

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MMALT	SEVEN	MMALT7.MMALT	SIX	08/10/2023	<b>30 NOV 2023</b>

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**CONROE-NORTH HOUSTON RGNL (KCXO)**

TAKEOFF RWY 1: CLIMB ON HEADING 012.17 TO 760, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 14: CLIMB ON HEADING 140.48 TO 760, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 19: CLIMB ON HEADING 192.17 TO 760, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 32: CLIMB ON HEADING 320.49 TO 760, FOR RADAR VECTORS TO MMALT, THENCE...

**RWJ AIRPARK (54T)**

TAKEOFF RWY 8: CLIMB ON HEADING 084.03 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 26: CLIMB ON HEADING 264.03 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**CLEVELAND MUNI (6R3)**

TAKEOFF RWY 16: CLIMB ON HEADING 156.75 TO 1400, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 34: CLIMB ON HEADING 336.75 TO 2000, FOR RADAR VECTORS TO MMALT, THENCE...

**WHARTON RGNL (KARM)**

TAKEOFF RWY 14: CLIMB HEADING 147.80 TO 600 FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 32: CLIMB HEADING 327.81 TO 600 FOR RADAR VECTORS TO MMALT, THENCE...

**HOUSTON-SOUTHWEST (KAXH)**

TAKEOFF RWY 9: CLIMB ON HEADING 089.24 TO 2000, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 27: CLIMB ON HEADING 269.24 TO 2200, FOR RADAR VECTORS TO MMALT, THENCE...

**BAY CITY RGNL (KBYY)**

TAKEOFF RWY 13: CLIMB HEADING 130.57 TO 560 FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 31: CLIMB HEADING 310.57 TO 560 FOR RADAR VECTORS TO MMALT, THENCE...

**DAVID WAYNE HOOKS MEMORIAL (KDWH)**

TAKEOFF RWY 17R: CLIMB ON HEADING 167.76 TO 660, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 35L: CLIMB ON HEADING 347.76 TO 660, FOR RADAR VECTORS TO MMALT, THENCE...

**ELLINGTON (KEFD)**

TAKEOFF RWY 4: CLIMB ON HEADING 038.85 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 17L: CLIMB ON HEADING 173.85 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 17R: CLIMB ON HEADING 173.84 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 22: CLIMB ON HEADING 218.86 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 35L: CLIMB ON HEADING 353.84 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 35R: CLIMB ON HEADING 353.85 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**SCHOLES INTL AT GALVESTON (KGLS)**

TAKEOFF RWY 14: CLIMB ON HEADING 138.11 TO 520, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 18: CLIMB ON HEADING 178.86 TO 520, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 32: CLIMB ON HEADING 318.12 TO 520, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 36: CLIMB ON HEADING 358.86 TO 520, FOR RADAR VECTORS TO MMALT, THENCE...

QUALITY  
20  
CHECKED

**BAYTOWN (KHPY)**  
TAKEOFF RWY 14: CLIMB ON HEADING 139.75 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 32: CLIMB ON HEADING 319.75 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**WEST HOUSTON (KIWS)**  
TAKEOFF RWY 15: CLIMB ON HEADING 149.68 TO 620, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 33: CLIMB ON HEADING 329.68 TO 620, FOR RADAR VECTORS TO MMALT, THENCE...

**TEXAS GULF COAST RGNL (KLBX)**  
TAKEOFF RWY 17: CLIMB ON HEADING 174.93 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 35: CLIMB ON HEADING 354.93 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**PEARLAND RGNL (KLVJ)**  
TAKEOFF RWY 14: CLIMB ON HEADING 141.67 TO 1600, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 32: CLIMB ON HEADING 321.67 TO 900, FOR RADAR VECTORS TO MMALT, THENCE...

**SUGAR LAND RGNL (KSGR)**  
TAKEOFF RWY 17: CLIMB ON HEADING 170.28 TO 1500, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 35: CLIMB ON HEADING 350.28 TO 1100, FOR RADAR VECTORS TO MMALT, THENCE...

**CHAMBERS COUNTY (T00)**  
TAKEOFF RWY 12: CLIMB ON HEADING 123.74 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 30: CLIMB ON HEADING 303.74 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**LA PORTE MUNI (T41)**  
TAKEOFF RWY 5: CLIMB ON HEADING 046.34 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 12: CLIMB ON HEADING 121.17 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 23: CLIMB ON HEADING 226.35 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 30: CLIMB ON HEADING 301.18 TO 540, FOR RADAR VECTORS TO MMALT, THENCE...

**LIBERTY MUNI (T78)**  
TAKEOFF RWY 16: CLIMB ON HEADING 160.77 TO 1700, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 34: CLIMB ON HEADING 340.78 TO 1000, FOR RADAR VECTORS TO MMALT, THENCE...

**HOUSTON EXECUTIVE (KTME)**  
TAKEOFF RWY 18: CLIMB ON HEADING 175.25 TO 680, FOR RADAR VECTORS TO MMALT, THENCE...  
TAKEOFF RWY 36: CLIMB ON HEADING 355.25 TO 680, FOR RADAR VECTORS TO MMALT, THENCE...

...ON TRACK 085.67 TO MOOKI, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
GUSTI	MMALT7.GUSTI	MOOKI	JAAYE	TRACK 086.32	15.12	10600	3100	
		JAAYE	SPINY	TRACK 086.95	14.46	12000	1700	
		SPINY	GUSTI	TRACK 077.95	59.59	12000	1500	
LAKE CHARLES	MMALT7.LCH	MOOKI	HOURN	TRACK 059.39	17.73	8200	3100	



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MMALT		SEVEN	MMALT7.MMALT	SIX	08/10/2023	<b>30 NOV 2023</b>	
	HOURN		BLING	TRACK 077.03	15.05	10600	1600
	BLING		LCH VORTAC	TRACK 076.82	47.97	12000	1700
WHITE LAKE	MMALT7.LLA	MOOKI	YOKEM	TRACK 117.10	16.59	8000	3100
	YOKEM		SBI VOR/DME	TRACK 092.24	16.04	10600	1300
	SBI VOR/DME		LLA VOR/DME	TRACK 085.51	87.00	12000	1700

**PROCEDURAL DATA NOTES:**

NOTE: GUSTI AND LCH TRANSITIONS ATC ASSIGNED ONLY FOR AIRCRAFT DEPARTING AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41 AND 54T.

**PBN REQUIREMENTS NOTES:**

RNAV 1 - DME/DME/IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

**CONROE-NORTH HOUSTON RGNL (KCXO)**

RWY 1, 14, 19, 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 760.

**RWJ AIRPARK (54T)**

RWY 14, 32: NA - ENVIRONMENTAL.

RWY 8, 26: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**CLEVELAND MUNI (6R3)**

RWY 16: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 660.

RWY 34: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1000.

**WHARTON RGNL (KARM)**

RWY 14, 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 600.

**HOUSTON-SOUTHWEST (KAXH)**

RWY 9, 27: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 580.

**BAY CITY RGNL (KBYY)**

RWY 13, 31: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 560.

**DAVID WAYNE HOOKS MEMORIAL (KDWH)**

RWY 17L, 35R: NA-ENVIRONMENTAL.

WATERWAY 17, 35 NA-AIR TRAFFIC.

RWY 17R, 35L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 660.

**ELLINGTON (KEFD)**

RWY 4, 17L, 17R, 22, 35L, 35R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**SCHOLES INTL AT GALVESTON (KGLS)**

RWY 14, 18, 32, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

QUALITY  
20  
CHECKED

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**BAYTOWN (KHPY)**

RWY 14, 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**WEST HOUSTON (KIWS)**

RWY 15, 33: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 620.

**TEXAS GULF COAST RGNL (KLBX)**

RWY 17, 35: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**PEARLAND RGNL (KLVJ)**

RWY 14, 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 560.

**KSUGAR LAND RGNL (KSGR)**

RWY 17, 35: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 600.

**CHAMBERS COUNTY (T00)**

RWY 17, 35: NA-ENVIRONMENTAL.

RWY 12, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**LA PORTE MUNI (T41)**

RWY 5, 12, 23, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 540.

**LIBERTY MUNI (T78)**

RWY 16, 34: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 580.

**HOUSTON EXECUTIVE (KTME)**

RWY 18, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 680.

**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:**

**CLEVELAND MUNI (6R3)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 16: 2049 FT MSL TOWER 301351.00N/0950726.00W. RWY 34: 2049 FT MSL TOWER 303207.00N/0950105.00W.

**HOUSTON-SOUTHWEST (KAXH)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 9, 27: 2049 FT MSL TOWERS 293341.00N/0953005.00W.

**ELLINGTON (KEFD)**

RWY 22: 192 FT MSL WATER TOWER 293521.00N/0951048.09W.

**SCHOLES INTL AT GALVESTON (KGLS)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 32: 2013 FT MSL TOWER 291800.65N/0950640.27W.

**BAYTOWN (KHPY)**

RWY 14: 180 FT MSL TOWER 294613.50N/0945637.80W.

**PEARLAND RGNL (KLVJ)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 14, 32: 1200 FT MSL TOWER 292757.00N/0951324.00W.

**SUGAR LAND RGNL (KSGR)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 17: 2049 FT MSL TOWER 293415.70N/0953038.30W. RWY 35: 2049 FT MSL TOWER 293435.00N/0953037.00W.

QUALITY  
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CHECKED

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#### **LA PORTE MUNI (T41)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 05: 334 FT MSL STACK 294201.00N/0950211.00W. RWY 12: 499 FT MSL STACK 293747.00N/0950316.00W. RWY 30: 584 FT MSL TOWER 294253.26N/0950540.31W.

#### **LIBERTY MUNI (T78)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 16: 2049 FT MSL TOWER 300102.20N/0943247.89W, 2042 FT MSL TOWER 300306.00N/0943138.00W, 2040 FT MSL TOWER 295609.78N/0943039.38W. RWY 34: 2049 FT MSL TOWER 300102.20N/0943247.89W, 2042 FT MSL TOWER 300306.00N/0943138.00W.

#### **HOUSTON EXECUTIVE (KTME)**

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 36: 546 FT MSL TOWER 295050.00N/0955259.00W

#### **MSA:**

KCXO: MSA FROM ARP KCXO, 3100.  
54T: MSA FROM ARP 54T, 3100.  
6R3: MSA FROM ARP 6R3, 3100.  
KARM: MSA FROM ARP KARM, 2600.  
KAXH: MSA FROM ARP KAXH, 3100.  
KBYY: MSA FROM ARP KBYY, 2600.  
KDWH: MSA FROM ARP KDWH, 3100.  
KEFD: MSA FROM ARP KEFD, 3100.  
KGLS: MSA FROM ARP KGLS, 3100.  
KHPY: MSA FROM ARP KHPY, 3100.  
KIWS: MSA FROM ARP KIWS, 3100.  
KLBX: MSA FROM ARP KLBX, 3100.  
KLVJ: MSA FROM ARP KLVJ, 3100.  
KSGR: MSA FROM ARP KSGR, 3100.  
T00: MSA FROM ARP T00, 3100.  
T41: MSA FROM ARP T41, 3100.  
T78: MSA FROM ARP T78, 3100.  
KTME: MSA FROM ARP KTME, 3100.

#### **LOST COMMUNICATIONS PROCEDURES:**

#### **ADDITIONAL FLIGHT DATA:**

AIRPORT MV: KCXO (P) 5E/2000, 54T 5E/1985, 6R3 5E/1995, KARM 3E/2020, KAXH 5E/2000, KBYY 3E/2020, KDWH 5E/2000, KEFD 5E/2000, KGLS 2E/2015, KHPY 3E/2010, KIWS 5E/1995, KLBX 5E/2000, KLVJ 3E/2015, KSGR 5E/2000, T00 5E/1995, T41 5E/1990, T78 5E/1995, KTME 4E/2010.

DME/DME ASSESSMENT: SAT (RNP 2.0)

CONROE-NORTH HOUSTON RGNL (KCXO) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
RWJ AIRPARK (54T) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
CLEVELAND MUNI (6R3) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
WHARTON RGNL (KARM) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
HOUSTON-SOUTHWEST (KAXH) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
BAY CITY RGNL (KBYY) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
DAVID WAYNE HOOKS MEMORIAL (KDWH) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
ELLINGTON (KEFD) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
SCHOLLES INTL AT GALVESTON (KGLS) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
BAYTOWN (KHPY) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
WEST HOUSTON (KIWS) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
TEXAS GULF COAST RGNL (KLBX) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
PEARLAND RGNL (KLVJ) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
SUGAR LAND RGNL (KSGR) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
CHAMBERS COUNTY (T00) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.

QUALITY  
20  
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MMALT	SEVEN	MMALT7.MMALT	SIX	08/10/2023	<b>30 NOV 2023</b>

LA PORTE MUNI (T41) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
LIBERTY MUNI (T78) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.  
HOUSTON EXECUTIVE (KTME) – CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART: MEA/MOCA FROM MMALT TO MOOKI, 4700/1600.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KCXO	HOUSTON	TX
54T	BAYTOWN	TX
6R3	CLEVELAND	TX
KARM	WHARTON	TX
KAXH	HOUSTON	TX
KBYY	BAY CITY	TX
KDWH	HOUSTON	TX
KEFD	HOUSTON	TX
KGLS	GALVESTON	TX
KHPY	BAYTOWN	TX
KIWS	HOUSTON	TX
KLBX	ANGLETON/LAKE JACKSON	TX
KLVJ	HOUSTON	TX
KSGR	HOUSTON	TX
T00	ANAHUAC	TX
T41	LA PORTE	TX
T78	LIBERTY	TX
KTME	HOUSTON	TX

**COMMUNICATIONS:**

KCXO: CHART: ATIS, AWOS/ASOS, CTAF, CLNC DEL, GND CON, ATCT.  
54T: CHART: CTAF.  
6R3: CHART: AWOS/ASOS, CTAF.  
KAXH: CHART: AWOS/ASOS, CTAF, CLNC DEL.



KDWH: CHART: ATIS, AWOS/ASOS, CTAF, CLNC DEL, GND CON, ATCT.  
KEFD: CHART: ATIS, AWOS/ASOS, GND CON, ATCT.  
KGLS: CHART: AWOS/ASOS, CTAF, CLNC DEL, GND CON, ATCT.  
KHPY: CHART: CTAF.  
KIWS: CHART: CTAF, CLNC DEL.  
KLBX: CHART: AWOS/ASOS, CTAF, CLNC DEL.  
KLVJ: CHART: AWOS/ASOS, CTAF, CLNC DEL.  
KSGR: CHART: AWOS/ASOS, CTAF, CLNC DEL, GND CON, ATCT  
T00: CHART: CTAF.  
T41: CHART: CTAF, CLNC DEL.  
T78: CHART: CTAF.  
KTME: CHART: AWOS/ASOS, CTAF, CLNC DEL.

FIXES AND/OR NAVAIDS:

REMARKS:  
FOR CONTINUITY, ON RUNWAYS WHERE 500 FT PER NM TO 500 FT ABOVE APT ELEV WAS NOT SUFFICIENT TO CLEAR DIVERSE A/B OBSTACLES, THE ALTITUDE OF THE TEXTUAL DEPARTURE PROCEDURE ON ODP WAS UTILIZED.

RUNWAY ENDS AT KT78, K6R3, KT00, KGLS, KLBX AND K54T ARE NOT LOCATED WITHIN THE EXTENDED MAXIMUM INTERCEPT ANGLES IAW FAA 8260.53, PARA 8.1.2. THE AIR TRAFFIC MANAGER OF HOUSTON TRACON HAS SUPPLIED A LETTER STATING, AND WILL ENSURE, CONTROLLERS ARE TRAINED AND CLEARLY UNDERSTAND THE DIMENSIONS OF THE PILOT NAVIGATION AREA AND WILL DIRECT THAT ALL AIRCRAFT DEPARTING KT78, K6R3, KT00, KGLS, KLBX AND K54T ON THE MMALT DEPARTURE (RNAV), WILL BE VECTORED IN A MANNER THAT WILL PLACE THEM WITHIN THE MAXIMUM INTERCEPT ANGLE EXTENDING FROM THE INITIAL DEPARTURE FIX.

ABBREVIATED AMENDMENT.

<u>FLIGHT INSPECTED BY</u>		<i>Digitally signed by</i> <b>MARK D ADAMS</b> Sep 25, 2023	<u>OFFICE</u>	<u>DATE</u>	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i> <b>ANA Y VEGA</b> Sep 07, 2023		<u>OFFICE</u>	<u>DATE</u>	
ANA VEGA			AJV-A412	08/07/2023	
<u>APPROVED BY</u>	<i>Digitally signed by</i> <b>MARK D ADAMS</b> Sep 25, 2023		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JULIE MORGAN			AJV-A410		MANAGER



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
MMALT						SEVEN	MMALT7.MMALT	SIX	08/10/2023	30 NOV 2023
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
MMALT	295212.75N/0944701.01W	Y	-	IF	-	-				
MOOKI	295206.07N/0943641.19W	Y	FB	TF	090.67	8.98				
MOOKI	295206.07N/0943641.19W	Y	-	IF	-	-			MMALT7.GUSTI	
JAAYE	295144.00N/0941918.00W	Y	FB	TF	091.32	15.12				
SPINY	295113.29N/0940240.80W	Y	FB	TF	091.95	14.46				
GUSTI	295815.34N/0925435.29W	Y	FB	TF	082.95	59.59				
MOOKI	295206.07N/0943641.19W	Y	-	IF	-	-			MMALT7.LCH	
HOURN	295945.76N/0941816.28W	Y	FB	TF	064.39	17.73				
BLING	300150.16N/0940105.75W	Y	FB	TF	082.03	15.05				
LCH VORTAC	300829.45N/0930620.05W	Y	FB	TF	081.82	47.97				
MOOKI	295206.07N/0943641.19W	Y	-	IF	-	-			MMALT7.LLA	
YOKEM	294315.00N/0942033.00W	Y	FB	TF	122.10	16.59				
SBI VOR/DME	294112.19N/0940216.72W	Y	FB	TF	097.24	16.04				
LLA VOR/DME	293947.61N/0922225.11W	Y	FB	TF	090.51	87.00				

QUALITY  
20  
CHECKED