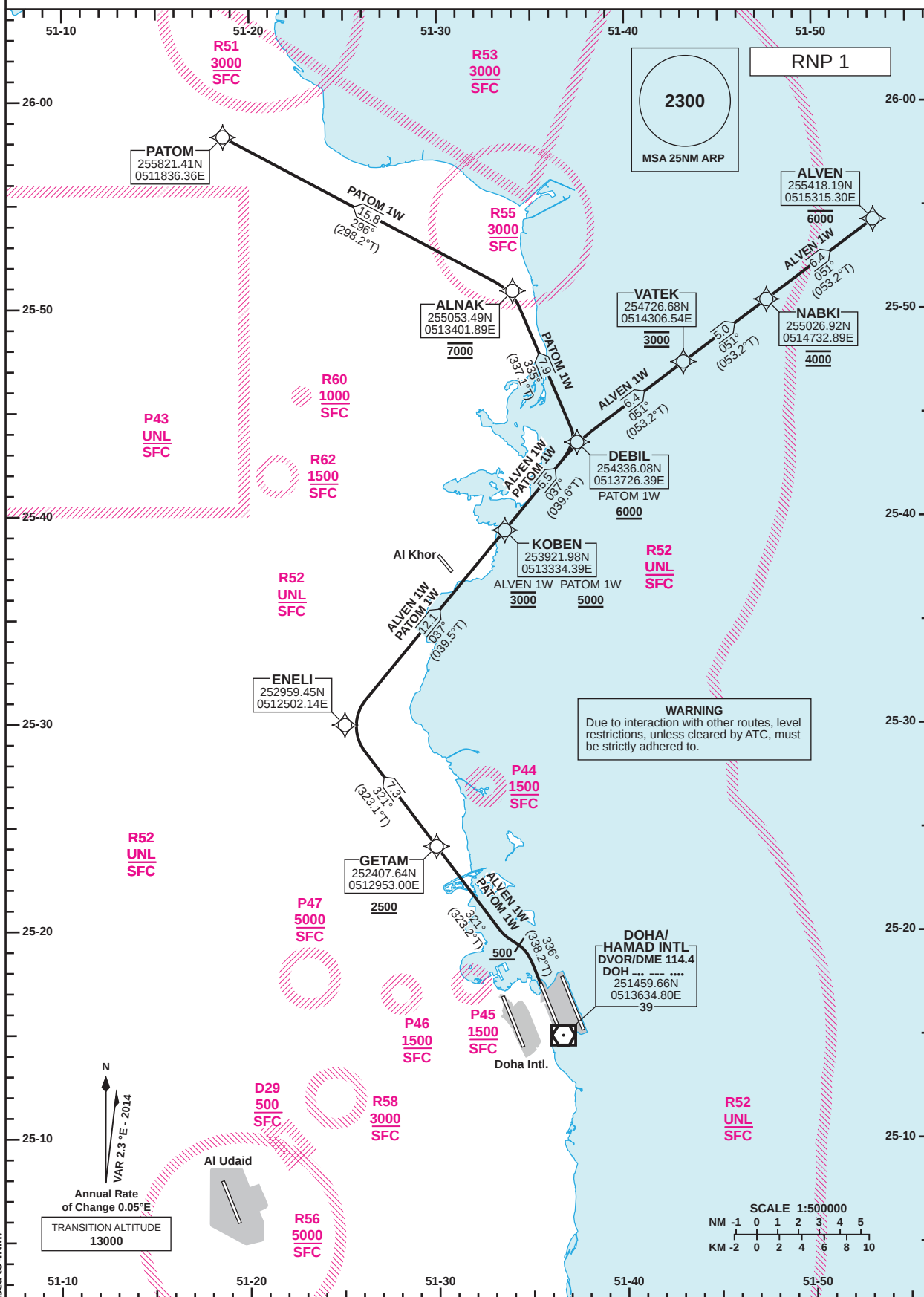


STANDARD DEPARTURE  
CHART - INSTRUMENT  
(SID) - ICAODIST IN NM  
BEARINGS ARE MAGNETIC  
ALTITUDES AND ELEV IN FEET

|            |                   |
|------------|-------------------|
| 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 34L  
ALVEN 1W /PATOM 1W

| Route Designator | Routeing                                                                                                             |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| ALVEN 1W         | [T338.2; A500+] - GETAM[T323.2; A2500+] - ENELI - KOBEN[A3000] - DEBIL - VATEK[A3000] - NABKI[A4000] - ALVEN[A6000-] |
| PATOM 1W         | [T338.2; A500+] - GETAM[T323.2; A2500+] - ENELI - KOBEN[A5000+] - DEBIL[A6000+] - ALNAK[A7000] - PATOM               |

## GENERAL INFORMATION

1. Close-in obstacles exist for Rwy 34L departures.
2. 4.8% CG required to 1200.

Changes: R55 lateral limits increased to 4NM.

STANDARD DEPARTURE  
CHART - INSTRUMENT  
(SID) - ICAO

DOHA/Hamad Intl.(OTHH)  
RNP RWY 34L  
ALVEN 1W /PATOM 1W

TABULAR DESCRIPTION

| RNP SID ALVEN 1W |                 |                     |          |               |                       |               |                |               |            |                 |                          |
|------------------|-----------------|---------------------|----------|---------------|-----------------------|---------------|----------------|---------------|------------|-----------------|--------------------------|
| 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              | -                   | -        | 336 (338.2)   | 2.3                   | -             |                | +500          |            |                 | RNP 1                    |
| 2                | CF              | GETAM               | -        | 321 (323.2)   | 2.3                   | -             |                | +2500         |            |                 | RNP 1                    |
| 3                | TF              | ENELI               | -        | 321 (323.1)   | 2.3                   | 7.3           |                | -             |            |                 | RNP 1                    |
| 4                | TF              | KOBEN               | -        | 037 (039.5)   | 2.3                   | 12.1          |                | @3000         |            |                 | RNP 1                    |
| 5                | TF              | DEBIL               | -        | 037 (039.6)   | 2.3                   | 5.5           |                | -             |            |                 | RNP 1                    |
| 6                | TF              | VATEK               | -        | 051 (053.2)   | 2.3                   | 6.4           |                | @3000         |            |                 | RNP 1                    |
| 7                | TF              | NABKI               | -        | 051 (053.2)   | 2.3                   | 5.0           |                | @4000         |            |                 | RNP 1                    |
| 8                | TF              | ALVEN               | -        | 051 (053.2)   | 2.3                   | 6.4           |                | -6000         |            |                 | RNP 1                    |

| RNP SID PATOM 1W |                 |                     |          |               |                       |               |                |               |            |                 |                          |
|------------------|-----------------|---------------------|----------|---------------|-----------------------|---------------|----------------|---------------|------------|-----------------|--------------------------|
| 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              | -                   | -        | 336 (338.2)   | 2.3                   | -             |                | +500          |            |                 | RNP 1                    |
| 2                | CF              | GETAM               | -        | 321 (323.2)   | 2.3                   | -             |                | +2500         |            |                 | RNP 1                    |
| 3                | TF              | ENELI               | -        | 321 (323.1)   | 2.3                   | 7.3           |                | -             |            |                 | RNP 1                    |
| 4                | TF              | KOBEN               | -        | 037 (039.5)   | 2.3                   | 12.1          |                | +5000         |            |                 | RNP 1                    |
| 5                | TF              | DEBIL               | -        | 037 (039.6)   | 2.3                   | 5.5           |                | +6000         |            |                 | RNP 1                    |
| 6                | TF              | ALNAK               | -        | 335 (337.1)   | 2.3                   | 7.9           |                | @7000         |            |                 | RNP 1                    |
| 7                | TF              | PATOM               | -        | 296 (298.2)   | 2.3                   | 15.8          |                | -             |            |                 | RNP 1                    |

WAYPOINT LIST

| RNP SID ALVEN 1W/PATOM 1W |                        |
|---------------------------|------------------------|
|                           |                        |
| Waypoint Identifier       | Coordinates            |
| GETAM                     | 252407.64N 0512953.00E |
| ENELI                     | 252959.45N 0512502.14E |
| KOBEN                     | 253921.98N 0513334.39E |
| DEBIL                     | 254336.08N 0513726.39E |
| VATEK                     | 254726.68N 0514306.54E |
| NABKI                     | 255026.92N 0514732.89E |
| ALVEN                     | 255418.19N 0515315.30E |
| ALNAK                     | 255053.49N 0513401.89E |
| PATOM                     | 255821.41N 0511836.36E |