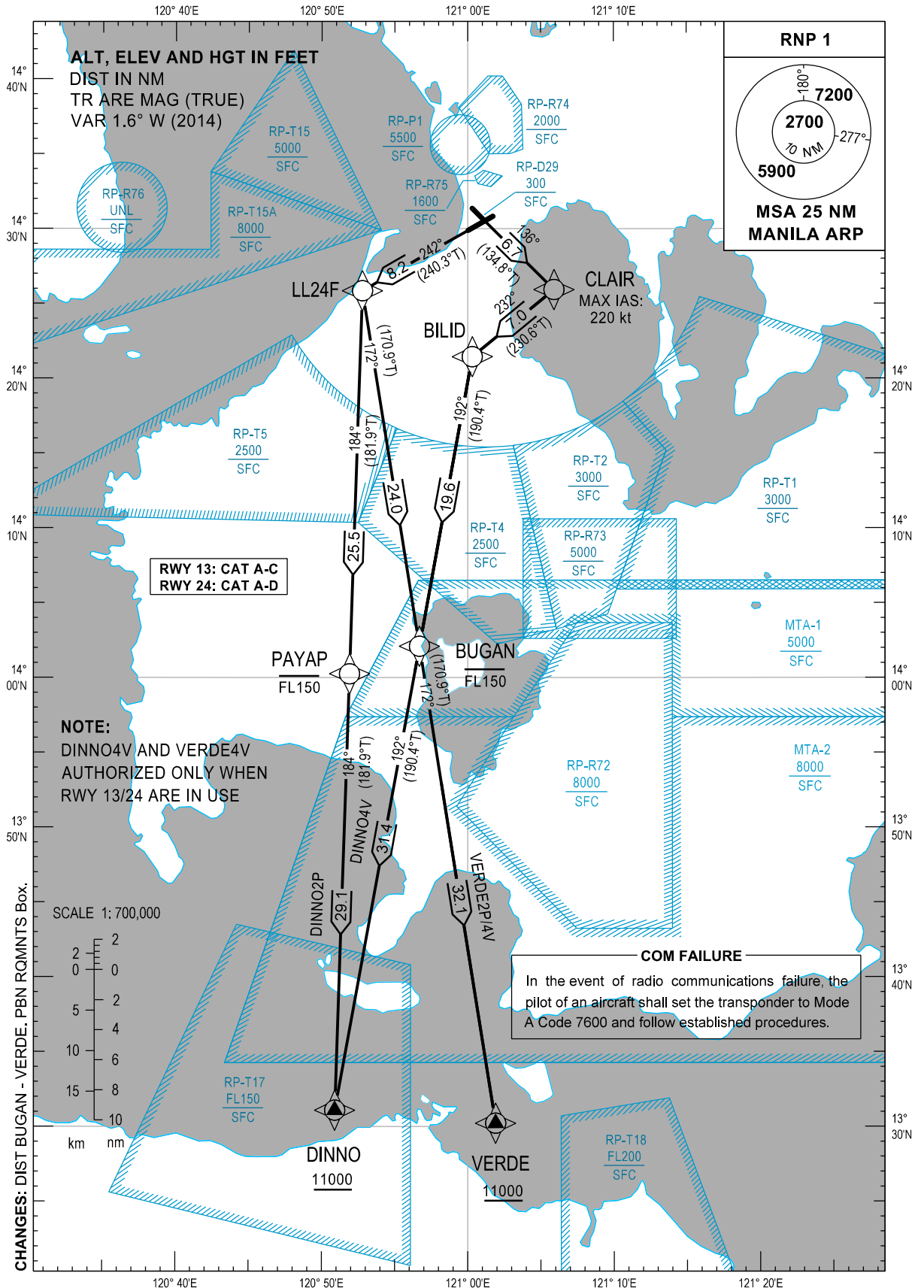


**STANDARD DEPARTURE
CHART - INSTRUMENT
(SID)**

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 13/24
DINNO2P/4V VERDE2P/4V**



DEPARTURE ROUTE DESCRIPTION

SID	TAKE-OFF	PROCEDURE	REMARKS
DINNO2P	RWY24	Climb on course 242°M to LL24F, to PAYAP at or below FL150, to DINNO at or above 11000FT.	3.9% climb gradient required up to 3500FT. This is due to airspace restrictions only.
DINNO4V	RWY13	Climb on course 136°M to CLAIR, to BILID, to BUGAN at or below FL150, to DINNO at or above 11000FT.	Maintain MAX IAS of 220KT up to and until turn is completed at CLAIR.
VERDE2P	RWY24	Climb on course 242°M to LL24F, to BUGAN at or below FL150, to VERDE at or above 11000FT.	3.9% climb gradient required up to 3500FT. This is due to airspace restrictions only.
VERDE4V	RWY13	Climb on course 136°M to CLAIR, to BILID, to BUGAN at or below FL150, to VERDE at or above 11000FT.	Maintain MAX IAS of 220KT up to and until turn is completed at CLAIR.

WAYPOINT LIST

Waypoint Name	Latitude	Longitude	Type
BILID	N14 21 27	E121 00 19	Fly-by
BUGAN	N14 02 06	E120 56 42	Fly-by
CLAIR	N14 25 56	E121 05 55	Fly-by
DINNO	N13 31 06	E120 50 54	Fly-by
LL24F	N14 25 51	E120 52 47	Fly-by
PAYAP	N14 00 15	E120 51 54	Fly-by
VERDE	N13 30 13	E121 01 54	Fly-by

PROPOSED CODING FOR DEPARTURE RNP SID RWY13/24

Table 1: DINNO2P

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	LL24F	N	242° (240.3°)	-	8.2	-	-	-	-	RNP1	RW24
20	TF	PAYAP	N	184° (181.9°)	-	25.5	-	-FL150	-	-	RNP1	RW24
30	TF	DINNO	N	184° (181.9°)	-	29.1	-	+11000	-	-	RNP1	RW24

Table 2: DINNO4V

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	-	-	220	-	RNP1	RW13
20	TF	BILID	N	232° (230.6°)	-	7.0	-	-	-	-	RNP1	RW13
30	TF	BUGAN	N	192° (190.4°)	-	19.6	-	-FL150	-	-	RNP1	RW13
40	TF	DINNO	N	192° (190.4°)	-	31.4	-	+11000	-	-	RNP1	RW13

Table 3: VERDE2P

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	LL24F	N	242° (240.3°)	-	8.2	-	-	-	-	RNP1	RW24
20	TF	BUGAN	N	172° (170.9°)	-	24.0	-	-FL150	-	-	RNP1	RW24
30	TF	VERDE	N	172° (170.9°)	-	32.1	-	+11000	-	-	RNP1	RW24

Table 4: VERDE4V

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	-	-	220	-	RNP1	RW13
20	TF	BILID	N	232° (230.6°)	-	7.0	-	-	-	-	RNP1	RW13
30	TF	BUGAN	N	192° (190.4°)	-	19.6	-	-FL150	-	-	RNP1	RW13
40	TF	VERDE	N	172° (170.9°)	-	32.1	-	+11000	-	-	RNP1	RW13

CHANGE: Editorial (VERDE 2P/4V DIST BUGAN - VERDE).