

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.

Arrival Name MARCS	Number TWO	STAR Computer Code MARCS.MARCS2	Superseded Number ONE	Dated 03/02/2017	Effective Date 17 APR 2025
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
WACO	ACT.MARCS2	ACT VORTAC	ACT VORTAC						
		ACT VORTAC	BLEWE	164.53 (ACT R-165)	27.39	13000	3600		
		BLEWE	CWK VORTAC	192.39 (CWK R-012)	52.33	6000	3600		
BLEWE	BLEWE.MARCS2	CWK VORTAC	MARCS	205.02 (CWK R-205)	33.55	5000	2800		MARCS AT 13000
		BLEWE	BLEWE						
		BLEWE	CWK VORTAC	192.39 (CWK R-012)	52.33	6000	3600		
COLLEGE STATION	CLL.MARCS2	CWK VORTAC	MARCS	205.02 (CWK R-205)	33.55	5000	2800		MARCS AT 13000
		CLL VORTAC	CLL VORTAC						
		CLL VORTAC	CWK VORTAC	249.02 & 250.45 (CLL R-249 & CWK R-070)	59.07	6000	2800		
CENTEX	CWK.MARCS2	CWK VORTAC	MARCS	205.02 (CWK R-205)	33.55	5000	2800		MARCS AT 13000
		CWK VORTAC	CWK VORTAC						
WINDU	WINDU.MARCS2	WINDU	WINDU						
		WINDU	BLEWE	192.39 (CWK R-012)	20.39	13000	3600		
		BLEWE	CWK VORTAC	192.39 (CWK R-012)	52.33	6000	3600		
		CWK VORTAC	MARCS	205.02 (CWK R-205)	33.55	5000	2800		MARCS AT 13000

ARRIVAL ROUTE DESCRIPTION:

- LANDING SAT RWY 4: FROM MARCS ON SAT R-055.99 TO CROSS BRAUN AT OR ABOVE 6000, THEN ON HEADING 215.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.
- LANDING SAT RWY 13R: FROM MARCS ON SAT R-055.99 TO CROSS CRISS AT OR ABOVE 6000, THEN ON HEADING 300.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.
- LANDING SAT RWY 22: FROM MARCS ON SAT R-055.99 TO CROSS BRAUN AT OR ABOVE 6000, THEN ON HEADING 270.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.
- LANDING SAT RWY 31L/R: FROM MARCS ON SAT R-055.99 TO CROSS TROOP AT OR ABOVE 6000, THEN ON HEADING 140.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.
- LANDING RND/SKF/SSF: FROM MARCS ON SAT R-055.99 TO CROSS CRISS AT OR ABOVE 6000, THEN ON HEADING 263.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
MARCS	TWO	MARCS.MARCS2	ONE	03/02/2017	17 APR 2025

PBN REQUIREMENT NOTES:

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: CLL TRANSITION, ATC ASSIGNED ONLY.

NOTE: CWK TRANSITION FOR WACO OR GRAY TERMINAL AREA DEPARTURES ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CWK VORTAC: HOLD N, RT, 192.39 INBOUND.

CHART HOLDING AT MARCS: HOLD NE, RT, 235.99 INBOUND.

COMMUNICATIONS:

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
SAT	SAN ANTONIO	TX
SKF	SAN ANTONIO	TX
SSF	SAN ANTONIO	TX
RND	UNIVERSAL CITY	TX

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

ADDITIONAL FLIGHT DATA:

CHART AT BRAUN TERMINUS: SAT LDG RWY 4, 22.

CHART AT CRISS TERMINUS: SAT LDG RWY 13R.

CHART AT TROOP TERMINUS: SAT LDG 31L/R.

CHART AT CRISS TERMINUS: LDG RND, SKF, AND SSF.

CHART: I-ANT LOCALIZER.

CHART: I-SAT LOCALIZER.

CHART: I-IZR LOCALIZER.



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MARCS	TWO	MARCS.MARCS2	ONE	03/02/2017	17 APR 2025

FLIGHT INSPECTED BY:

NICHOLAS A VARNER

ORGANIZATION:

AJF

DATE:

12/22/2024

Flight Inspected Signature:

Digitally signed by

CASIMIR L TABAKA

Jan 10, 2025

DEVELOPED BY:

JOSEPH L. ZEDER (SILVIA YOUNG)

AJV-A432

08/12/2024

Developed By Signature:

Digitally signed by

CASIMIR L TABAKA

Jan 10, 2025

Digitally signed by

CASIMIR L TABAKA

Jan 10, 2025

APPROVED BY:

JOSEPH L. ZEDER

AJV-A432

Approved By Signature:

CHANGES:

1. REMOVED LFK AND IDU EN ROUTE TRANSITIONS WITH ASSOCIATED NOTES.
2. REMOVED FIX CRAYS AND ASSOCIATED HOLDING PATTERN.
3. ADDED CLL EN ROUTE TRANSITION AND NOTE "CLL TRANSITION, ATC ASSIGNED ONLY."
4. ADDED BLEWE EN ROUTE TRANSITION.
5. REVISED ALL ARRIVAL ROUTE DESCRIPTIONS.
6. ADDED NOTE "CWK TRANSITION FOR WACO OR GRAY TERMINAL AREA DEPARTURES ONLY."
7. ADDED HOLDING AT CWK VORTAC AND MARCS.
8. MOVED "RADAR REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES.
9. ENROUTE TRANSITION MEAS UPDATED AND ADDED MOCAS.
10. REMOVED NOTE "TURBOJET VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT CLEARANCE TO CROSS MARCS AT 13000 FEET."
11. ADDED TERMINUS DATA IN ADDITIONAL FLIGHT DATA.
12. REMOVED AIRPORT NAMES FROM AIRPORTS SERVED ALONG WITH K IDENT ON 17.1 FORM.
13. REMOVED "SAT APP CON" AND "ATIS: RND, SAT, SKF, SSF" FROM COMMUNICATIONS.
14. MOVED LOCALIZER ANTENNA DATA FROM FIXES AND/OR HOLDING PATTERNS TO ADDITIONAL FLIGHT DATA.
15. REMOVED "CHART: COP LFK/70 DME AND IDU/50 DME" FROM ADDITIONAL FLIGHT DATA.
16. ADDED "AT 13000" CROSSING RESTRICTION AT MARCS.

REASONS:

- 1-2. IDU VOR MON.
- 3-7. ATC REQUEST.
- 8-9,12, 14. PER 8260.19J DOCUMENTATION STANDARDS.
10. PER 8260.19J, PARA 4-5-2E NOTE.
11. PER 8260.19J, PARA 4-5-2H(2).
13. NOW AUTO-CHARTED.
15. NO LONGER REQUIRED.
16. PER ATC REQUEST.



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Graphic Depiction 1

