

STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

DOHA/Hamad Intl.(OTHH)
RNP RWY 16L/R
ALKAN 1H / HAYYA 1H / VEDED 1H

TABULAR DESCRIPTION

RNP STAR ALKAN 1H											
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	SIVET	-	271 (273.3)	-2.6	6.2	-	-6000	-	-	RNP 1
5	TF	IMGOG	-	271 (273.3)	-2.6	14.3	-	+2500/-3500	-220	-	RNP 1
6	FM	IMGOG	-	336 (338.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks		Expect 2500ft for OTHH RWY 16L and 3500ft for OTHH RWY 16R at IMGOG (by ATC only).									

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RNP STAR HAYYA 1H											
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	TUDOM	-	112 (114.9)	-2.6	8.7	-	-	-250	-	RNP 1
5	TF	LUBAK	-	203 (205.1)	-2.6	10.5	-	-	-	-	RNP 1
6	TF	SIVET	-	271 (273.3)	-2.6	6.2	-	-6000	-	-	RNP 1
7	TF	IMGOG	-	271 (273.3)	-2.6	14.3	-	+2500/-3500	-220	-	RNP 1
8	FM	IMGOG	-	336 (338.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks		Expect 2500ft for OTHH RWY 16L and 3500ft for OTHH RWY 16R at IMGOG (by ATC only).									

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RNP STAR VEDED 1H											
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	TUDOM	-	112 (114.9)	-2.6	8.7	-	-	-250	-	RNP 1
5	TF	LUBAK	-	203 (205.1)	-2.6	10.5	-	-	-	-	RNP 1
6	TF	SIVET	-	271 (273.3)	-2.6	6.2	-	-6000	-	-	RNP 1
7	TF	IMGOG	-	271 (273.3)	-2.6	14.3	-	+2500/-3500	-220	-	RNP 1
8	FM	IMGOG	-	336 (338.2)	-2.6	-	-	-	-220	-	RNP 1
Remarks		Expect 2500ft for OTHH RWY 16L and 3500ft for OTHH RWY 16R at IMGOG (by ATC only).									

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WAYPOINT LIST

RNP STAR ALKAN 1H / HAYYA 1H / VEDED 1H	
Waypoint Identifier	Coordinates
ALKAN	255214.00N 0521615.00E
SENKI	254637.00N 0520928.00E
LUBAK	253705.47N 0515607.62E
SIVET	253727.14N 0514914.49E
IMGOG	253815.65N 0513326.34E
HAYYA	260425.38N 0512407.37E
VELAM	255426.12N 0514347.13E
VUTAN	255015.91N 0515218.39E
TUDOM	254635.66N 0520102.61E
VEDED	260558.26N 0514627.91E