STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

DIST IN NM
BEARINGS ARE MAGNETIC
ALTITUDES AND ELEV IN FEET

DOHA RADAR SOUTH	120.675 / 119.150
DOHA RADAR NORTH	121.100 / 121.625
DOHA APP EAST	124.775 / 120.600
DOHA DIRECTOR EAST	119.400 / 121.125
HAMAD ARRIVAL INFORMATION	126.825
HAMAD TWR WEST	118.025 / 118.225
HAMAD TWR EAST	118.525 / 118.225

DOHA/Hamad Intl. (OTHH)
RNP RWY 34L/R
ALKAN 2V / HAYYA 2V / VEDED 2V

RNP 1

2300 MSA 25 NM ARP

TRANSITION ALTITUDE 13000

VAR 2.6°E-2025

When transferring from Doha Approach to Doha Director, state only: **Doha Director, (aircraft call sign)** unless otherwise instructed.

COM FAILURE

If Radio Com Failure occurs prior to MUXED:
Squawk 7600, cross **MUXED** maintaining 2500ft, turn right and proceed direct to **LAGMA**. Then continue on promulgated instrument approach procedure.

If Radio Com Failure occurs after passing MUXED:
Squawk 7600 immediately, continue track on 156°M maintaining 2500ft for 3 minutes after selecting the squawk code, turn right and proceed direct to **LAGMA**. Then continue on promulgated instrument approach procedure.

① Turns with MAX 250 KIAS

② MAINTAIN TRACK 156°M EXPECT VECTORS

③ Expect 2500ft for OTHH RWY 34R and 3500ft for OTHH RWY 34L at MUXED (by ATC only)

SCALE 1:750000
NM 1 0 1 2 3 4 5
KM 2 0 2 4 6 8 10

ALKAN
255214.00N
0521615.00E
FL200

SENKI
254637.00N
0520928.00E

LUBAK
253705.47N
0515607.62E

VUTAN
255015.91N
0515218.39E
FL180

VEDED
260558.26N
0514627.91E
FL180

LOVAN
250831.68N
0514632.01E
4000

MUXED
250356.10N
0514832.78E
3500
2500
MAX 220 KIAS

VELAM
255426.12N
0514347.13E
FL190
HAYYA 2V ONLY

BAYAN
252926.00N
0514849.00E
13000

EGNUG
251843.02N
0514203.54E
9000
8000

HAYYA
260425.38N
0512407.37E
FL210

MISOX
251403.48N
0514406.40E
6000

SIDMU
251131.44N
0514513.15E

LAGMA
250204.62N
0514325.78E

IMKAT
250138.57N
0514220.38E

ALKAN 2V
HAYYA 2V
VEDED 2V

WARNING
Due to interaction with other routes, level restrictions, unless cleared by ATC, must be strictly adhered to.

STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

DOHA/Hamad Intl.(OTHH)
RNP RWY 34L/R
ALKAN 2V / HAYYA 2V / VEDED 2V

TABULAR DESCRIPTION

RNP STAR ALKAN 2V

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	ALKAN	-	-	-2.6	-	-	+FL200	-	-	RNP 1
2	TF	SENKI	-	225 (227.6)	-2.6	8.3	-	-	-	-	RNP 1
3	TF	LUBAK	-	229 (231.8)	-2.6	15.3	-	-	-	-	RNP 1
4	TF	BAYAN	-	218 (220.9)	-2.6	10.1	-	+13000	-	-	RNP 1
5	TF	EGNUG	-	207 (209.8)	-2.6	12.3	-	+8000/-9000	-	-	RNP 1
6	TF	MISOX	-	156 (158.2)	-2.6	5.0	-	+6000	-	-	RNP 1
7	TF	SIDMU	-	156 (158.2)	-2.6	2.7	-	-	-	-	RNP 1
8	TF	LOVAN	-	156 (158.2)	-2.6	3.2	-	+4000	-	-	RNP 1
9	TF	MUXED	-	156 (158.2)	-2.6	4.9	-	+2500/-3500	-220	-	RNP 1
10	FM	MUXED	-	156 (158.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks	Expect 2500ft for OTHH RWY 34R and 3500ft for OTHH RWY 34L at MUXED (by ATC only).										

RNP STAR HAYYA 2V

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	HAYYA	-	-	-2.6	-	-	+FL210	-	-	RNP 1
2	TF	VELAM	-	117 (119.3)	-2.6	20.3	-	+FL190	-	-	RNP 1
3	TF	VUTAN	-	116 (118.4)	-2.6	8.7	-	+FL180	-	-	RNP 1
4	TF	LUBAK	-	163 (165.3)	-2.6	13.6	-	-	-	-	RNP 1
5	TF	BAYAN	-	218 (220.9)	-2.6	10.1	-	+13000	-	-	RNP 1
6	TF	EGNUG	-	207 (209.8)	-2.6	12.3	-	+8000/-9000	-	-	RNP 1
7	TF	MISOX	-	156 (158.2)	-2.6	5.0	-	+6000	-	-	RNP 1
8	TF	SIDMU	-	156 (158.2)	-2.6	2.7	-	-	-	-	RNP 1
9	TF	LOVAN	-	156 (158.2)	-2.6	3.2	-	+4000	-	-	RNP 1
10	TF	MUXED	-	156 (158.2)	-2.6	4.9	-	+2500/-3500	-220	-	RNP 1
11	FM	MUXED	-	156 (158.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks	Expect 2500ft for OTHH RWY 34R and 3500ft for OTHH RWY 34L at MUXED (by ATC only).										

RNP STAR VEDED 2V

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	VEDED	-	-	-2.6	-	-	@FL180	-	-	RNP 1
2	TF	VELAM	-	189 (191.9)	-2.6	11.8	-	-	-250	-	RNP 1
3	TF	VUTAN	-	116 (118.4)	-2.6	8.7	-	+FL180	-	-	RNP 1
4	TF	LUBAK	-	163 (165.3)	-2.6	13.6	-	-	-	-	RNP 1
5	TF	BAYAN	-	218 (220.9)	-2.6	10.1	-	+13000	-	-	RNP 1
6	TF	EGNUG	-	207 (209.8)	-2.6	12.3	-	+8000/-9000	-	-	RNP 1
7	TF	MISOX	-	156 (158.2)	-2.6	5.0	-	+6000	-	-	RNP 1
8	TF	SIDMU	-	156 (158.2)	-2.6	2.7	-	-	-	-	RNP 1
9	TF	LOVAN	-	156 (158.2)	-2.6	3.2	-	+4000	-	-	RNP 1
10	TF	MUXED	-	156 (158.2)	-2.6	4.9	-	+2500/-3500	-220	-	RNP 1
11	FM	MUXED	-	156 (158.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks	Expect 2500ft for OTHH RWY 34R and 3500ft for OTHH RWY 34L at MUXED (by ATC only).										

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WAYPOINT LIST

RNP STAR ALKAN 2V / HAYYA 2V / VEDED 2V

Waypoint Identifier	Coordinates
ALKAN	255214.00N 0521615.00E
SENKI	254637.00N 0520928.00E
LUBAK	253705.47N 0515607.62E
BAYAN	252926.00N 0514849.00E
EGNUG	251843.02N 0514203.54E
MISOX	251403.48N 0514406.40E
SIDMU	251131.44N 0514513.15E
LOVAN	250831.68N 0514632.01E
MUXED	250356.10N 0514832.78E
HAYYA	260425.38N 0512407.37E
VELAM	255426.12N 0514347.13E
VUTAN	255015.91N 0515218.39E
VEDED	260558.26N 0514627.91E

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