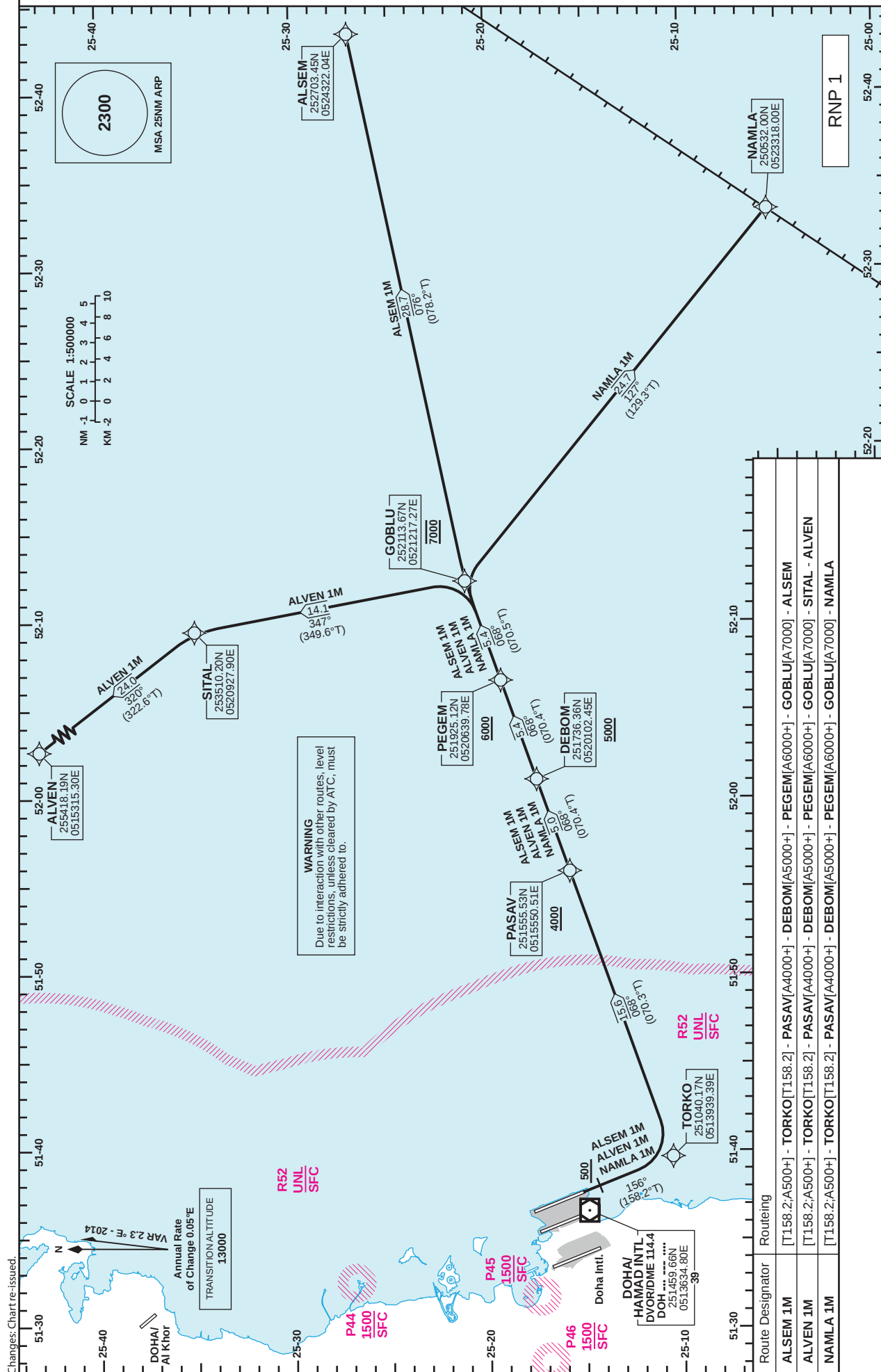


**STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO**

DIST 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 16L
ALSEM 1M /ALVEN 1M /NAMLA 1M



STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

DOHA/Hamad Intl.(OTHH)
RNP RWY 16L
ALSEM 1M /ALVEN 1M /NAMLA 1M

TABULAR DESCRIPTION

RNP SID ALSEM 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	CA	-	-	156 (158.2)	2.3	-		+500			RNP 1
2	CF	TORKO	-	156 (158.2)	2.3	-		-			RNP 1
3	TF	PASAV	-	068 (070.3)	2.3	15.6		+4000			RNP 1
4	TF	DEBOM	-	068 (070.4)	2.3	5.0		+5000			RNP 1
5	TF	PEGEM	-	068 (070.4)	2.3	5.4		+6000			RNP 1
6	TF	GOBLU	-	068 (070.5)	2.3	5.4		@7000			RNP 1
7	TF	ALSEM	-	076 (078.2)	2.3	28.7		-			RNP 1

RNP SID ALVEN 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	CA	-	-	156 (158.2)	2.3	-		+500			RNP 1
2	CF	TORKO	-	156 (158.2)	2.3	-		-			RNP 1
3	TF	PASAV	-	068 (070.3)	2.3	15.6		+4000			RNP 1
4	TF	DEBOM	-	068 (070.4)	2.3	5.0		+5000			RNP 1
5	TF	PEGEM	-	068 (070.4)	2.3	5.4		+6000			RNP 1
6	TF	GOBLU	-	068 (070.5)	2.3	5.4		@7000			RNP 1
7	TF	SITAL	-	347 (349.6)	2.3	14.1		-			RNP 1
8	TF	ALVEN	-	320 (322.6)	2.3	24.0		-			RNP 1

RNP SID NAMLA 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	CA	-	-	156 (158.2)	2.3	-		+500			RNP 1
2	CF	TORKO	-	156 (158.2)	2.3	-		-			RNP 1
3	TF	PASAV	-	068 (070.3)	2.3	15.6		+4000			RNP 1
4	TF	DEBOM	-	068 (070.4)	2.3	5.0		+5000			RNP 1
5	TF	PEGEM	-	068 (070.4)	2.3	5.4		+6000			RNP 1
6	TF	GOBLU	-	068 (070.5)	2.3	5.4		@7000			RNP 1
7	TF	NAMLA	-	127 (129.3)	2.3	24.7		-			RNP 1

WAYPOINT LIST

RNP SID ALSEM 1M /ALVEN 1M /NAMLA 1M	
Waypoint Identifier	Coordinates
TORKO	251040.17N 0513939.39E
PASAV	251555.53N 0515550.51E
DEBOM	251736.36N 0520102.45E
PEGEM	251925.12N 0520639.78E
GOBLU	252113.67N 0521217.27E
ALSEM	252703.45N 0524322.04E
SITAL	253510.20N 0520927.90E
ALVEN	255418.19N 0515315.30E
NAMLA	250532.00N 0523318.00E