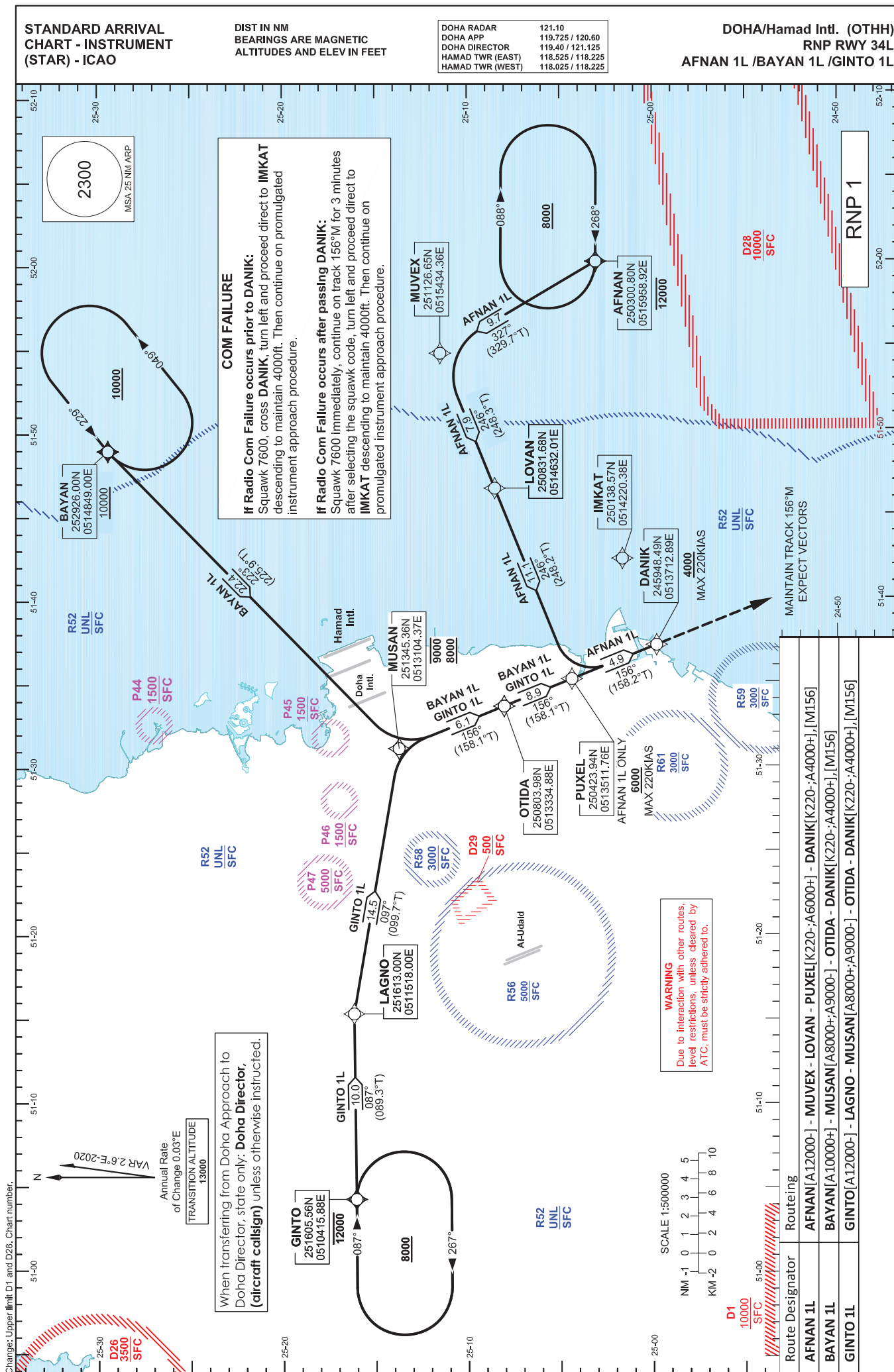




STANDARD ARRIVAL  
CHART - INSTRUMENT  
(STAR) - ICAO

DOHA/Hamad Intl.(OTHH)  
RNP RWY 34L  
AFNAN 1L /BAYAN 1L /GINTO 1L

## TABULAR DESCRIPTION

### RNP STAR AFNAN 1L

| 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          | IF              | AFNAN               | -        | -             | -2.6                  | -             | -              | -12000        | -          | -              | RNP 1                    |
| 2          | TF              | MUVEX               | -        | 327 (329.7)   | -2.6                  | 9.7           | -              | -             | -          | -              | RNP 1                    |
| 3          | TF              | LOVAN               | -        | 246 (248.3)   | -2.6                  | 7.9           | -              | -             | -          | -              | RNP 1                    |
| 4          | TF              | PUXEL               | -        | 246 (248.2)   | -2.6                  | 11.1          | -              | +6000         | -220       | -              | RNP 1                    |
| 5          | TF              | DANIK               | -        | 156 (158.2)   | -2.6                  | 4.9           | -              | +4000         | -220       | -              | RNP 1                    |
| 6          | FM              | DANIK               | -        | 156 (158.2)   | -2.6                  | -             | -              | +4000         | -220       | -              | RNP 1                    |

### RNP STAR BAYAN 1L

| 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          | IF              | BAYAN               | -        | -             | -2.6                  | -             | -              | +10000        | -          | -              | RNP 1                    |
| 2          | TF              | MUSAN               | -        | 223 (225.9)   | -2.6                  | 22.4          | -              | +8000/-9000   | -          | -              | RNP 1                    |
| 3          | TF              | OTIDA               | -        | 156 (158.1)   | -2.6                  | 6.1           | -              | -             | -          | -              | RNP 1                    |
| 4          | TF              | DANIK               | -        | 156 (158.1)   | -2.6                  | 8.9           | -              | +4000         | -220       | -              | RNP 1                    |
| 5          | FM              | DANIK               | -        | 156 (158.2)   | -2.6                  | -             | -              | +4000         | -220       | -              | RNP 1                    |

### RNP STAR GINTO 1L

| 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          | IF              | GINTO               | -        | -             | -2.6                  | -             | -              | -12000        | -          | -              | RNP 1                    |
| 2          | TF              | LAGNO               | -        | 087 (089.3)   | -2.6                  | 10.0          | -              | -             | -          | -              | RNP 1                    |
| 3          | TF              | MUSAN               | -        | 097 (099.7)   | -2.6                  | 14.5          | -              | +8000/-9000   | -          | -              | RNP 1                    |
| 4          | TF              | OTIDA               | -        | 156 (158.1)   | -2.6                  | 6.1           | -              | -             | -          | -              | RNP 1                    |
| 5          | TF              | DANIK               | -        | 156 (158.1)   | -2.6                  | 8.9           | -              | +4000         | -220       | -              | RNP 1                    |
| 6          | FM              | DANIK               | -        | 156 (158.2)   | -2.6                  | -             | -              | +4000         | -220       | -              | RNP 1                    |

## WAYPOINT LIST

### RNP STAR AFNAN 1L /BAYAN 1L /GINTO 1L

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| AFNAN               | 250300.80N 0515958.92E |
| MUVEX               | 251126.65N 0515434.36E |
| LOVAN               | 250831.68N 0514632.01E |
| PUXEL               | 250423.94N 0513511.76E |
| BAYAN               | 252926.00N 0514849.00E |
| GINTO               | 251605.56N 0510415.88E |
| LAGNO               | 251613.00N 0511518.00E |
| MUSAN               | 251345.36N 0513104.37E |
| OTIDA               | 250803.98N 0513334.88E |
| DANIK               | 245948.49N 0513712.89E |