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 33
ALVEN 4N / LUBET 3N / TULUB 3N

RNP 1

2300
MSA 25 NM ARP

VAR 2.6°E-2025

TRANSITION ALTITUDE
13000

LUBET
261440.67N
0510346.54E
FL180
(by ATC Only)

MISEL
260906.55N
0510850.78E

TULUB
260644.00N
0510041.00E
FL180
(by ATC Only)

PATOM
255821.41N
0511836.36E

IMSUN
255445.54N
0513833.11E
FL170
(by ATC Only)

ALVEN
255418.19N
0515315.30E
FL150
(by ATC Only)

ALNAK
255053.49N
0513401.89E

EMISA
254658.35N
0514206.68E

KOBEN
253921.98N
0513334.39E

GIBIN
254006.23N
0514417.85E

DEMBO
253453.32N
0513932.53E

SOKEN
252704.81N
0513225.39E

REVIN
252809.09N
0513754.68E

ULDOR
252210.12N
0512740.83E
2500
MAX 210 KIAS

SILSU
251845.91N
0513232.29E

KIPIK
251317.45N
0512900.51E
5000
MAX 230 KIAS

EGMED
251459.66N
0513634.80E
MAX 250 KIAS

Doha Intl.
Hamad Intl.

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

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 each side of RCL up to 135ft AMSL.
- 6.5% CG required to 1100ft.
- Initial climb altitude 5000ft. Further climb by ATC instruction only.

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

(1) CTN: P47 SFC/5000ft.
Do not fly west of track 142° to KIPIK.
25° BANK OR STANDARD RATE REQUIRED.

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 33
ALVEN 4N / LUBET 3N / TULUB 3N

TABULAR DESCRIPTION

RNP SID ALVEN 4N

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	SILSU	Y	336 (338.2)	-2.6	2.0	-	-	-	-	RNP 1
2	CF	ULDOR	Y	305 (307.6)	-2.6	5.6	-	+2500	-210	-	RNP 1
3	DF	KIPIK	-	-	-2.6	-	L	@5000	-230	-	RNP 1
4	TF	EGMED	-	073 (076.1)	-2.6	7.1	-	-	-250	-	RNP 1
5	TF	REVIN	-	003 (005.2)	-2.6	13.2	-	-	-	-	RNP 1
6	TF	DEMBO	-	010 (012.4)	-2.6	6.9	-	-	-	-	RNP 1
7	TF	GIBIN	-	037 (039.6)	-2.6	6.7	-	-	-	-	RNP 1
8	TF	ALVEN	-	027 (029.7)	-2.6	16.3	-	-FL150	-	-	RNP 1
Remarks	ALVEN -FL150 by ATC only										

RNP SID LUBET 3N

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	SILSU	Y	336 (338.2)	-2.6	2.0	-	-	-	-	RNP 1
2	CF	ULDOR	Y	305 (307.6)	-2.6	5.6	-	+2500	-210	-	RNP 1
3	DF	KIPIK	-	-	-2.6	-	L	@5000	-230	-	RNP 1
4	TF	EGMED	-	073 (076.1)	-2.6	7.1	-	-	-250	-	RNP 1
5	TF	REVIN	-	003 (005.2)	-2.6	13.2	-	-	-	-	RNP 1
6	TF	DEMBO	-	010 (012.4)	-2.6	6.9	-	-	-	-	RNP 1
7	TF	EMISA	-	008 (010.9)	-2.6	12.3	-	-	-	-	RNP 1
8	TF	IMSUN	-	335 (337.5)	-2.6	8.4	-	-FL170	-	-	RNP 1
9	TF	MISEL	-	296 (298.2)	-2.6	30.3	-	-	-	-	RNP 1
10	TF	LUBET	-	318 (320.6)	-2.6	7.2	-	+FL180	-	-	RNP 1
Remarks	IMSUN -FL170 and LUBET +FL180 by ATC only										

RNP SID TULUB 3N

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	SILSU	Y	336 (338.2)	-2.6	2.0	-	-	-	-	RNP 1
2	CF	ULDOR	Y	305 (307.6)	-2.6	5.6	-	+2500	-210	-	RNP 1
3	DF	KIPIK	-	-	-2.6	-	L	@5000	-230	-	RNP 1
4	TF	EGMED	-	073 (076.1)	-2.6	7.1	-	-	-250	-	RNP 1
5	TF	SOKEN	-	340 (342.7)	-2.6	12.6	-	-	-	-	RNP 1
6	TF	KOBEN	-	002 (004.8)	-2.6	12.3	-	-	-	-	RNP 1
7	TF	ALNAK	-	359 (002.1)	-2.6	11.5	-	-	-	-	RNP 1
8	TF	PATOM	-	296 (298.2)	-2.6	15.8	-	-	-	-	RNP 1
9	TF	TULUB	-	295 (297.4)	-2.6	18.2	-	+FL180	-	-	RNP 1
Remarks	TULUB +FL180 by ATC only										

WAYPOINT LIST

RNP SID ALVEN 4N / LUBET 3N / TULUB 3N	
Waypoint Identifier	Coordinates
SILSU	251845.91N 0513232.29E
ULDOR	252210.12N 0512740.83E
KIPIK	251317.45N 0512900.51E
EGMED	251459.66N 0513634.80E
REVIN	252809.09N 0513754.68E
DEMBO	253453.32N 0513932.53E
GIBIN	254006.23N 0514417.85E
ALVEN	255418.19N 0515315.30E
EMISA	254658.35N 0514206.68E
IMSUN	255445.54N 0513833.11E

RNP SID ALVEN 4N / LUBET 3N / TULUB 3N	
Waypoint Identifier	Coordinates
MISEL	260906.55N 0510850.78E
LUBET	261440.67N 0510346.54E
SOKEN	252704.81N 0513225.39E
KOBEN	253921.98N 0513334.39E
ALNAK	255053.49N 0513401.89E
PATOM	255821.41N 0511836.36E
TULUB	260644.00N 0510041.00E

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