10. REQUIRED DOCUMENTATION PER FAAO 8260.19I, PARA 4-5-2H(2) CRITERIA.
11. IAW CURRENT DOCUMENTATION.

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Graphic Depiction 1					



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STAR (DATA RECORD)**

Arrival Name BELLR (RNAV)	Number FIVE	STAR Computer Code BELLR.BELLR5		Superseded Number FOUR		Dated 10/07/2021		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									
COLLT	272547.42N / 0971152.05W	Y		IF					COLLT.BELLR5
AMMMO	283520.02N / 0963312.36W	Y	FB	TF	026.11	77.34	AT/ABOVE FL240		
BELLR	291929.45N / 0960519.17W	Y	FB	TF	028.94	50.38	11000B13000	AT 250K	
En Route Transition									
CRP VORTAC	275413.56N / 0972641.57W	Y		IF					CRP.BELLR5
LMEDA	282756.74N / 0965622.09W	Y	FB	TF	038.43	43.00			
ALIEF	284113.74N / 0964418.32W	Y	FB	TF	038.67	16.98	AT/ABOVE FL240		
BIGTX	284917.82N / 0963656.48W	Y	FB	TF	038.78	10.33			
BELLR	291929.45N / 0960519.17W	Y	FB	TF	042.49	40.92	11000B13000	AT 250K	
En Route Transition									
LMEDA	282756.74N / 0965622.09W	Y		IF					LMEDA.BELLR5
ALIEF	284113.74N / 0964418.32W	Y	FB	TF	038.67	16.98	AT/ABOVE FL240		
BIGTX	284917.82N / 0963656.48W	Y	FB	TF	038.78	10.33			
BELLR	291929.45N / 0960519.17W	Y	FB	TF	042.49	40.92	11000B13000	AT 250K	
En Route Transition									
SAT VORTAC	293838.51N / 0982740.74W	Y		IF					SAT.BELLR5
BALKK	292511.78N / 0970136.90W	Y	FB	TF	099.77	76.27	AT/ABOVE FL240		
PARAA	292438.91N / 0965814.25W	Y	FB	TF	100.48	03.00			
GLOCK	292248.61N / 0963852.68W	Y	FB	TF	096.11	17.01	AT/ABOVE FL190		
KMMBR	292158.62N / 0963022.19W	Y	FB	TF	096.34	07.48			
BELLR	291929.45N / 0960519.17W	Y	FB	TF	096.36	22.03	11000B13000	AT 250K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
WEMAR	293937.15N / 0970037.45W	Y		IF					WEMAR.BELLR5
SHERE	292806.86N / 0962850.40W	Y	FB	TF	112.36	30.00			
BELLR	291929.45N / 0960519.17W	Y	FB	TF	112.62	22.27	11000B13000	AT 250K	
Common Route									
BELLR	291929.45N / 0960519.17W	Y		IF			11000B13000	AT 250K	BELLR.BELLR5
HNTRR	292810.22N / 0955242.41W	Y	FB	TF	051.79	14.01	8000B10000		
Runway Transition									
HNTRR	292810.22N / 0955242.41W	Y		IF			8000B10000		
GEEEO	292849.23N / 0953856.30W	Y	FB	TF	086.85	12.04	AT 6000	AT 210K	
KHOU:RWY 4									
Runway Transition									
HNTRR	292810.22N / 0955242.41W	Y		IF			8000B10000		
HACKT	293620.46N / 0953916.72W	Y	FB	TF	055.11	14.27	AT/BELOW 7000		
CRSTY	293819.11N / 0953601.06W	Y	FB	TF	055.22	03.46	AT 6000	AT 210K	
SEUSS	293944.20N / 0953423.61W	Y	FO	TF	045.00	02.00	AT 6000		
KHOU:RWY 13B									
Runway Transition									
HNTRR	292810.22N / 0955242.41W	Y		IF			8000B10000		
AWSTN	293454.81N / 0953149.24W	Y	FB	TF	069.65	19.42	AT/BELOW 7000	AT 210K	
VILLI	293740.49N / 0952312.28W	Y	FB	TF	069.82	08.00	AT 6000		
MAAHH	293617.42N / 0950856.16W	Y	FO	TF	096.28	12.51	AT 6000		
KHOU:RWY 22									
Runway Transition									
HNTRR	292810.22N / 0955242.41W	Y		IF			8000B10000		

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AWSTN	293454.81N / 0953149.24W	Y	FB	TF	069.65	19.42	AT/BELOW 7000	AT 210K	
VILLI	293740.49N / 0952312.28W	Y	FB	TF	069.82	08.00	AT 6000		
RJAAY	293349.45N / 0951825.27W	Y	FO	TF	132.63	05.67	AT 6000		
KHOU:RWY 31B				FM	132.63				

