

STANDARD DEPARTURE  
CHART - INSTRUMENT  
(SID)

TRANSITION ALTITUDE  
10000 FT

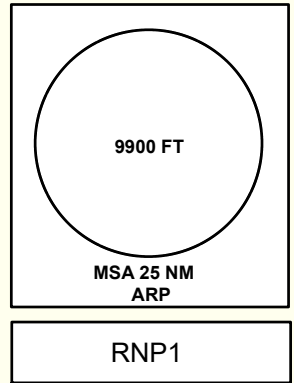
USHARAL TOWER 118.1

AGAKA 1F, GIGDA 1F,  
NESUN 1F

USHARAL  
RWY 27

DIST IN NM  
ALT, ELEV IN FT  
BRG ARE MAGNETIC  
VAR5°E

SID DESIGNATOR	RESTRICTIONS	CLIMB TO
AGAKA 1F	The procedure requires the application of a climb gradient of at least 4.0% up to a climb of 4000 feet to provide safe overflight over obstacles. MNM climb gradient of 5.2% is required until passing FL120, due to separation from arrival traffic. MAX speed 220 KT IAS during first turn.	10000 FT Expect further climb from USHARAL APP
NESUN 1F	The procedure requires the application of a climb gradient of at least 4.0% up to a climb of 4000 feet to provide safe overflight over obstacles. MNM climb gradient of 6.0% is required until passing FL120, due to separation from arrival traffic. MAX speed 240 KT IAS during first turn. If unable to comply with climb gradient, climb in holding pattern to or above 10000 feet, then continue SID.	10000 FT Expect further climb from USHARAL APP
GIGDA 1F	The procedure requires the application of a climb gradient of at least 4.0% up to a climb of 4000 feet to provide safe overflight over obstacles. MNM climb gradient of 7.1% is required until passing FL120, due to separation from arrival traffic. MAX speed 240 KT IAS during first turn. If unable to comply with climb gradient, climb in holding pattern to or above 10000 feet, then continue SID.	10000 FT Expect further climb from USHARAL APP



CHANGE: New chart.

SCALE 1:500,000

0 3,5 7 14 Kilometers

0 1,75 3,5 7 Nautical Miles

**TABULAR DESCRIPTION**

SID AGAKA 1F RWY 27									
Serial Number	Path Desc.	Waypoint Identifier	Fly - over	Course °M(°T)	DIST (nm)	Turn Dir	Altitude FT	Speed KT	NAV. SPEC.
010	CF	AL004	-	272(277.5)	6.3		-	-220	RNP1
020	TF	AL212	-	002(007.4)	11.0		-10000		RNP1
030	TF	AL213	-	080(085.7)	7.7				RNP1
040	TF	AL214	-	003(008.4)	5.0				RNP1
050	TF	AGAKA	-	003(008.4)	7.0		@FL120		RNP1

**WAYPOINT LIST**

AGAKA 1F			
Waypoint Identifier	Coordinates		
DEP	461134.36N	0804826.33E	
AL004	461223.68N	0803923.96E	
AL212	462317.94N	0804126.86E	
AL213	462352.00N	0805230.65E	
AL214	462848.67N	0805333.99E	
AGAKA	463544.00N	0805503.00E	

**TABULAR DESCRIPTION**

SID NESUN 1F RWY 27									
Serial Number	Path Desc.	Waypoint Identifier	Fly - over	Course °M(°T)	DIST (nm)	Turn Dir	Altitude FT	Speed KT	NAV. SPEC.
010	CF	AL004	-	272(277.5)	6.3		-	-240	RNP1
020	TF	AL003	-	272(277.4)	6.1				RNP1
030	TF	AL106	-	272(277.3)	5.0		-10000		RNP1
040	TF	AL107	-	193(198.4)	6.0				RNP1
050	TF	NESUN	-	193(198.3)	7.1		@FL120		RNP1

**WAYPOINT LIST**

NESUN 1F			
Waypoint Identifier	Coordinates		
DEP	461134.36N	0804826.33E	
AL004	461223.68N	0803923.96E	
AL003	461310.24N	0803044.24E	
AL106	461348.35N	0802333.15E	
AL107	460806.76N	0802050.04E	
NESUN	460123.00N	0801738.00E	

**TABULAR DESCRIPTION**

SID GIGDA 1F RWY 27									
Serial Number	Path Desc.	Waypoint Identifier	Fly - over	Course °M(°T)	DIST (nm)	Turn Dir	Altitude FT	Speed KT	NAV. SPEC.
010	CF	AL004	-	272(277.5)	6.3		-	-240	RNP1
020	TF	AL003	-	272(277.4)	6.1				RNP1
030	TF	AL106	-	272(277.3)	5.0		-10000		RNP1
040	TF	GIGDA	-	316(320.9)	7.6		@FL120		RNP1

**WAYPOINT LIST**

GIGDA 1F			
Waypoint Identifier	Coordinates		
DEP	461134.36N	0804826.33E	
AL004	461223.68N	0803923.96E	
AL003	461310.24N	0803044.24E	
AL106	461348.35N	0802333.15E	
GIGDA	461942.00N	0801638.00E	