

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
WINCO	TWO	WINCO2.WINCO	ONE	09/28/2006	30 APR 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8L/9: CLIMB HEADING 092.37 TO 520, THEN LEFT TURN DIRECT SENOY, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 8R:** CLIMB HEADING 092.38 TO 520, THEN LEFT TURN DIRECT SENOY, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 12:** CLIMB HEADING 124.46 TO 520, THEN LEFT TURN DIRECT SENOY, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 26R:** CLIMB HEADING 272.38 TO 520, THEN RIGHT TURN DIRECT OHOFO, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 26L:** CLIMB HEADING 272.40 TO 520, THEN RIGHT TURN DIRECT OHOFO, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 27:** CLIMB HEADING 272.39 TO 520, THEN RIGHT TURN DIRECT OHOFO, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... **TAKEOFF RWY 30:** CLIMB HEADING 304.47 TO 520, THEN LEFT TURN DIRECT OHOFO, THEN VIA DEPICTED ROUTE TO WINCO, THENCE... MAINTAIN 5000 OR ATC ASSIGNED ALTITUDE. EXPECT FURTHER CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS; RWY 8L: 300-1 1/4 OR STANDARD WITH MINIMUM OBSTACLE CLIMB OF 382 FT PER NM TO 300, MINIMUM ATC CLIMB OF 500 FT PER NM TO 520. **RWY 8R/9:** STANDARD WITH MINIMUM ATC CLIMB OF 500 FEET PER NM TO 520. **RWY 12:** STANDARD WITH MINIMUM OBSTACLE CLIMB OF 229 FT PER NM TO 1200, MINIMUM ATC CLIMB OF 500 FEET PER NM TO 520. **RWY 26R/26L/27/30:** STANDARD WITH MINIMUM ATC CLIMB OF 300 FEET PER NM TO 520.

PROCEDURAL DATA NOTES; NOTE: TURBOJET AIRCRAFT ACCELERATE TO 250 KIAS, IF UNABLE, ADVISE ATC. **NOTE:** TURBOPROP AIRCRAFT MAINTAIN MAXIMUM FORWARD AIRSPEED AND CLIMB RATE. **NOTE:** DME/DME/IRU OR GPS REQUIRED. **NOTE:** RADAR REQUIRED. **NOTE:** RNAV 1. **NOTE:** FOR NON-GPS EQUIPPED AIRCRAFT, FLL VOR/DME MUST BE OPERATIONAL FOR TAKEOFF RWY 26R, 26L, 27, 30

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 8L, BLDG 3,391' FROM DER, 1,024' LEFT OF CENTERLINE, 160' AGL/172' MSL GLIDESLOPE ANTENNA 804' FROM DER, 501' RIGHT OF CENTERLINE, 32' AGL/46' MSL MULTIPLE TOWERS AND BLDGS BEGINNING 1,350' FROM DER, 691' LEFT OF CENTERLINE, UP TO 150' AGL/164' MSL **NOTE: RWY 8R,** TREE 4,064' FROM DER, 959' RIGHT OF CENTERLINE, 98' AGL/112' MSL ANTENNA AND MULTIPLE TREES BEGINNING 2,719' FROM DER, 194' LEFT OF CENTERLINE, UP TO 85' AGL/98' MSL. **NOTE: RWY 9,** LIGHT 1,232' FROM DER, 785' LEFT OF CENTERLINE, 39' AGL/48' MSL. WINDSOCK 22' FROM DER, 438' RIGHT OF CENTERLINE, 21' AGL/30' MSL. **NOTE: RWY 12,** RAILROAD BEGINNING 4' FROM DER, 356' RIGHT OF CENTERLINE, 23' AGL/28' MSL. BUILDING AND TREE BEGINNING 1,064' FROM DER, 118' RIGHT OF CENTERLINE, UP TO 94' AGL/108' MSL. WINDSOCK, 681' FROM DER, 345' LEFT OF CENTERLINE, 21' AGL/30' MSL. **NOTE: RWY 26R,** TOWER, BUILDING, MULTIPLE LIGHT POLES AND TREES BEGINNING 741' FROM DER, 1' RIGHT OF CENTERLINE, UP TO 66' AGL/80' MSL. POLE, BLDG, AND TOWER BEGINNING 255' FROM DER, 5' LEFT OF CENTERLINE, UP TO 34' AGL/48' MSL. **NOTE: RWY 26L,** TOWER AND MULTIPLE TREES BEGINNING 1,306' FROM DER, 638' RIGHT OF CENTERLINE, UP TO 63' AGL/77' MSL. TREE AND LIGHT POLE BEGINNING 1,773' FROM DER, 568' LEFT OF CENTERLINE, UP TO 61' AGL/75' MSL. **NOTE: RWY 27,** RAILROAD, TREE, AND MULTIPLE LIGHT POLES BEGINNING 750' FROM DER, 94' LEFT OF CENTERLINE, UP TO 62' AGL/76' MSL. **NOTE: RWY 30,** POLE, MULTIPLE TOWERS AND TREES BEGINNING 1,414' FROM DER, 189' RIGHT OF CENTERLINE, UP TO 120' AGL/125' MSL. TREE 2,058' FROM DER, 785' LEFT OF CENTERLINE, 52' AGL/66' MSL.

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CONTROLLING OBSTACLES:

RWY 8L: 172 MSL BLDG 254826.00N/0801555.00W. 164 MSL TOWER 254832.18N/0801527.90W. 849 MSL TOWER 254620.00N/0801120.00W . **RWY 8R:** 849 MSL TOWER 254620.00N/0801120.00W. **RWY 9:** 849 MSL TOWER 254620.00N/0801120.00W. **RWY 12:** 849 MSL BLDG 254532.40N/0801130.38W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR : KMIA 5W EPOCH YEAR: 00. DME/DME ASSESSMENT: NOT
CONDUCTED. CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

MIAMI INTL

MIAMI, FL

COMMUNICATIONS:

ATIS 119.15,TOWER 118.3, ASOS, GND CON 121.8,CLNC DEL 135.35,MIA DEP CON 119.45

FIXES AND/OR NAVAIDS:

JANUS, SHALW, FORKK, HAUSR, VAPOR

REMARKS:

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CHANGES:

ADDED: CHART: TOP ALTITUDE: 5000

REASONS:

ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
WINCO		TWO		WINCO2.WINCO			ONE		09/28/2006	30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW08L (AER)	254810.43N/0801805.58W	N								
520 MSL				VA	087.35				CG 500 FT PER NM TO 520	
SENOY	254835.38N/0800903.85W	Y	FB	DF					LEFT TURN	
CIMBA	255505.16N/0801030.08W	Y	FB	TF	348.69	6.61				
FORKK	255929.73N/0801312.77W	Y	FB	TF	330.94	5.03				
BORLE	260509.46N/0803800.12W	Y	FB	TF	284.28	23.03				
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42				
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53				
RW08R (AER)	254802.52N/0801805.15W	N								
520 MSL				VA	087.38				CG 500 FT PER NM TO 520	
SENOY	254835.38N/0800903.85W	Y	FB	DF					LEFT TURN	
CIMBA	255505.16N/0801030.08W	Y	FB	TF	348.69	6.61				
FORKK	255929.73N/0801312.77W	Y	FB	TF	330.94	5.03				
BORLE	260509.46N/0803800.12W	Y	FB	TF	284.28	23.03				
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42				
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53				
RW09 (AER)*	254710.56N/0801838.59W*	N							*DISPL THLD (1350)	
520 MSL				VA	087.37				CG 500 FT PER NM TO 520	
SENOY	254835.38N/0800903.85W	Y	FB	DF					LEFT TURN	
CIMBA	255505.16N/0801030.08W	Y	FB	TF	348.69	6.61				
FORKK	255929.73N/0801312.77W	Y	FB	TF	330.94	5.03				
BORLE	260509.46N/0803800.12W	Y	FB	TF	284.28	23.03				
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42				
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53				
RW12 (AER)	254757.43N/0801808.25W	N								
520 MSL				VA	119.46				CG 500 FT PER NM TO 520	
SENOY	254835.38N/0800903.85W	Y	FB	DF					LEFT TURN	
CIMBA	255505.16N/0801030.08W	Y	FB	TF	348.69	6.61				
FORKK	255929.73N/0801312.77W	Y	FB	TF	330.94	5.03				

QUALITY

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2015

DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code		Superseded Number		Dated	Effective Date	
WINCO		TWO	WINCO2.WINCO		ONE		09/28/2006	30 APR 2015	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BORLE	260509.46N/0803800.12W	Y	FB	TF	284.28	23.03			
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42			
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53			
RW26R (AER)	254814.33N/0801631.55W	N							
520 MSL				VA	267.38				CG 300 FT/NM TO 520
OHOFO	255129.17N0803002.24W	Y	FB	DF					RIGHT TURN
BORLE	260509.46N/0803800.12W	Y	FB	TF	332.26	15.40			
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42			
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53			
RW26L (AER)	254807.26N/0801610.33W	N							
520 MSL				VA	267.40				CG 300 FT/NM TO 520
OHOFO	255129.17N0803002.24W	Y	FB	DF					RIGHT TURN
BORLE	260509.46N/0803800.12W	Y	FB	TF	332.26	15.40			
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42			
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53			
RW27 (AER)*	254715.26N/0801645.14W*	N							DISPL THLS (1270)
520 MSL				VA	267.39				CG 300 FT/NM TO 520
OHOFO	255129.17N0803002.24W	Y	FB	DF					RIGHT TURN
BORLE	260509.46N/0803800.12W	Y	FB	TF	332.26	15.40			
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42			
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53			
RW30 (AER)*	254716.43N/0801648.08W*	N							DISPL THLS (939)
520 MSL				VA	299.47				CG 300 FT/NM TO 520
OHOFO	255129.17N0803002.24W	Y	FB	DF					LEFT TURN
BORLE	260509.46N/0803800.12W	Y	FB	TF	332.26	15.40			
MEAGN	261417.20N/0804723.64W	Y	FB	TF	317.16	12.42			
WINCO	262502.53N/0805818.54W	Y	FB	TF	317.60	14.53			