STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

DIST IN NM
BEARINGS ARE MAGNETIC
ALTITUDES AND ELEV IN FEET

DOHA RADAR NORTH	121.100 / 121.625
DOHA RADAR SOUTH	120.675 / 119.150
DOHA APP WEST	119.725 / 125.125
DOHA APP EAST	124.775 / 120.600
DOHA TWR	118.900 / 119.025

DOHA/Doha Intl. (OTBD)
RNP RWY 15
ALVEN 3S / LUBET 2S / TULUB 2S

RNP 1

2300
MSA 25 NM ARP

TRANSITION ALTITUDE
13000

VAR 2.6°E-2025

LUBET
261440.67N
0510346.54E
FL180
(by ATC Only)

TULUB
260644.00N
0510041.00E
FL180
(by ATC Only)

MISEL
260906.55N
0510850.78E

PATOM
255821.41N
0511836.36E

IMSUN
255445.54N
0513833.11E
FL170

ALVEN
255418.19N
0515315.30E
FL150
(by ATC Only)

ALNAK
255053.49N
0513401.89E

EMISA
254658.35N
0514206.68E

KOBEN
253921.98N
0513334.39E
FL150

GIBIN
254006.23N
0514417.85E

PASIS
253154.63N
0514146.81E

ENELI
252959.45N
0512502.14E
12000

KOBAT
252205.76N
0513320.35E
12000

GIRKA
251738.38N
0512108.29E
9000
For ALVEN 3S and LUBET 2S only:
10000

EMORA
251230.70N
0513517.69E
500

PURIN
250341.15N
0513314.61E

KUTER
250149.00N
0512807.93E
6000
MAX 230 KIAS

LUBET 2S
TULUB 2S
ALVEN 3S
LUBET 2S
TULUB 2S
ALVEN 3S
LUBET 2S

R53 3000 SFC
R51 3000 SFC
R55 3000 SFC
R62 13000 SFC
R64 5000 SFC
R52 UNL SFC
R58 3000 SFC
R56 5000 SFC
D29 500 SFC
R61 3000 SFC
P43 15000 SFC
P48 UNL SFC
P49 1500 SFC
P47 5000 SFC
P44 1500 SFC
P45 1500 SFC
R60 1000 SFC

Hamad Intl.
Doha Intl.
Al-Udaid

COM FAILURE
In case of communication failure:
- Squawk 7600.
- Climb to 3000ft or last assigned and acknowledged ALT/FL, whichever is higher.
- Leave last assigned and acknowledged ALT/FL three minutes after reaching the ALT/FL or after selecting the squawk code, whichever is later.
- Continue climb to FPL FL and proceed to first en-route point according to FPL.

GENERAL INFORMATION:
- Close-in obstacles exist right side of RCL up to 112ft AMSL.
- Initial climb altitude 6000ft. Further climb by ATC instruction only.

(1) When passing 500 but not before EMORA, turn right direct to PURIN.

(2) Further climb clearance by ATC.

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

SCALE 1:500000
NM -1 0 1 2 3 4 5
KM -2 0 2 4 6 8 10

STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

DOHA/Doha Intl. (OTBD)
RNP RWY 15
ALVEN 3S / LUBET 2S / TULUB 2S

TABULAR DESCRIPTION

RNP SID ALVEN 3S

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	CF	EMORA	Y	156 (158.2)	-2.6	2.0	-	-	-	-	RNP1
2	CA	-	-	156 (158.2)	-2.6	-	-	+500	-	-	RNP1
3	DF	PURIN	-	-	-2.6	-	R	-	-	-	RNP1
4	TF	KUTER	-	246 (248.1)	-2.6	5.0	-	@6000	-230	-	RNP1
5	TF	GIRKA	-	336 (338.1)	-2.6	17.0	-	+10000	-	-	RNP1
6	TF	KOBAT	-	066 (068.1)	-2.6	11.9	-	+12000	-	-	RNP1
7	TF	PASIS	-	035 (038.0)	-2.6	12.4	-	-	-	-	RNP1
8	TF	GIBIN	-	013 (015.6)	-2.6	8.5	-	-	-	-	RNP1
9	TF	ALVEN	-	027 (029.7)	-2.6	16.3	-	-FL150	-	-	RNP1
Remarks	ALVEN -FL150 by ATC only										

RNP SID LUBET 2S

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	CF	EMORA	Y	156 (158.2)	-2.6	2.0	-	-	-	-	RNP1
2	CA	-	-	156 (158.2)	-2.6	-	-	+500	-	-	RNP1
3	DF	PURIN	-	-	-2.6	-	R	-	-	-	RNP1
4	TF	KUTER	-	246 (248.1)	-2.6	5.0	-	@6000	-230	-	RNP1
5	TF	GIRKA	-	336 (338.1)	-2.6	17.0	-	+10000	-	-	RNP1
6	TF	KOBAT	-	066 (068.1)	-2.6	11.9	-	+12000	-	-	RNP1
7	TF	PASIS	-	035 (038.0)	-2.6	12.4	-	-	-	-	RNP1
8	TF	GIBIN	-	013 (015.6)	-2.6	8.5	-	-	-	-	RNP1
9	TF	EMISA	-	341 (343.9)	-2.6	7.1	-	-	-	-	RNP1
10	TF	IMSUN	-	335 (337.5)	-2.6	8.4	-	-FL170	-	-	RNP1
11	TF	MISEL	-	296 (298.2)	-2.6	30.3	-	-	-	-	RNP1
12	TF	LUBET	-	318 (320.6)	-2.6	7.2	-	+FL180	-	-	RNP1
Remarks	LUBET +FL180 by ATC only										

RNP SID TULUB 2S

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	CF	EMORA	Y	156 (158.2)	-2.6	2.0	-	-	-	-	RNP 1
2	CA	-	-	156 (158.2)	-2.6	-	-	+500	-	-	RNP 1
3	DF	PURIN	-	-	-2.6	-	R	-	-	-	RNP 1
4	TF	KUTER	-	246 (248.1)	-2.6	5.0	-	@6000	-230	-	RNP 1
5	TF	GIRKA	-	336 (338.1)	-2.6	17.0	-	+9000	-	-	RNP 1
6	TF	ENELI	-	013 (016.0)	-2.6	12.8	-	-12000	-	-	RNP 1
7	TF	KOBEN	-	037 (039.5)	-2.6	12.1	-	@FL150	-	-	RNP 1
8	TF	ALNAK	-	359 (002.1)	-2.6	11.5	-	-	-	-	RNP 1
9	TF	PATOM	-	296 (298.2)	-2.6	15.8	-	-	-	-	RNP 1
10	TF	TULUB	-	295 (297.4)	-2.6	18.2	-	+FL180	-	-	RNP1
Remarks	TULUB +FL180 by ATC only										

WAYPOINT LIST

RNP SID ALVEN 3S / LUBET 2S / TULUB 2S	
Waypoint Identifier	**Coordinates**
EMORA	251230.70N 0513517.69E
PURIN	250341.15N 0513314.61E
KUTER	250149.00N 0512807.93E
GIRKA	251738.38N 0512108.29E
KOBAT	252205.76N 0513320.35E
PASIS	253154.63N 0514146.81E
GIBIN	254006.23N 0514417.85E
ALVEN	255418.19N 0515315.30E

RNP SID ALVEN 3S / LUBET 2S / TULUB 2S	
Waypoint Identifier	**Coordinates**
EMISA	254658.35N 0514206.68E
IMSUN	255445.54N 0513833.11E
MISEL	260906.55N 0510850.78E
LUBET	261440.67N 0510346.54E
ENELI	252959.45N 0512502.14E
KOBEN	253921.98N 0513334.39E
ALNAK	255053.49N 0513401.89E
PATOM	255821.41N 0511836.36E
TULUB	260644.00N 0510041.00E

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