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 statue miles or feet RVR unless otherwise indicated.

DP NAM	<u>//E</u>					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
MMALT						FOUR	MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV					
			\boxtimes		\boxtimes					

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 (K54T)

TAKEOFF RWY 8: CLIMB ON HEADING 084.03 TO 540 FOR RADAR VECTORS TO MMALT, THENCE... TAKEOFF RWY 14: CLIMB ON HEADING 142.55 TO 540 FOR RADAR VECTORS TO MMALT, THENCE... TAKEOFF RWY 26: CLIMB ON HEADING 264.03 TO 540 FOR RADAR VECTORS TO MMALT, THENCE... TAKOFF RWY 32: CLIMB ON HEADING 322.55 TO 540 FOR RADAR VECTORS TO MMALT, THENCE...

CLEVELAND MUNI (K6R3)

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...

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles of feet RVR unless otherwise indicated.										
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MMALT	FOUR	MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018					
SCHOLES INTL AT GALVESTON (KGLS)										
TAKEOFF RWY 14: CLIMB ON HEADING 138.11 TO 520 FOR RADAR VECTORS TO MM	IALT, THENCE									
TAKEOFF RWY 18: CLIMB ON HEADING 178.86 TO 520 FOR RADAR VECTORS TO MM	IALT, THENCE									
TAKEOFF RWY 32: CLIMB ON HEADING 318.12 TO 520 FOR RADAR VECTORS TO MM	IALT, THENCE									
TAKEOFF RWY 36: CLIMB ON HEADING 358.86 TO 520 FOR RADAR VECTORS TO MM	IALT, THENCE									
BAYTOWN (KHPY)										
TAKEOFF RWY 14: CLIMB ON HEADING 139.75 TO 540 FOR RADAR VECTORS TO MM	ALT THENCE									
TAKEOFF RWY 32: CLIMB ON HEADING 319.75 TO 540 FOR RADAR VECTORS TO MM	,									

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 (KT00)

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 (KT41)

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 (KT78)

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.

OUALITY 3 CHECKES

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

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DP NAME MMALT			<u>NUMBER</u> FOUR	DP COMPUTER CODE MMALT4.MMALT	SUPERSEDED NUME THREE	<u>BER</u>	DATED 06/22/2017	EFFECTIVE DATE 19 JUL 2018
TRANSITION ROUTES	(GRAPHIC DEPICTION ON	LY):						
TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	<u>TO</u> <u>FIX/NAVAID</u>	COURSE	DISTANCE	<u>MEA</u>	MOCA	CROSSING ALTITUDE/FIXES
GUSTI	MMALT4.GUSTI	ΜΟΟΚΙ	JAAYE	TRACK 086.32	2 15.12	10600	3100	
		JAAYE	SPINY	TRACK 086.95	5 14.46	12000	1700	
		SPINY	GUSTI	TRACK 077.95	5 59.59	12000	1500	
LAKE CHARLES	MMALT4.LCH	ΜΟΟΚΙ	HOURN	TRACK 059.39) 17.73	8200	3100	
		HOURN	BLING	TRACK 077.03	3 15.05	10600	1600	
		BLING	LCH VORTAC	TRACK 076.82	2 47.97	12000	1700	
WHITE LAKE	MMALT4.LLA	ΜΟΟΚΙ	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: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

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

TAKEOFF MINIMUMS:

CONROE-NORTH HOUSTON RGNL (KCXO)

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

RWJ AIRPARK (K54T)

RWY 8, 26 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540. RWY 14, 32 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540 - NA AT NIGHT.

CLEVELAND MUNI (K6R3)

RWY 16, 34 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 660.

WHARTON RGNL (KARM)

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



FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
MMALT	FOUR	MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018

HOUSTON-SOUTHWEST (KAXH)

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

BAY CITY RGNL (KBYY)

RWY 13, 31 STANDARD WITH MINIMUM CLIMB OF 500 FT PER 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 PER NM TO 660.

ELLINGTON (KEFD)

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

SCHOLES INTL AT GALVESTON (KGLS)

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

BAYTOWN (KHPY)

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

WEST HOUSTON (KIWS)

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

TEXAS GULF COAST RGNL (KLBX)

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

PEARLAND RGNL (KLVJ)

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

SUGAR LAND RGNL (KSGR)

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

CHAMBERS COUNTY (KT00)

RWY 17, 35 NA-ENVIRONMENTAL. RWY 12, 30 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

LA PORTE MUNI (KT41)

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

LIBERTY MUNI (KT78)

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

HOUSTON EXECUTIVE (KTME)

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

FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

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MMALT	FOUR	MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

CLEVELAND MUNI (K6R3)

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)

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)

RWY 17: 2049 FT MSL TOWER 293415.70N/0953038.30W. **RWY 35:** 2049 FT MSL TOWER 293435.00N/0953037.00W.

LA PORTE MUNI (KT41)

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 (KT78)

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)

RWY 36: 546 MSL TOWER 295050.00N/0955259.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KCXO 5E EPOCH YR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0)

CONROE-NORTH HOUSTON RGNL (KCXO) - CHART: TOP ALTITUDE: ASSIGNED BY ATC. RWJ AIRPARK (K54T) - CHART: TOP ALTITUDE: ASSIGNED BY ATC. CLEVELAND MUNI (K6R3) - CHART: TOP ALTITUDE: ASSIGNED BY ATC. WHARTON RGNL (KARM) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.



DP NAME

MMALT

05/15/2018

FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

GRAPHIC DEPARTURE PROCEDURES (DP)

DP COMPUTER CODE

MMALT4.MMALT

SUPERSEDED NUMBER

THREE

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NUMBER

FOUR

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. SCHOLES 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 (KT00) - CHART: TOP ALTITUDE: ASSIGNED BY ATC. LA PORTE MUNI (KT41) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.		
LIBERTY MUNI (KT78) - CHART: TOP ALTITUDE: ASSIGNED BY ATC. HOUSTON EXECUTIVE (KTME) - CHART: TOP ALTITUDE: ASSIGNED BY ATC.		
CHART: MEA/MOCA FROM MMALT TO MOOKI, 4700/1600.		
PILOT NAVIGATION AREA:		
10 NM ARC CENTERED ON MMALT (IF), CW FROM: POINT A (BEARING 041 DEGREES TO MMALT) TO: POINT B (BEARING 131 DEGREES TO MMALT) MINIMUM ATC ALTITUDE AT MMALT - 3000 MAXIMUM ATC ALTITUDE AT MMALT - 16000		
DEPARTURE FREQUENCIES: CXO/DWH/6R3/T78 - 119.7/281.4; AXH/IWS/SGR/TME - 123.8/257.7; EFD/GLS/H	IPY/LBX/LVJ/54T/T00/T41 - 134.45/284.0.	
AIRPORTS SERVED:		OTATE
AIRPORT NAME	CITY	STATE
CONROE-NORTH HOUSTON RGNL (KCXO)	HOUSTON	ТХ
RWJ AIRPARK (K54T)	BAYTOWN	ТХ
CLEVELAND MUNI (K6R3)	CLEVELAND	ТХ
WHARTON RGNL (KARM)	WHARTON	ТХ
HOUSTON-SOUTHWEST (KAXH)	HOUSTON	ТХ
BAY CITY RGNL (KBYY)	BAY CITY	ТХ
DAVID WAYNE HOOKS MEMORIAL (KDWH)	HOUSTON	ТХ
ELLINGTON (KEFD)	HOUSTON	ONALIZE TX
		CHIECKEP
FAA Form 8260-15B (09/15) Supersedes Previous Versions Electronic Version		Page 6 of 9

DATED

06/22/2017

EFFECTIVE DATE

19 JUL 2018

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE

GRAPHIC DEPARTURE PROCEDURES (DP)

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DP NAME MMALT	NUMBER FOUR	DP COMPUTER CODE MMALT4.MMALT	SUPERSEDED NUMBER THREE	DATED 06/22/2017	EFFECTIVE DATE	
SCHOLES INTL AT GALVESTON (KGLS)		GA	LVESTON		ТХ	
BAYTOWN (KHPY)		BA	AYTOWN		ТХ	
WEST HOUSTON (KIWS)		Н	OUSTON		ТХ	
TEXAS GULF COAST RGNL (KLBX)		ANGLETON/LAKE JACKSON				
PEARLAND RGNL (KLVJ)			ТХ			
SUGAR LAND RGNL (KSGR)			ТХ			
CHAMBERS COUNTY (KT00)		1A		ТХ		
LA PORTE MUNI (KT41)	LA PORTE				ТХ	
LIBERTY MUNI (KT78)		L		ТХ		
HOUSTON EXECUTIVE (KTME)		HOUSTON				

COMMUNICATIONS:

ATIS: EFD, CXO, DWH. AWOS/ASOS: CXO, EFD, DWH, SGR, AXH, TME, GLS, LBX, 6R3, LVJ. CTAF: CXO, DWH, SGR, AXH, TME, IWS, GLS, LBX, T41, 54T, 6R3, HPY, LVJ, T00, T78. CLNC DEL: CXO, DWH, SGR, AXH, TME, IWS, GLS, LBX, T41, LVJ. GND CON: EFD, CXO, DWH, SGR, GLS. TWR: EFD, CXO, DWH, SGR, GLS. DEP CON: CXO/DWH/6R3/T78 - 119.7/281.4 DEP CON: AXH/IWS/SGR/TME - 123.8/257.7 DEP CON: EFD/GLS/HPY/LBX/LVJ/54T/T00/T41 - 134.45/284.0 DEP CON: ARM/BYY - HOUSTON CENTER 128.6/360.8

FIXES AND/OR NAVAIDS:

FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

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MMALT	FOUR	MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018

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.

ABBREVIATED AMENDMENT; DOES NOT QUALIFY AS PERIODIC REVIEW.

FLIGHT INSPECTED BY: FLIGHT INSPECTION REVIEW MEMO, DEC 22, 2017	NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33)	Digitally signed by DION E LANCIA Feb 16, 2018	OFFICE SYMBOL:	DATE:
DEVELOPED BY: JOHN R. THORNTON	Digitally signed by JOHN R THORNTON		OFFICE SYMBOL: AJV-5423	<u>DATE</u> : 01/29/2018
JOHN R. THORNTON	Feb 12, 2018		AJV-3423	01/29/2018
APPROVED BY:	Digitally signed by DION E LANCIA		OFFICE SYMBOL:	DATE:
JULIE MORGAN	Feb 16, 2018		AJV-5420	
REQUIRED EFFECTIVE DATE:				
ROUTINE				

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	AOPA	APA	HAI	<u>NBAA</u>
\ge	\boxtimes	\boxtimes	\boxtimes		\boxtimes

OTHER:

ZHU ARTCC, HOU DEP CON, DWH ATCT, EFD ATCT, SGR ATCT, CXO ATCT. AMGR: 54T, 6R3, AXH, CXO, DWH, GLS, HPY, IWS, LBX, LVJ, SGR, T00, T41, T78, TME, EFD, ARM, BYY.

CHANGES - REASONS:

1. CHANGED NUMBER FROM THREE TO FOUR, CHANGED DP COMPUTER CODE FROM MMALT3.MMALT TO MMALT4.MMALT, CHANGED SUPERSEDED NUMBER FROM TWO TO THREE, CHANGED DATED FROM 01/08/2015 TO 06/22/2017 - ABBREVIATED AMENDMENT DUE TO KARM AIRPORT MAG VAR CHANGE FROM 6E TO 3E.

2. DP ROUTE DESCRIPTION: CHANGED ALL INSTANCES FROM "..., EXPECT RADAR VECTORS" TO "...FOR RADAR VECTORS" - IAW FAAO 8260.46F 2-1-1.G.

3. CHANGED WHARTON RGNL (KARM) DP ROUTE DESCRIPTION TAKEOFF RWY 14 FROM 144.80 TO 147.80 / TAKEOFF RWY 32 FROM 324.81 TO 327.81 - KARM MAG VAR CHANGED FROM 6E TO 3E.

4. CHANGED TRANSITION COMPUTER CODES FROM MMALT3.GUSTI TO MMALT4.GUSTI, FROM MMALT3.LCH TO MMALT4.LCH, AND FROM MMALT3.LLA TO MMALT4.LLA - ABBREVIATED AMENDMENT DUE TO KARM AIRPORT MAG VAR CHANGE FROM 6E TO 3E.

5. DELETED ALL TAKEOFF OBSTACLE NOTES AND ADDED "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" - IAW AJV-5 MEMO 259 DATED 27 DEC 2017, SUBJECT: IMPLEMENTATION OF AFS WAIVER FOR FAA ORDER 8260.46F, DEPARTURE PROCEDURE PROGRAM.

6. CHANGED REMARK FROM "ABBREVIATED AMENDMENT" TO "ABBREVIATED AMENDMENT; DOES NOT QUALIFY AS PERIODIC REVIEW" - AMENDMENT TO UPDATE KARM MAG VAR/AMENDMENT DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.

NFDD No. 094

05/15/2018

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE DEPARTURE (DATA RECORD)

						DEPAR	TURE (DATA	REC	CORD)			
DP NAME							NUMBER	DP C	OMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
MMALT							FOUR		MMALT4.MMALT	THREE	06/22/2017	19 JUL 2018
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUD	E	SPEED		REMARKS	
MMALT	295212.75N/0944701.01W	Y	-	IF	-	-						
ΜΟΟΚΙ	295206.07N/0943641.19W	Y	FB	TF	090.67	8.98						
МООКІ	295206.07N/0943641.19W	Y	-	IF	-	-				Ν	MMALT4.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	-	-					MMALT4.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						
ΜΟΟΚΙ	295206.07N/0943641.19W	Y	-	IF	-	-					MMALT4.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						

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