

## WAYPOINT LIST (WGS84)

**PIANO ONE ALFA RNAV DEPARTURE (RWY05R)**  
**PIANO ONE BRAVO RNAV DEPARTURE (RWY23L)**  
**PIANO ONE CHALI RNAV DEPARTURE (RWY05L)**  
**PIANO ONE DELTA RNAV DEPARTURE (RWY23R)**

Waypoint Name	Latitude	Longitude
TP050	250742.00N	1211712.00E
TP064	250648.00N	1211730.00E
TP230	250218.00N	1211018.00E
TP240	250136.00N	1211048.00E
DECOY	251218.00N	1210106.00E
OCTAN	252318.00N	1211654.00E
PIANO	254822.91N	1214902.84E

Seq No	Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course °M (°T)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Vertical Angle	Nav Performance
<b>PIANO ONE ALFA RNAV DEPARTURE (RWY05R)</b>									
01	VA	-	-	054 (049.2)	-	+600	-	-	RNAV 1
02	DF	TP064	Y	-	-	-	-	-	RNAV 1
03	TF	OCTAN	-	003 (358.1)	-	-	-	-	RNAV 1
04	TF	PIANO	-	054 (049.4)	-	-	-	-	RNAV 1
<b>PIANO ONE BRAVO RNAV DEPARTURE (RWY23L)</b>									
01	VA	-	-	234 (229.2)	-	+600	-210	-	RNAV 1
02	DF	TP240	Y	-	-	-	-210	-	RNAV 1
03	DF	DECOY	-	-	-	-	-	-	RNAV 1
04	TF	OCTAN	-	057 (052.6)	-	+8000	-	-	RNAV 1
05	TF	PIANO	-	054 (049.4)	-	-	-	-	RNAV 1
<b>PIANO ONE CHALI RNAV DEPARTURE (RWY05L)</b>									
01	VA	-	-	054 (049.2)	-	+600	-	-	RNAV 1
02	DF	TP050	Y	-	-	-	-	-	RNAV 1
03	TF	OCTAN	-	004 (359.0)	-	-	-	-	RNAV 1
04	TF	PIANO	-	054 (049.4)	-	-	-	-	RNAV 1
<b>PIANO ONE DELTA RNAV DEPARTURE (RWY23R)</b>									
01	VA	-	-	234 (229.2)	-	+600	-210	-	RNAV 1
02	DF	TP230	Y	-	-	-	-210	-	RNAV 1
03	DF	DECOY	-	-	-	-	-	-	RNAV 1
04	TF	OCTAN	-	057 (052.6)	-	+8000	-	-	RNAV 1
05	TF	PIANO	-	054 (049.4)	-	-	-	-	RNAV 1

Sector	DME Gap	Critical DME
<b>PIANO ONE ALFA RNAV DEPARTURE (RWY05R)</b>		
RWY05R - TP064	Y	-
TP064 - OCTAN	N	APU, HLG
OCTAN - PIANO	Y	-

<i>PIANO ONE BRAVO RNAV DEPARTURE (RWY23L)</i>		
RWY23L - TP240	Y	-
TP240 - DECOY	N	APU, HLG
DECOY - OCTAN	N	APU, HLG
OCTAN - PIANO	Y	-
<i>PIANO ONE CHALI RNAV DEPARTURE (RWY05L)</i>		
RWY05L - TP050	Y	-
TP050 - OCTAN	N	APU, HLG
OCTAN - PIANO	Y	-
<i>PIANO ONE DELTA RNAV DEPARTURE (RWY23R)</i>		
RWY23R - TP230	Y	-
TP230 - DECOY	N	APU, HLG
DECOY - OCTAN	N	APU, HLG
OCTAN - PIANO	Y	-

DME Gap: Y means gap EXIST, N means NO gap.