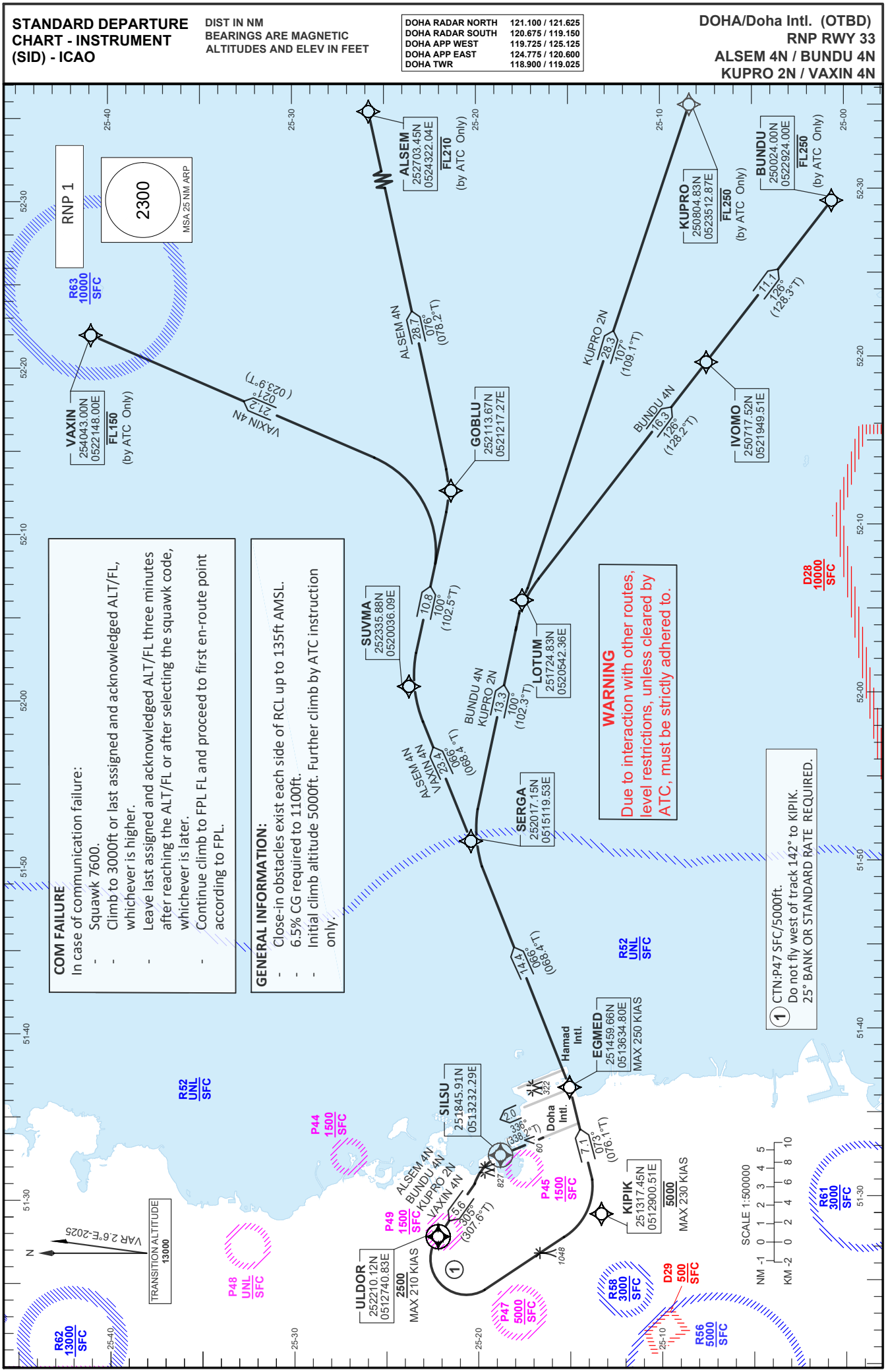

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO
DIST IN NM
BEARINGS ARE MAGNETIC
ALTITUDES AND ELEV IN FEET
DOHA RADAR NORTH 121.100 / 121.625
DOHA RADAR SOUTH 120.675 / 119.150
DOHA APP WEST 119.725 / 125.125
DOHA APP EAST 124.775 / 120.600
DOHA TWR 118.900 / 119.025
DOHA/Doha Intl. (OTBD)
RNP RWY 33
ALSEM 4N / BUNDU 4N
KUPRO 2N / VAXIN 4N
RNP 1
2300
MSA 25 NM ARP
R63 10000 SFC
VAXIN 254043.00N 0522148.00E FL150 (by ATC Only)
ALSEM 252703.45N 0524322.04E FL210 (by ATC Only)
KUPRO 250804.83N 0523512.87E FL250 (by ATC Only)
BUNDU 250024.00N 0522924.00E FL250 (by ATC Only)
IVOMO 250717.52N 0521949.51E
GOBLU 252113.67N 0521217.27E
SUVMA 252335.88N 0520036.09E
LOTUM 251724.83N 0520542.36E
SERGA 252017.15N 0515119.53E
EGMED 251459.66N 0513634.80E MAX 250 KIAS
SILSU 251845.91N 0513232.29E
KIPIK 251317.45N 0512900.51E 5000 MAX 230 KIAS
ULDOR 252210.12N 0512740.83E 2500 MAX 210 KIAS
VAXIN 4N 21.2 021° (023.9°T)
ALSEM 4N 28.7 076° (078.2°T)
KUPRO 2N 28.3 107° (109.1°T)
BUNDU 4N 16.3 126° (128.2°T)
11.1 126° (128.3°T)
10.8 100° (102.5°T)
BUNDU 4N KUPRO 2N 13.3 100° (102.3°T)
ALSEM 4N VAXIN 4N 23.4 066° (068.4°T)
14.4 066° (068.4°T)
7.1 073° (076.1°T)
2.0 336° (338.3°T)
15.6 305° (307.6°T)
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.
R52 UNL SFC
P44 1500 SFC
P45 1500 SFC
P49 1500 SFC
P48 UNL SFC
P47 5000 SFC
R58 3000 SFC
D29 500 SFC
R56 5000 SFC
R62 13000 SFC
R61 3000 SFC
D28 10000 SFC
Hamad Intl.
Doha Intl.
VAR 2.6°E-2025
TRANSITION ALTITUDE 13000
SCALE 1:500000
NM -1 0 1 2 4 6 8 10
KM -2 0 2 4 6 8 10

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

DOHA/Doha Intl. (OTBD)
RNP RWY 33
ALSEM 4N / BUNDU 4N / KUPRO 2N / VAXIN 4N

TABULAR DESCRIPTION

RNP SID ALSEM 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	SUVMA	-	066 (068.4)	-2.6	23.4	-	-	-	-	RNP 1
6	TF	GOBLU	-	100 (102.5)	-2.6	10.8	-	-	-	-	RNP 1
7	TF	ALSEM	-	076 (078.2)	-2.6	28.7	-	-FL210	-	-	RNP 1
Remarks	ALSEM -FL210 by ATC only										

RNP SID BUNDU 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	SERGA	-	066 (068.4)	-2.6	14.4	-	-	-	-	RNP 1
6	TF	LOTUM	-	100 (102.3)	-2.6	13.3	-	-	-	-	RNP 1
7	TF	IVOMO	-	126 (128.2)	-2.6	16.3	-	-	-	-	RNP 1
8	TF	BUNDU	-	126 (128.3)	-2.6	11.1	-	-FL250	-	-	RNP 1
Remarks	BUNDU -FL250 by ATC only										

RNP SID KUPRO 2N

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	SERGA	-	066 (068.4)	-2.6	14.4	-	-	-	-	RNP 1
6	TF	LOTUM	-	100 (102.3)	-2.6	13.3	-	-	-	-	RNP 1
7	TF	KUPRO	-	107 (109.1)	-2.6	28.3	-	-FL250	-	-	RNP 1
Remarks	KUPRO -FL250 by ATC only										

RNP SID VAXIN 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	SUVMA	-	066 (068.4)	-2.6	23.4	-	-	-	-	RNP 1
6	TF	GOBLU	-	100 (102.5)	-2.6	10.8	-	-	-	-	RNP 1
7	TF	VAXIN	-	021 (023.9)	-2.6	21.2	-	-FL150	-	-	RNP 1
Remarks	VAXIN -FL150 by ATC only										

WAYPOINT LIST

RNP SID ALSEM 4N / BUNDU 4N / KUPRO 2N / VAXIN 4N

Waypoint Identifier	Coordinates
SILSU	251845.91N 0513232.29E
ULDOR	252210.12N 0512740.83E
KIPIK	251317.45N 0512900.51E
EGMED	251459.66N 0513634.80E
SERGA	252017.15N 0515119.53E
LOTUM	251724.83N 0520542.36E
IVOMO	250717.52N 0521949.51E

RNP SID ALSEM 4N / BUNDU 4N / KUPRO 2N / VAXIN 4N

Waypoint Identifier	Coordinates
BUNDU	250024.00N 0522924.00E
KUPRO	250804.83N 0523512.87E
SUVMA	252335.88N 0520036.09E
GOBLU	252113.67N 0521217.27E
ALSEM	252703.45N 0524322.04E
VAXIN	254043.00N 0522148.00E

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