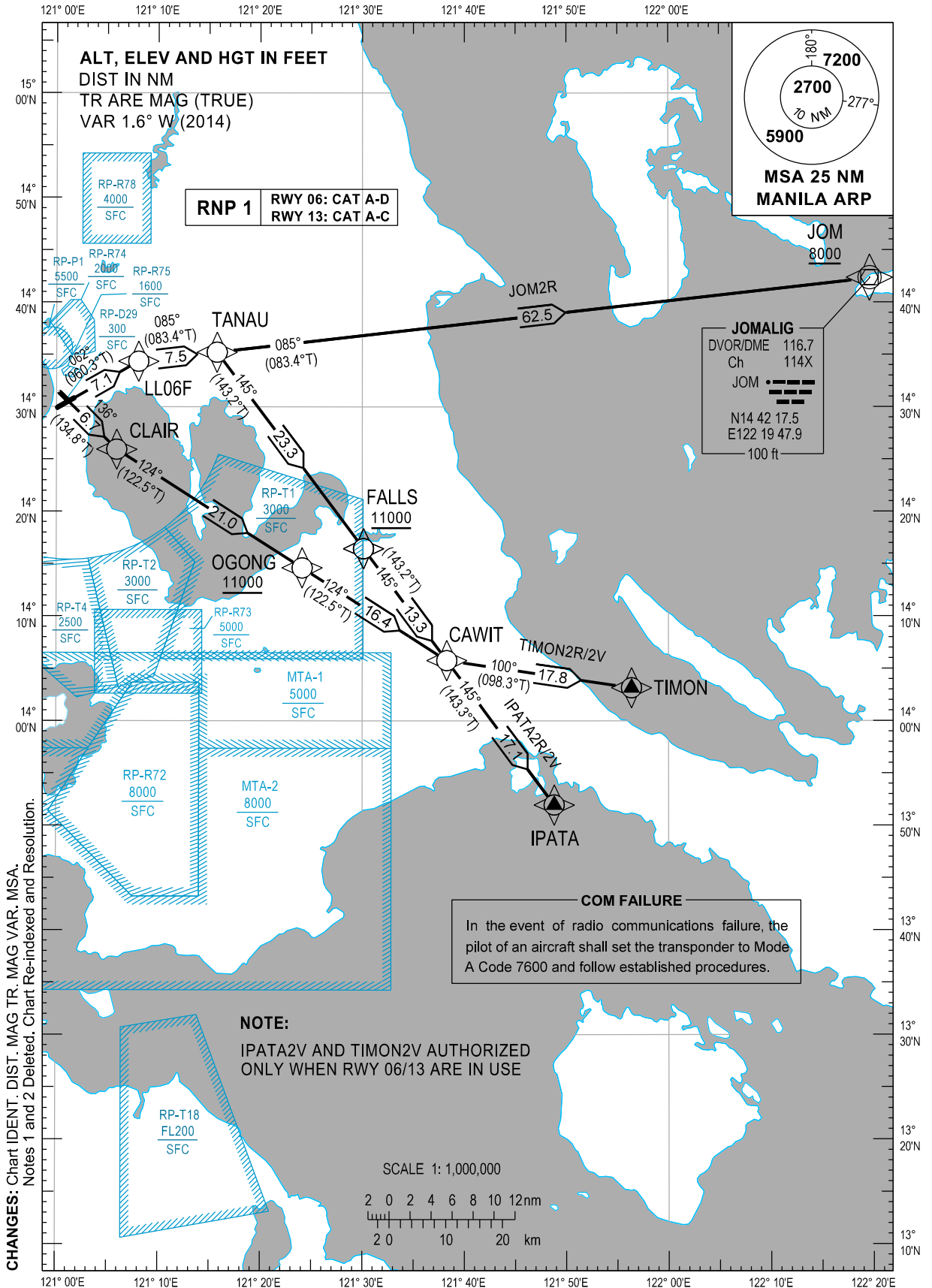


STANDARD DEPARTURE  
CHART - INSTRUMENT  
(SID)

TRANSITION  
ALTITUDE  
11,000 ft

GND - 121.8 / 122.0  
TWR - 118.1 / 118.4  
APP - 121.1 / 124.8

MANILA/Ninoy Aquino Intl (RPLL)  
RNP SID RWY 06/13  
IPATA2R/2V JOM2R TIMON2R/2V



**DEPARTURE ROUTE DESCRIPTION**

SID	TAKE-OFF	PROCEDURE	REMARKS
IPATA2R	RWY06	Climb on course 062°M to LL06F, to TANAU, to FALLS at or above 11000FT, to CAWIT, to IPATA.	ATS climb gradient of 4.7% required to cross FALLS at or above 11000FT.
IPATA2V	RWY13	Climb on course 136°M to CLAIR, to OGONG at or above 11000FT, to CAWIT, to IPATA.	ATS climb gradient of 6.6% required to cross OGONG at or above 11000FT.
JOM2R	RWY06	Climb on course 062°M to LL06F, to TANAU, to JOM at or above 8000FT.	
TIMON2R	RWY06	Climb on course 062°M to LL06F, to TANAU, to FALLS at or above 11000FT, to CAWIT, to TIMON.	ATS climb gradient of 4.7% required to cross FALLS at or above 11000FT.
TIMON2V	RWY13	Climb on course 136°M to CLAIR, to OGONG at or above 11000FT, to CAWIT, to TIMON.	ATS climb gradient of 6.6% required to cross OGONG at or above 11000FT.

**WAYPOINT LIST**

Waypoint Name	Latitude	Longitude	Type
CAWIT	N14 05 45	E121 38 17	Fly-by
CLAIR	N14 25 56	E121 05 55	Fly-by
FALLS	N14 16 27	E121 30 08	Fly-by
IPATA	N13 51 57	E121 48 48	Fly-by
JOM	N14 42 18	E122 19 48	Fly-by
LL06F	N14 34 20	E121 08 03	Fly-by
OGONG	N14 14 37	E121 24 06	Fly-by
TANAU	N14 35 13	E121 15 45	Fly-by
TIMON	N14 03 09	E121 56 23	Fly-by

**PROPOSED CODING FOR DEPARTURE RNP SID RWY06/13**

**Table 1: IPATA2R**

SEQ. NO.	PD	W/P ID	Flyover	Course Track °M (°T)	Magnetic Variation	Distance (NM)	TD	ALT (FT)	Speed (knots)	VPA (°)	Nav. Spec	Transition ID
10	CF	LL06F	N	062° (060.3°)	-	7.1	-	-	-	-	RNP1	RW06
20	TF	TANAU	N	085° (083.4°)	-	7.5	-	-	-	-	RNP1	RW06
30	TF	FALLS	N	145° (143.2°)	-	23.3	-	+11000	-	-	RNP1	RW06
40	TF	CAWIT	N	145° (143.2°)	-	13.3	-	-	-	-	RNP1	RW06
50	TF	IPATA	N	145° (143.3°)	-	17.1	-	-	-	-	RNP1	RW06

CHANGES: RTE Description. WPT List. Coding Table.

**Table 2: IPATA2V**

SEQ. NO.	PD	W/P ID	Flyover	Course Track °M (°T)	Magnetic Variation	Distance (NM)	TD	ALT (FT)	Speed (knots)	VPA (°)	Nav. Spec	Transition ID
10	CF	CLAIR	N	136° (134.8°)	-	6.7	-	-	-	-	RNP1	RW13
20	TF	OGONG	N	124° (122.5°)	-	21.0	-	+11000	-	-	RNP1	RW13
30	TF	CAWIT	N	124° (122.5°)	-	16.4	-	-	-	-	RNP1	RW13
40	TF	IPATA	N	145° (143.3°)	-	17.1	-	-	-	-	RNP1	RW13

**Table 3: JOM2R**

SEQ. NO.	PD	W/P ID	Flyover	Course Track °M (°T)	Magnetic Variation	Distance (NM)	TD	ALT (FT)	Speed (knots)	VPA (°)	Nav. Spec	Transition ID
10	CF	LL06F	N	062° (060.3°)	-	7.1	-	-	-	-	RNP1	RW06
20	TF	TANAU	N	085° (083.4°)	-	7.5	-	-	-	-	RNP1	RW06
30	TF	JOM	N	085° (083.4°)	-	62.5	-	+8000	-	-	RNP1	RW06

**Table 4: TIMON2R**

SEQ. NO.	PD	W/P ID	Flyover	Course Track °M (°T)	Magnetic Variation	Distance (NM)	TD	ALT (FT)	Speed (knots)	VPA (°)	Nav. Spec	Transition ID
10	CF	LL06F	N	062° (060.3°)	-	7.1	-	-	-	-	RNP1	RW06
20	TF	TANAU	N	085° (083.4°)	-	7.5	-	-	-	-	RNP1	RW06
30	TF	FALLS	N	145° (143.2°)	-	23.3	-	+11000	-	-	RNP1	RW06
40	TF	CAWIT	N	145° (143.2°)	-	13.3	-	-	-	-	RNP1	RW06
50	TF	TIMON	N	100° (098.3°)	-	17.8	-	-	-	-	RNP1	RW06

**Table 5: TIMON2V**

SEQ. NO.	PD	W/P ID	Flyover	Course Track °M (°T)	Magnetic Variation	Distance (NM)	TD	ALT (FT)	Speed (knots)	VPA (°)	Nav. Spec	Transition ID
10	CF	CLAIR	N	136° (134.8°)	-	6.7	-	-	-	-	RNP1	RW13
20	TF	OGONG	N	124° (122.5°)	-	21.0	-	+11000	-	-	RNP1	RW13
30	TF	CAWIT	N	124° (122.5°)	-	16.4	-	-	-	-	RNP1	RW13
40	TF	TIMON	N	100° (098.3°)	-	17.8	-	-	-	-	RNP1	RW13

CHANGE: Coding Table.