



To: Flight Procedures & Airspace Group (AFS-420)

September 18, 2024

LAJITAS INTERNATIONAL AIRPORT (T89) LAJITAS, TX RNAV (GPS) Y RWY 25, ORIG is submitted for processing and submission to AMC-AJV-IFP-ProdCoordTeam@faa.gov and 9-AMC-AJW-TL@faa.gov for publication. Request publication in the {**NOVEMBER 28, 2024**} Terminal Procedures Publication.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tony Lawson', is written in a cursive style.

Tony Lawson
Chief Designer
Hughes Aerospace Corporation
Mobile: 405.642.9740
Tony.Lawson@hughesaerospace.com

Enclosures:

TX_T89_MARFA TWO (RNAV) DEPARTURE_F
TX_T89_MARFA TWO (RNAV) DEPARTURE_S
TX_T89_MARFA TWO (RNAV) DEPARTURE_8260-2
TX_T89_MARFA TWO (RNAV) DEPARTURE_AFS
ARI CODING FILE

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
OBSTACLE ASSESSMENT CHECKLIST**

1. DATE <u>8/24/2022</u>	2. ORGANIZATION <u>HUGHES AEROSPACE CORPORATION</u>	
3. AIRPORT <u>T89</u>	4. PROCEDURE <u>MARFA ONE DEPARTURE (RNAV)</u>	5. AMEND # <u>ORIG</u>
6. AIRCRAFT TYPE <u>TBM850</u>	7. FMS / SOFTWARE <u>GTN 750 Version 6.5.2</u>	
8. PIC NAME / PHONE <u>BEN ANDERSON 281-655-3330</u>	9. EVALUATOR NAME / PHONE <u>CHRIS BAUR 281-655-3330</u>	

TERPS BIENNIAL REVIEW	
31. BIENNIAL <u>NA</u>	32. DATE BIENNIAL COMPLETE _____
OBSTACLE ASSESSMENT TASKS	
33. EQUIPMENT ACCURACY VERIFIED <u>YES</u>	
IAP SEGMENT CHECKS	
TRANS _____ 34. DOCUMENTED CONTROLLING OBSTACLE VERIFIED _____ 35. CONTROLLING OBSTACLE MOST ADVERSE _____	
FINAL 34. DOCUMENTED CONTROLLING OBSTACLE VERIFIED _____ 35. CONTROLLING OBSTACLE MOST ADVERSE _____	
MISSED APPROACH 34. DOCUMENTED CONTROLLING OBSTACLE VERIFIED _____ 35. CONTROLLING OBSTACLE MOST ADVERSE _____	
HOLDING 34. DOCUMENTED CONTROLLING OBSTACLE VERIFIED _____ 35. CONTROLLING OBSTACLE MOST ADVERSE _____	
IAP VISUAL SEGMENT	
VISUAL SEGMENT OR COPTER PROCEED VISUALLY/VFR AREA 36. VERIFIED CLEAR _____ 37. APPROPRIATE MITIGATIONS IN PLACE IF NOT CLEAR _____	

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
OBSTACLE ASSESSMENT CHECKLIST**

STAR SEGMENT CHECKS

EN ROUTE TRANS _____

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

35. CONTROLLING OBSTACLE MOST ADVERSE _____

COMMON ROUTE

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

35. CONTROLLING OBSTACLE MOST ADVERSE _____

RWY TRANS _____

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

35. CONTROLLING OBSTACLE MOST ADVERSE _____

DEPARTURE SEGMENT CHECKS

ICA OR COPTER PROCEED VISUALLY

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

YES

36. VERIFIED CLEAR _____

YES

35. CONTROLLING OBSTACLE MOST ADVERSE _____

YES

37. APPROPRIATE MITIGATIONS IN PLACE IF
NOT CLEAR _____

NA

RWY TRANS FONOS _____

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

YES

36. VERIFIED CLEAR _____

YES

35. CONTROLLING OBSTACLE MOST ADVERSE _____

YES

37. APPROPRIATE MITIGATIONS IN PLACE IF
NOT CLEAR _____

NA

COMMON ROUTE

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

YES

35. CONTROLLING OBSTACLE MOST ADVERSE YES _____

TRANS MRF _____

34. DOCUMENTED CONTROLLING OBSTACLE
VERIFIED _____

YES

35. CONTROLLING OBSTACLE MOST ADVERSE YES _____

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
OBSTACLE ASSESSMENT CHECKLIST**

OBSTRUCTION DISCREPENCIES

38. OBSTACLE IN DATABASE DOES NOT EXIST

OBSTACLE ID _____	HEIGHT MSL/AGL _____
COORDINATES _____	SUPPORTING DOC _____

39. OBSTACLE NOT IN DATABASE

OBSTACLE ID _____	HEIGHT MSL/AGL _____
COORDINATES _____	SUPPORTING DOC _____

40. OBSTACLE DATA INCORRECT

OBSTACLE ID _____	HEIGHT MSL/AGL _____
COORDINATES _____	SUPPORTING DOC _____

OBSTRUCTION NOTIFICATION

41. OBSTACLE DATA DISCREPENCIES SENT TO NFDC _____	42. DATE SENT _____
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51. EVALUATOR NOTES

ZAB - COMMS ABV 9500' ADS-B ABV 8600' 14NM WEST OF T89

53. PROCEDURE NA _____

54. EVALUATOR SIGNATURE Chris Baur

Digitally signed by Chris Baur
Date: 2022.09.11 13:40:02 -05'00'

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
FLIGHT VALIDATION CHECKLIST**

1. DATE 08/24/2022	2. ORGANIZATION HUGHES AEROSPACE CORPORATION	
3. AIRPORT T89	4. PROCEDURE MARFA ONE DEPARTURE (RNAV)	5. AMEND # ORIG
6. AIRCRAFT TYPE TBM850	7. FMS / SOFTWARE GTN 750 Version 6.52	
8. PIC NAME / PHONE CHRIS BAUR 281-655-3330	9. EVALUATOR NAME / PHONE CHRIS BAUR 281-655-3330	

FLIGHT VALIDATION TASKS			
10. FMS NAV DATA AND SOURCE COMPARISON SAT	YES	43. SIMULATOR AND OBSTACLE NOTES REVIEWED	YES
11. IAP ASSESSED TO DA / MDA	NO	44. AIR / GROUND COMMUNICATIONS SATISFACTORY	NO
12. DP / MISSED APPROACH ASSESSED AT MINIMUM CLIMB GRADIENTS	YES	45. RADAR COVERAGE ADEQUATE	YES
15. FLYABILITY SATISFACTORY	YES	46. ADEQUATE NAVIGATION PERFORMANCE ACHIEVED	YES
33. EQUIPMENT ACCURACY VERIFIED	YES	47. RUNWAY MARKINGS / FEATURES VERIFIED	YES
35. DOCUMENTED CONTROLLING OBSTACLE MOST ADVERSE	YES	48. FAS DATA BLOCK SATISFACTORY	NO

CHARTING CHECKLIST			
16. CHART DETAIL SATISFACTORY	YES	20. TEMPERATURE LIMIT NOTED	NO
17. RNP < 1.0 IN MISSED APPROACH NOTED	NO	21. AIRCRAFT SIZE NOTED	YES
18. NON-STANDARD SPEED / CLIMB NOTED	YES	22. CHART MATCHES FLIGHT TRACK	YES
19. RF LEGS NOTED	NO		

IAP SEGMENT CHECKS			
TRANS 24. COURSES 28. CONSTRAINTS MET 25. DISTANCES 29. WIND COMP 27. TAWS 30. RF BANK ANGLE			

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
FLIGHT VALIDATION CHECKLIST**

FINAL

24. COURSES _____	25. DISTANCES _____	26. FPA _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____	

MISSED APPROACH

24. COURSES _____	25. DISTANCES _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____

HOLDING

24. COURSES _____	25. DISTANCES _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____

49. VISUAL SEGMENT _____	50. NIGHT EVALUATION _____
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STAR SEGMENT CHECKS

EN ROUTE TRANS

24. COURSES _____	25. DISTANCES _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____

COMMON ROUTE

24. COURSES _____	25. DISTANCES _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____

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RWY TRANS

24. COURSES _____	25. DISTANCES _____	27. TAWS _____
28. CONSTRAINTS MET _____	29. WIND COMP _____	30. RF BANK ANGLE _____

DEPARTURE SEGMENT CHECKS

ICA OR COPTER PROCEED VISUALLY

24. COURSES P _____	25. DISTANCES P _____	27. TAWS P _____
28. CONSTRAINTS MET YES _____	29. WIND COMP _____	30. RF BANK ANGLE NA _____

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
FLIGHT VALIDATION CHECKLIST**

RWY TRANS **RWY 07**

24. COURSES	P	25. DISTANCES	P	27. TAWS	P
28. CONSTRAINTS MET	YES	29. WIND COMP	050@ 18 KTS	30. RF BANK ANGLE	NA

COMMON ROUTE

24. COURSES	P	25. DISTANCES	P	27. TAWS	P
28. CONSTRAINTS MET	YES	29. WIND COMP	310@11 KTS	30. RF BANK ANGLE	NA

TRANS **MRF**

24. COURSES	P	25. DISTANCES	P	27. TAWS	P
28. CONSTRAINTS MET	YES	29. WIND COMP	260@ 19 KTS	30. RF BANK ANGLE	NA

51. EVALUATOR NOTES

ZAB - COMMS ABV 9500' ADS-B ABV 8600' 14NM WEST OF T89

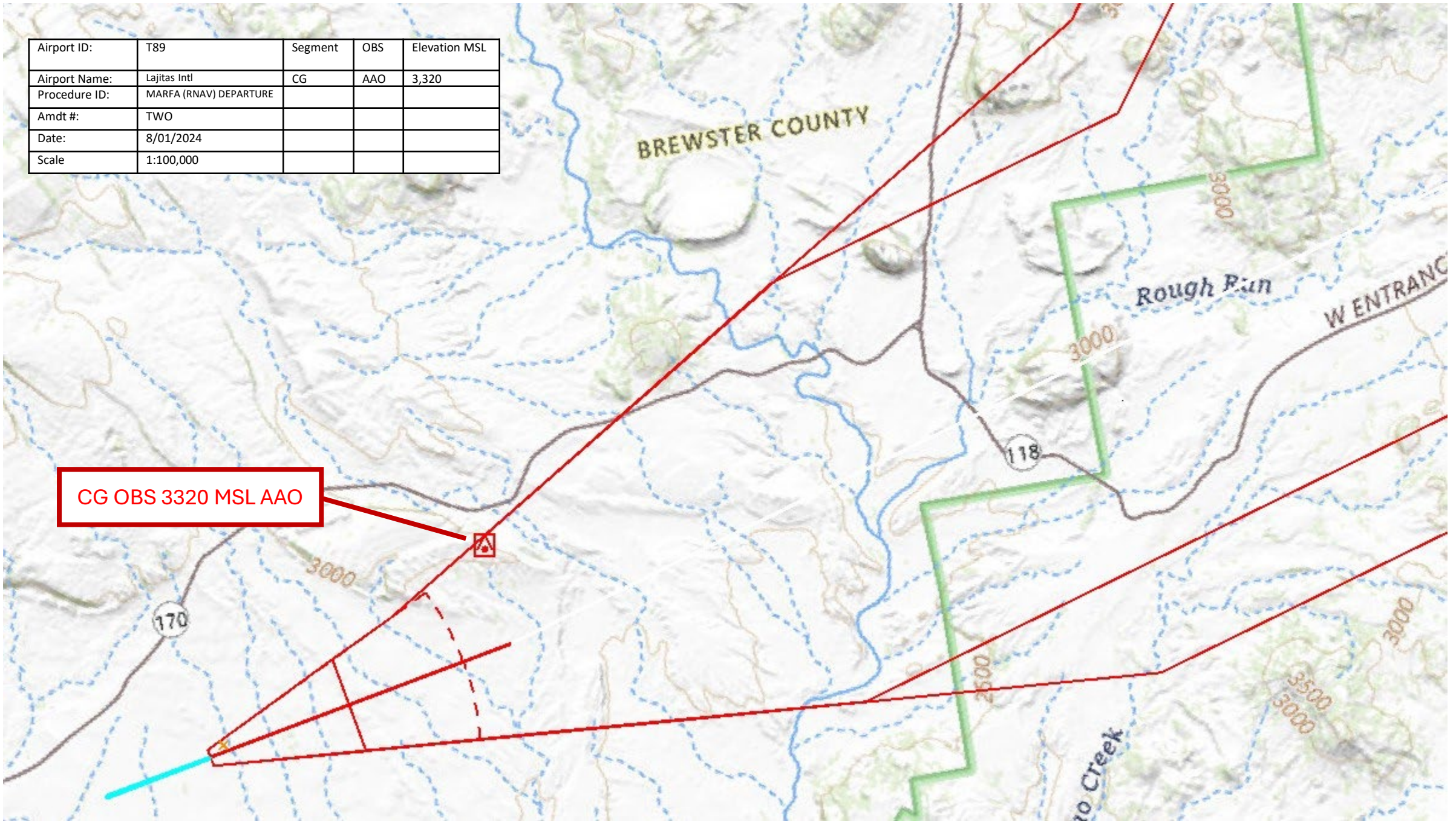
SPECIAL TRAINING RECOMMENDATION FROM DEVELOPER

53. PROCEDURE NA

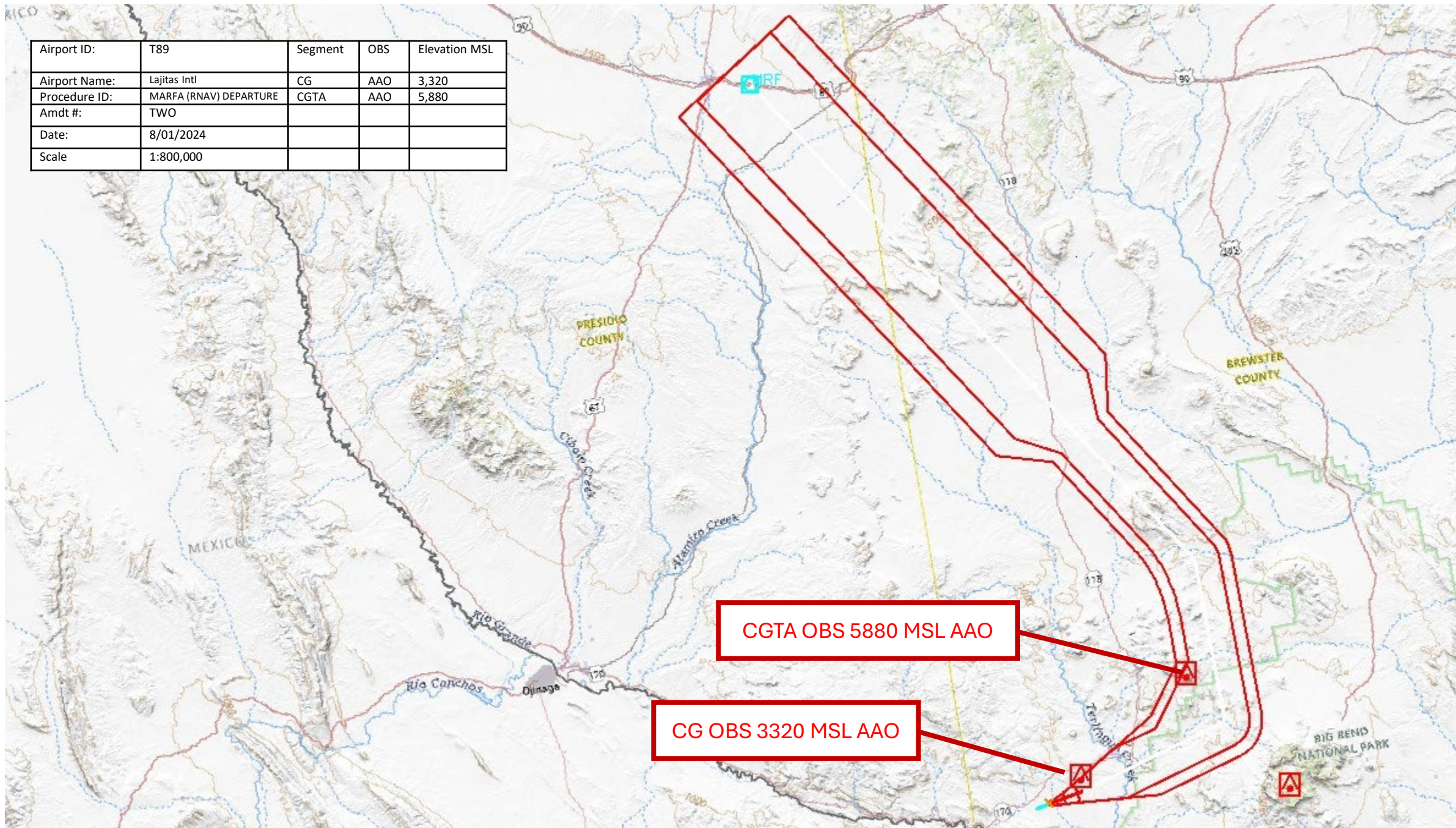
54. EVALUATOR SIGNATURE **Chris Baur**

Digitally signed by Chris Baur
Date: 2022.08.25 21:51:59 -05'00'

Airport ID:	T89	Segment	OBS	Elevation MSL
Airport Name:	Lajitas Intl	CG	AAO	3,320
Procedure ID:	MARFA (RNAV) DEPARTURE			
Amdt #:	TWO			
Date:	8/01/2024			
Scale	1:100,000			



Airport ID:	T89	Segment	OBS	Elevation MSL
Airport Name:	Lajitas Intl	CG	AAO	3,320
Procedure ID:	MARFA (RNAV) DEPARTURE	CGTA	AAO	5,880
Amdt #:	TWO			
Date:	8/01/2024			
Scale	1:800,000			



PROTOTYPE - NOT FOR NAVIGATION

(MARFA2.MRF)

MARFA TWO DEPARTURE (RNAV)

LAJITAS INTL

(T89)

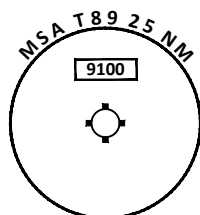
LAJITAS, TEXAS

RNAV 1 - GPS.

TOP ALTITUDE:
Assigned By ATC

ALBUQUERQUE CENTER
135.875 / 292.15

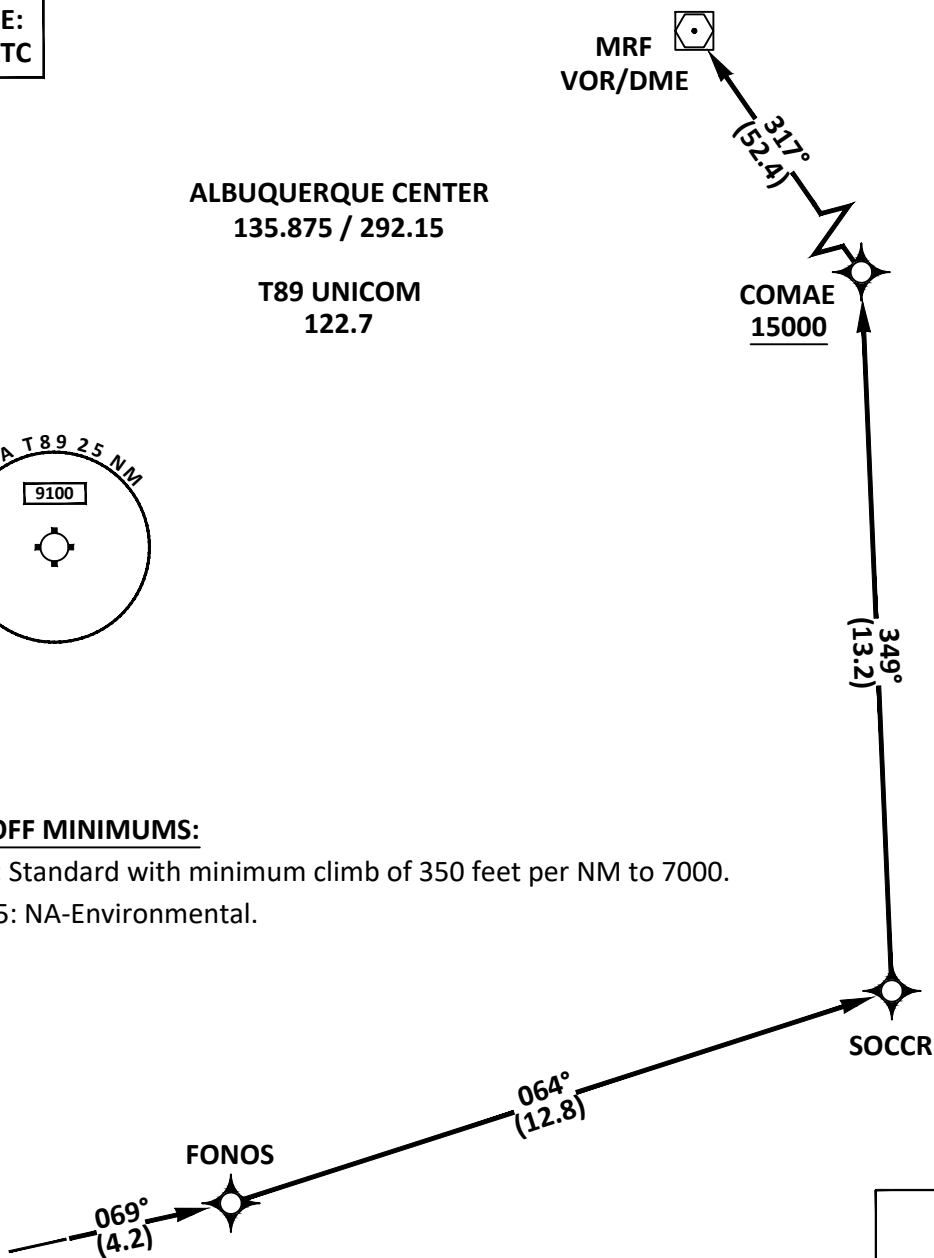
T89 UNICOM
122.7



TAKEOFF MINIMUMS:

Rwy 7: Standard with minimum climb of 350 feet per NM to 7000.

Rwy 25: NA-Environmental.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 7: Climb on course 069° to FONOS, then on track 064° to SOCCR, then on track 349° to cross COMAE at or above 15000, then on track 317° to MRF VOR/DME.

MARFA TWO DEPARTURE (RNAV)

(MARFA2.MRF) FIG

LAJITAS, TEXAS

LAJITAS INTL

(T89)