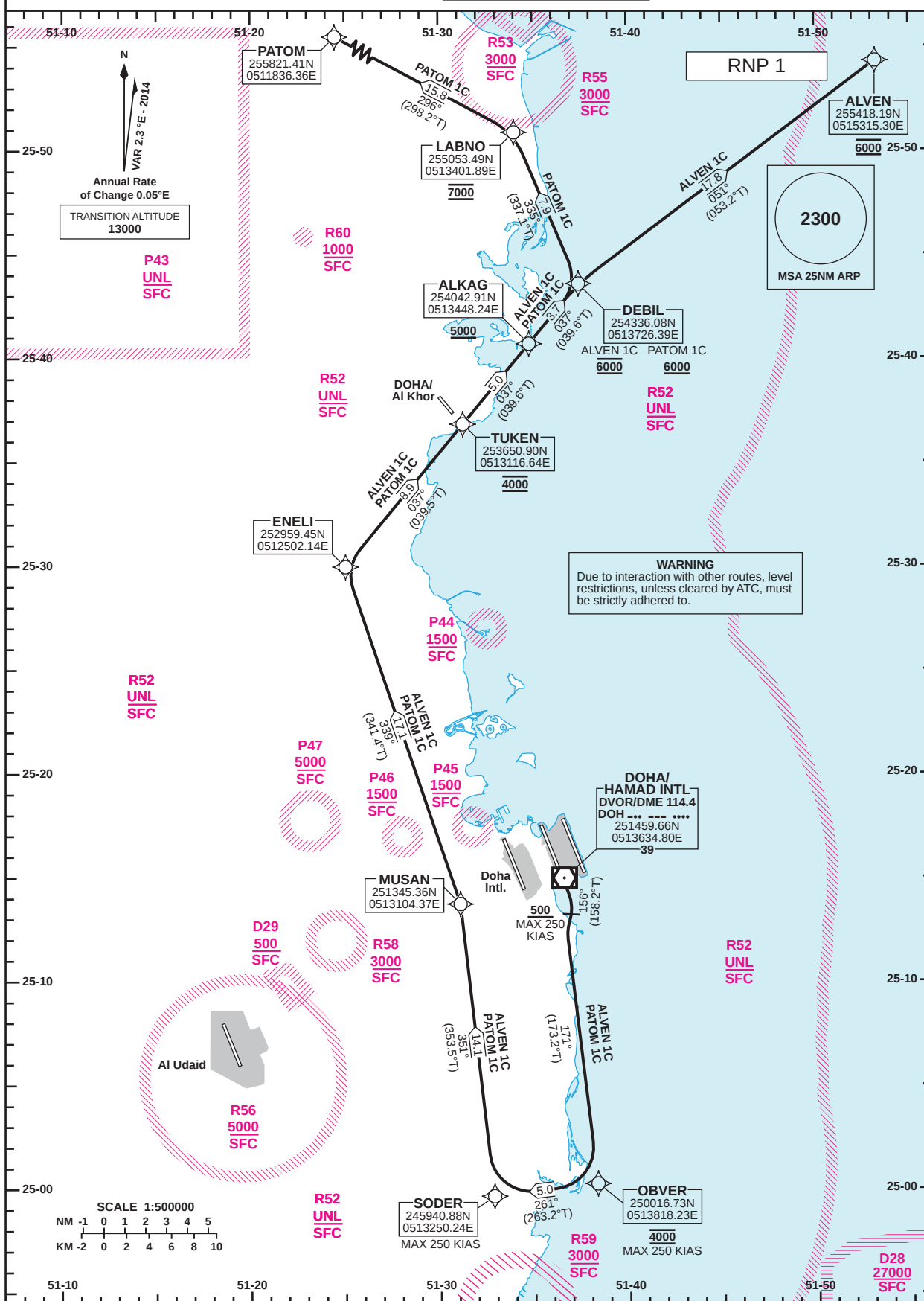


STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAODIST IN NM
BEARINGS ARE MAGNETIC
ALTITUDES AND ELEV IN FEET

DOHA RADAR	121.10
DOHA APP	119.725 / 120.60
TWR (EAST)	118.525 / 118.225
TWR (WEST)	118.025 / 118.225

DOHA/Hamad Intl. (OTHH)
RNP RWY 16R
ALVEN 1C /PATOM 1C

Route Designator	Routing
ALVEN 1C	[T158.2;A500+;K250-] - OBVER[R;T173.2;A4000;K250-] - SODER[R;K250-] - MUSAN - ENELI - TUEN[A4000] - ALKAG[A5000+] - DEBIL[A6000] - ALVEN[A6000]
PATOM 1C	[T158.2;A500+;K250-] - OBVER[R;T173.2;A4000;K250-] - SODER[R;K250-] - MUSAN - ENELI - TUEN[A4000] - ALKAG[A5000+] - DEBIL[A6000+] - LABNO[A7000] - PATOM

GENERAL INFORMATION

1. Close-in obstacles exist for Rwy 16R departures.
2. 3.5% CG required to 600.

Changes: Editorial

DOHA/Hamad Intl.(OTHH)
RNP RWY 16R
ALVEN 1C /PATOM 1C

STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

TABULAR DESCRIPTION

RNP SID ALVEN 1C											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA/ TCH	Navigation Specification
1	CA		-	156 (158.2)	2.3	-		+500	-250		RNP 1.0
2	CF	OBVER	-	171 (173.2)	2.3	-	R	@4000	-250		RNP 1.0
3	TF	SODER	-	261 (263.2)	2.3	5	R	-	-250		RNP 1.0
4	TF	MUSAN	-	351 (353.5)	2.3	14.1		-			RNP 1.0
5	TF	ENELI	-	339 (341.4)	2.3	17.1		-			RNP 1.0
6	TF	TUKEN	-	037 (039.5)	2.3	8.9		@4000			RNP 1.0
7	TF	ALKAG	-	037 (039.6)	2.3	5		+5000			RNP 1.0
8	TF	DEBIL	-	037 (039.6)	2.3	3.7		@6000			RNP 1.0
9	TF	ALVEN	-	051 (053.2)	2.3	17.8		@6000			RNP 1.0

RNP SID PATOM 1C											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA/ TCH	Navigation Specification
1	CA		-	156 (158.2)	2.3	-		+500	-250		RNP 1.0
2	CF	OBVER	-	171 (173.2)	2.3	-	R	@4000	-250		RNP 1.0
3	TF	SODER	-	261 (263.2)	2.3	5	R	-	-250		RNP 1.0
4	TF	MUSAN	-	351 (353.5)	2.3	14.1		-			RNP 1.0
5	TF	ENELI	-	339 (341.4)	2.3	17.1		-			RNP 1.0
6	TF	TUKEN	-	037 (039.5)	2.3	8.9		@4000			RNP 1.0
7	TF	ALKAG	-	037 (039.6)	2.3	5		+5000			RNP 1.0
8	TF	DEBIL	-	037 (039.6)	2.3	3.7		+6000			RNP 1.0
9	TF	LABNO	-	335 (337.1)	2.3	7.9		@7000			RNP 1.0
10	TF	PATOM	-	296 (298.2)	2.3	15.8		-			RNP 1.0

WAYPOINT LIST

RNP SID ALVEN 1C /PATOM 1C	
Waypoint Identifier	Coordinates
ALKAG	254042.91N 0513448.24E
ALVEN	255418.19N 0515315.30E
DEBIL	254336.08N 0513726.39E
ENELI	252959.45N 0512502.14E
LABNO	255053.49N 0513401.89E
MUSAN	251345.36N 0513104.37E
OBVER	250016.73N 0513818.23E
PATOM	255821.41N 0511836.36E
SODER	245940.88N 0513250.24E
TUKEN	253650.90N 0513116.64E