

ENR 6 EN-ROUTE CHARTS

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ENROUTE CHART - ICAO

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AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

BOUNDARIES

FLIGHT INFORMATION REGION (FIR)
CONTROL ZONE (CTR)
TERMINAL AREA BOUNDARY (TMA)
CONTROL AREA (CTA)

REPORTING POINTS

COMPULSORY FLY-BY WAYPOINT
COMPULSORY MET FLY-BY WAYPOINT
ATS ROUTE REPORTING POINT BY-PASS
(NO REPORT IS REQUIRED ON THIS ROUTE)

NAVIGATIONAL AIDS

COMPASS ROSE
VOR/DME
VORTAC
AERODROME

ATS ROUTES

Diagram illustrating the components of a magnetic track label:

- MAGNETIC TRACK
- ROUTE DESIGNATOR (B415)
- DISTANCE IN NAUTICAL MILES (34)
- DIRECTION OF FLIGHT
- ROUTE LOWER LIMIT (4500)

CONTROL AREA IDENTIFICATION

Diagram illustrating the components of a vertical limits control area box:

- TMA: TYPE OF CONTROL AREA
- DCMA: NAME OF CONTROL AREA
- 4500: UPPER LIMIT
- 2500: LOWER LIMIT
- DCMA APP: UNIT PROVIDING SERVICE

The vertical limits (UPPER LIMIT and LOWER LIMIT) are indicated by a bracket on the right side of the box.

RESTRICTED AIRSPACE (P-Prohibited, R- Restricted, D-Danger)

Diagram illustrating the components of a rectangular area:

- R52**: IDENTIFICATION OF AREA
- LINE**: VERTICAL LIMITS
- SFC**: VERTICAL LIMITS

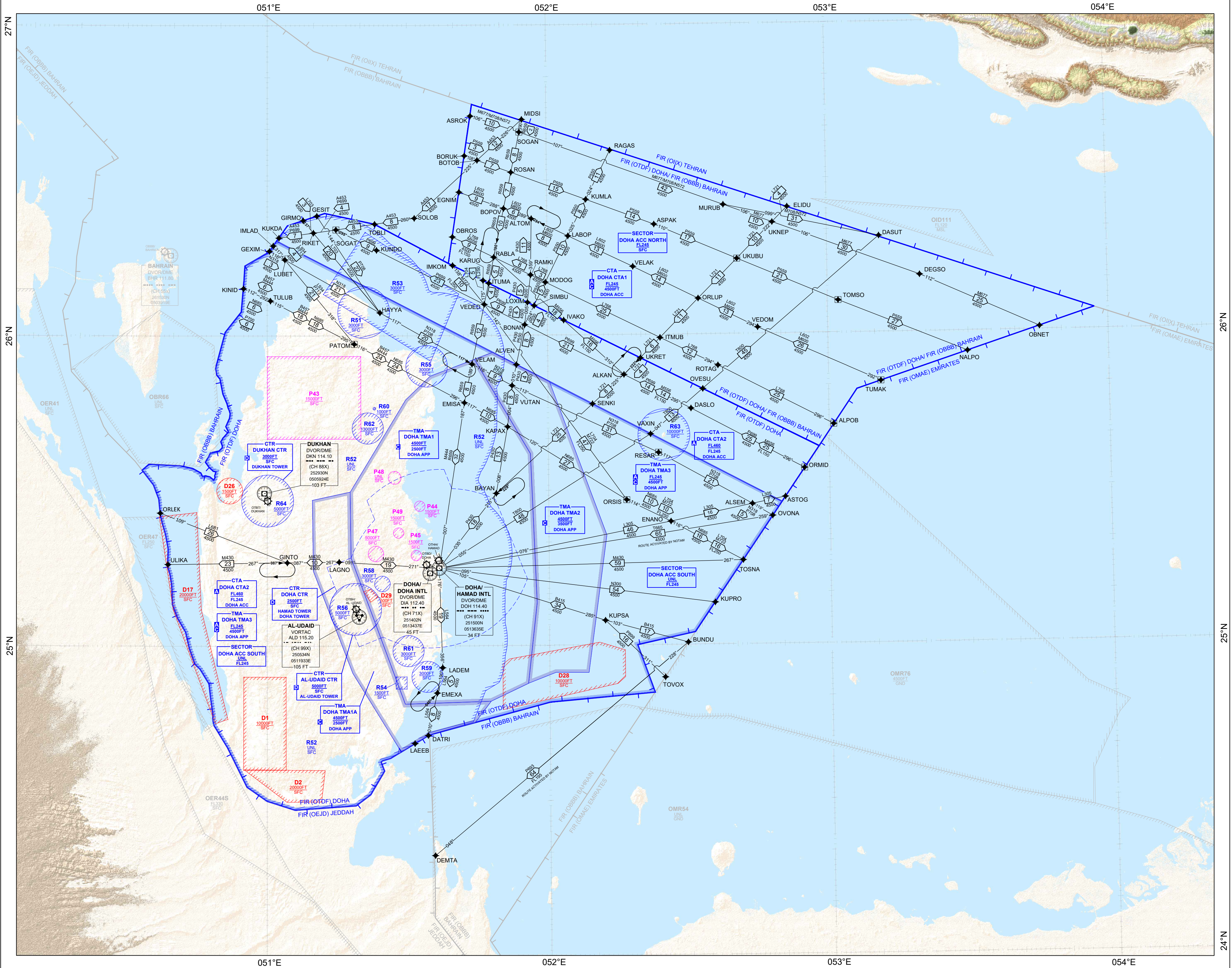
SIGNIFICANT POINTS

WAYPOINT	COORDINATE	WAYPOINT	COORDINATE
ALKAN	255214N 0521615E	LAGO	251613N 0511518E
ALPOB	254218N 0530055E	LOXIM	260621N 0515541E
ALSEM	252730N 0524322E	LUBET	264441N 0510347E
ALTOM	252203N 0516339E	MOSI	264142N 0515442E
ASPEN	254181N 0515315E	MDOG	261012N 0515935E
AVALK	262115N 0522527E	MURUB	262455N 0523751E
BASTROG	264225N 0514305E	NALPO	256002N 0523945E
BSASTOK	258282N 0520365E	ONBET	260032N 0534514E
BAYAN	252926N 0514849E	OBROS	261903N 0513940E
BONAN	262021N 0515505E	ORLEK	252542N 0503712E
BOPOV	262430N 0515043E	ORUP	260651N 0532126E
BORUK	263444N 0514218E	ORIS	253354N 0525344E
BOTOB	263530N 0514505E	ORMIS	252801N 0521636E
BUNDUNDO	250024N 0522029E	OVESU	254923N 0523301E
BUNSLA	254537N 0520294E	OVONA	254243N 0524739E
DASUT	261832N 0531108E	PATOM	255821N 0511836E
DEGO	244239N 0513407E	RABLA	261506N 0548344E
DESSO	261054N 0531946E	RAGAS	263537N 0521337E
DEMINTA	241926N 0513533E	RANKI	261138N 0516625E
ENGIM	262743N 0514108E	RESAR	253707N 0522328E
ELUDA	262424N 0521333E	RIKET	261952N 0510954E
EMEXA	245052N 0513604E	ROKAT	263129N 0515200E
EMEMISA	254568N 0514207E	ROTAG	255335N 0523621E
ENANO	252438N 0522559E	SENKI	254637N 0520928E
ESGESIT	262309N 0511036E	SIMBU	260542N 0515707E
ESXIM	261621N 0510026E	SOGAN	255408N 0515408E
GENTO	251602N 0510416E	SOGET	262029N 0511443E
GIRMO	262217N 0510740E	SOLO	262241N 0513132E
HAYYA	260425N 0512047E	TOLBI	262134N 0512301E
MKOM	261331N 0513945E	TOMSO	260611N 0520214E
MLAD	261723N 0511011E	TOSNA	251612N 0524116E
MTJUB	255919N 0522402E	TOVOX	254342N 0522429E
NUMA	261005N 0514725E	TULUB	260644N 0510041E
VAKO	260251N 0520325E	TUMAK	255031N 0531108E
XARAPAK	254218N 0515118E	UKNET	262127N 0524818E
YAKUP	261036N 0514614E	UNEP	255262N 0521946E
YKIND	260908N 0505452E	UKUBA	254258N 0524039E
ZUNDA	261855N 0510228E	ULIKA	251454N 0503849E
ZUMLA	260639N 0520822E	VADIN	254043N 0521448E
KUNDO	261631N 0512325E	VEDEX	260558N 0514628E
KUPRO	250805N 0523513E	VEDOM	260109N 0524456E
KUPSA	250405N 052151E	VELAK	253027N 0521821E
RABO	261907N 0520249E	VELAM	261460N 0514347E
RAED	245455N 0513714E	VUTAN	255016N 0515218E
ADEF	244106N 0513118E		

COMMUNICATION FACILITIES (MHZ)

AL-UDAID TOWER	125.500	293.650
DOHA ACC NORTH	135.725	133.725
DOHA ACC SOUTH	132.975	136.475
DOHA APPROACH WEST	119.725	125.125
DOHA APPROACH EAST	124.775	120.600
DOHA DIRECTOR WEST	123.875	119.225
DOHA DIRECTOR EAST	119.400	121.125
DOHA DIRECTOR	124.050	121.775
DOHA RADAR NORTH	121.100	121.625
DOHA RADAR SOUTH	120.675	119.150
DOHA TOWER	118.900	119.025
HAMAD TOWER EAST	118.525	118.225
HAMAD TOWER WEST	118.025	118.225

Note:
All Aeronautical Data outside Doha FIR refer to appropriate AIP for updated data.



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SECOND EDITION

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QATAR
AERONAUTICAL CHART - ICAO
SCALE 1 : 500.000

Edition : 44th
Effective : 06 AUG 2026



الهيئة العامة للطيران المدني
Civil Aviation Authority
دولة قطر State of Qatar

Produced **INDOAVIS NUSANTARA**
Aeronautical Data from Qatar Aeronautical Information Publication (AIP), 2nd Edition, Effective 06 AUG 2026
Topographic Data from geoportal.gisqatar.org.qa (update 2022)

INTERCHART RELATIONSHIP



NOTES / DATA SOURCE
This chart is intended for operational support use. For current operational data please check AIP Aerodrome details in the Qatar AIP.
All Aeronautical Data outside of Qatar are extracted from the most recent data available at the date of issue.

AERODROME

-  Civil Land
 Military Land
 Joint Civil and Military Land
 Emergency aerodrome or aerodrome with no facilities
 Runway pattern of the aerodrome
- Aerodrome location indicator → OTBD
 D094 ← Name of aerodrome
 Aerodrome → 13 4600 ← Length of longest runway in metres
 elevation in feet

RADIO NAVIGATION AIDS

- NDB (Non-directional radio beacon)
- VOR (VHF omnidirectional radio range)
- DME (Distance measuring equipment)
- VOR/DME (Collocated VOR and DME radio navigation aids)
- VORTAC (Collocated VOR and TACAN)
- CLASS E AIRSPACE**
- Type: **TMA**
- Airspace classification: **DOHA TMA1**
- Unit providing services: **FL245**
- 4500 FT**
- DOHA APP**
- Name of Airspace
- Upper Limit
- Lower Limit

AIRSPACE RESTRICTIONS

- Channel DVOR/CME 112.40 Frequency
Identification CH 71X DOH Morse Code
- D29** D (Danger) Areas
OT R29 R (Restricted) Areas
P29 P (Prohibited) Areas

To be orientated on the chart in accordance with the

AIR TRAFFIC SERVICES

- Compass rose to be used as appropriate in combination with the following symbols:
- FIR (Flight Information Region)
 - ATZ (Aerodrome traffic zone)
 - CTR (Control Zone)

SIGNIFICANT POINT

- ▲ VFR Reporting point

CULTURE

- | | | | | | |
|---|--------------------|---|-----------|---|-------------------------------|
|  | City or large town |  | Contours |  | Obstacle and group |
|  | Town |  | Sand area |  | Obstacle and group. Lighted |
| | | | | | Exceptionally high obstacle - |

HIGHWAYS AND ROADS

-  Major road
 Primary road
 Secondary road
 Rail road
-  Spot elevation
 Elevation of the top (Above mean sea level)
 Height above ground

MISCELLANEOUS

- | | | | |
|---|-----------------------------|---|------------------------|
| --- --- | Isogonic line or isogon |  | Shoreline (reliable) |
| - - - - | Boundaries (international) |  | Lakes (perennial) |
| -T-T- | Prominent transmission line |  | Lakes (non perennial) |
| — — — | Pipeline |  | Coral reefs and ledges |
|  | Oil or gas field | | |
|  | Mines and quarries | | |
|  | Race track or stadium | | |
|  | Nature Reserved area | | |

MORSE CO

- | | | | | | | | |
|---|-----------|---|-----------|---|-----------|---|-----------------|
| A | ■ | J | ■ ■ ■ ■ ■ | S | ■ ■ ■ | 1 | ■ ■ ■ ■ ■ ■ ■ ■ |
| B | ■ ■ ■ ■ ■ | K | ■ ■ ■ ■ ■ | T | ■ ■ ■ ■ ■ | 2 | ■ ■ ■ ■ ■ ■ ■ ■ |
| C | ■ ■ ■ ■ ■ | L | ■ ■ ■ ■ ■ | U | ■ ■ ■ ■ ■ | 3 | ■ ■ ■ ■ ■ ■ ■ ■ |
| D | ■ ■ ■ ■ ■ | M | ■ ■ ■ ■ ■ | V | ■ ■ ■ ■ ■ | 4 | ■ ■ ■ ■ ■ ■ ■ ■ |
| E | ■ ■ ■ ■ ■ | N | ■ ■ ■ ■ ■ | W | ■ ■ ■ ■ ■ | 5 | ■ ■ ■ ■ ■ ■ ■ ■ |
| F | ■ ■ ■ ■ ■ | O | ■ ■ ■ ■ ■ | X | ■ ■ ■ ■ ■ | 6 | ■ ■ ■ ■ ■ ■ ■ ■ |
| G | ■ ■ ■ ■ ■ | P | ■ ■ ■ ■ ■ | Y | ■ ■ ■ ■ ■ | 7 | ■ ■ ■ ■ ■ ■ ■ ■ |
| H | ■ ■ ■ ■ ■ | Q | ■ ■ ■ ■ ■ | Z | ■ ■ ■ ■ ■ | 8 | ■ ■ ■ ■ ■ ■ ■ ■ |
| I | ■ ■ ■ ■ ■ | R | ■ ■ ■ ■ ■ | | | 9 | ■ ■ ■ ■ ■ ■ ■ ■ |

GEOREF

- | | |
|---|-------------------------------|
| RH | Geographical reference system |
| Lambert Horizontal Datum : World Geodetic System - 1984 (WGS-84),
Lambert Conformal Conic Projection,
Standard Parallels 25°20' and 30°40'
Highest terrain elevation is 662 feet, located at N24°26'24.3" - E50°01'10.4" | |

Consult AIP and NOTAM for latest information. No responsibility is taken for any data outside of Qatar.
User noting errors or omissions on this chart are kindly requested to inform

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Aeronautical Information Services
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Phone : +974 4470 5566 / 5577
email : caha.aip@caav.qa
Web : <https://www.caa.qa>
<https://www.caa.qa/qatar/aeronautical-information-management>

MAXIMUM ELEVATION FIGURE (MEF) _____

The Maximum Elevation Figure shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSAND & HUNDREDS of feet above mean sea level.

The MEF is based on information available concerning the highest known feature in each 30' quadrangle, including terrain elevation plus 200 FT and obstructions (trees, towers, antennas, etc.). In areas of extensive unreliable relief the MEF is shown by a note spread across the area.

CONVERSION GRAPH
(1 meter = 3.28 feet)

Meters	Feet
1500	4900
	4800
	4700
1400	4600
	4500
	4400
1300	4300
	4200
	4100
	4000
1200	3900
	3800
	3700
1100	3600
	3500
	3400
1000	3300
	3200
	3100
	3000
900	2900
	2800
	2700
800	2600
	2500

ELEVATIONS IN FEET All elevation values (Aeronautical, Relief and Hydrographic) are based on Mean Sea Level.



COMMUNICATION FACILITIES (MHZ)

UDAID TOWER	125.500	293.650
DOHA ACC (CTA1)	135.725	133.725
DOHA ACC (CTA2)	132.975	136.475
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DOHA RADAR SOUTH	120.675	119.150
DOHA TOWER	118.900	119.025
AMAD TOWER EAST	118.525	118.225
AMAD TOWER WEST	118.025	118.225

PROCEDURES TO BE OBSERVED BY VFR AIRCRAFT IN

ND OUT OF DOHA CONTROL ZONE

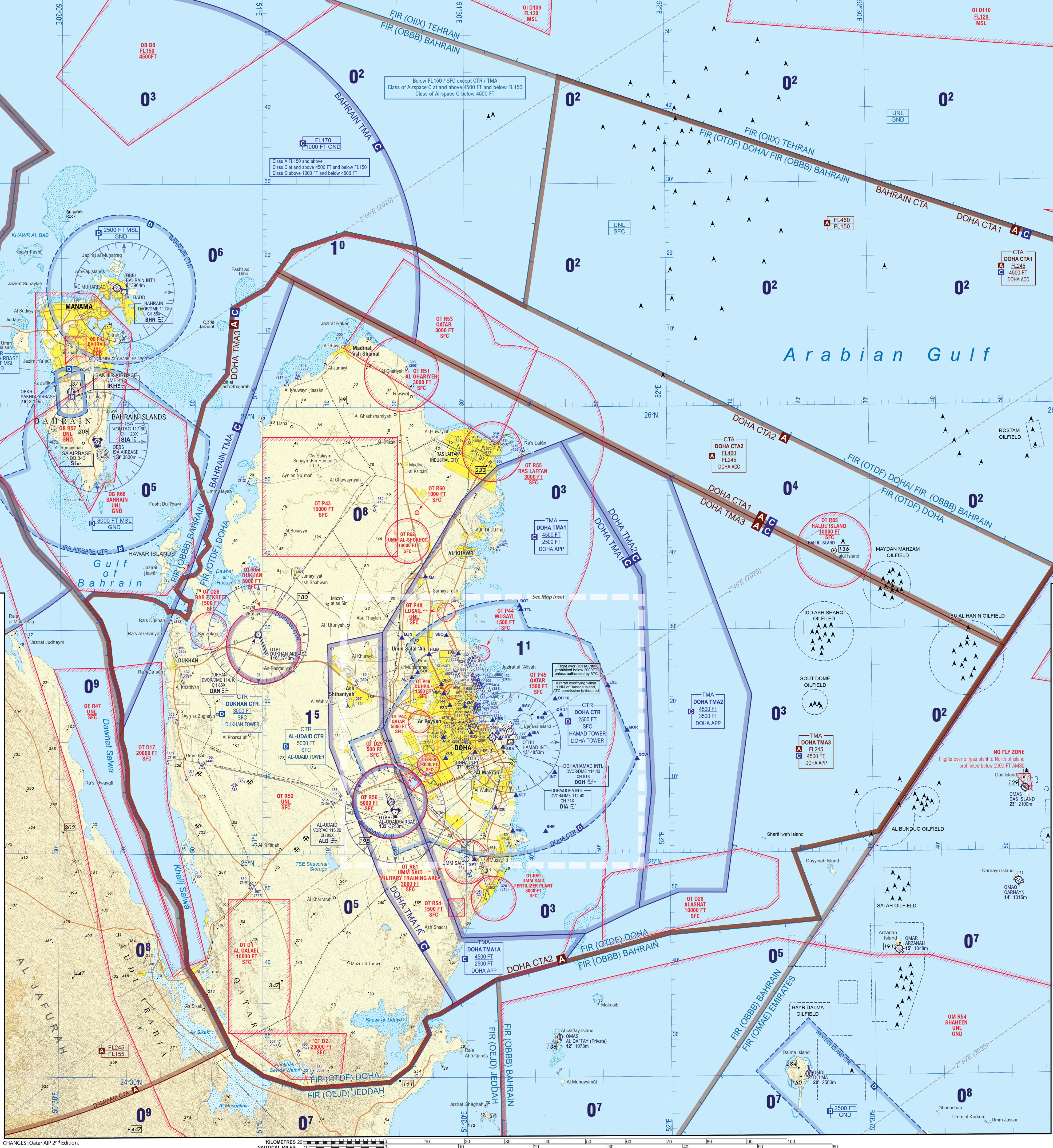
Aircraft operating under Visual Flight Rules (VFR) to report control zone boundary outbound at nearest Visual Reporting point to their desired tracks. Visual Reporting Points

Reporting points for Civil Fixed Wing aircraft

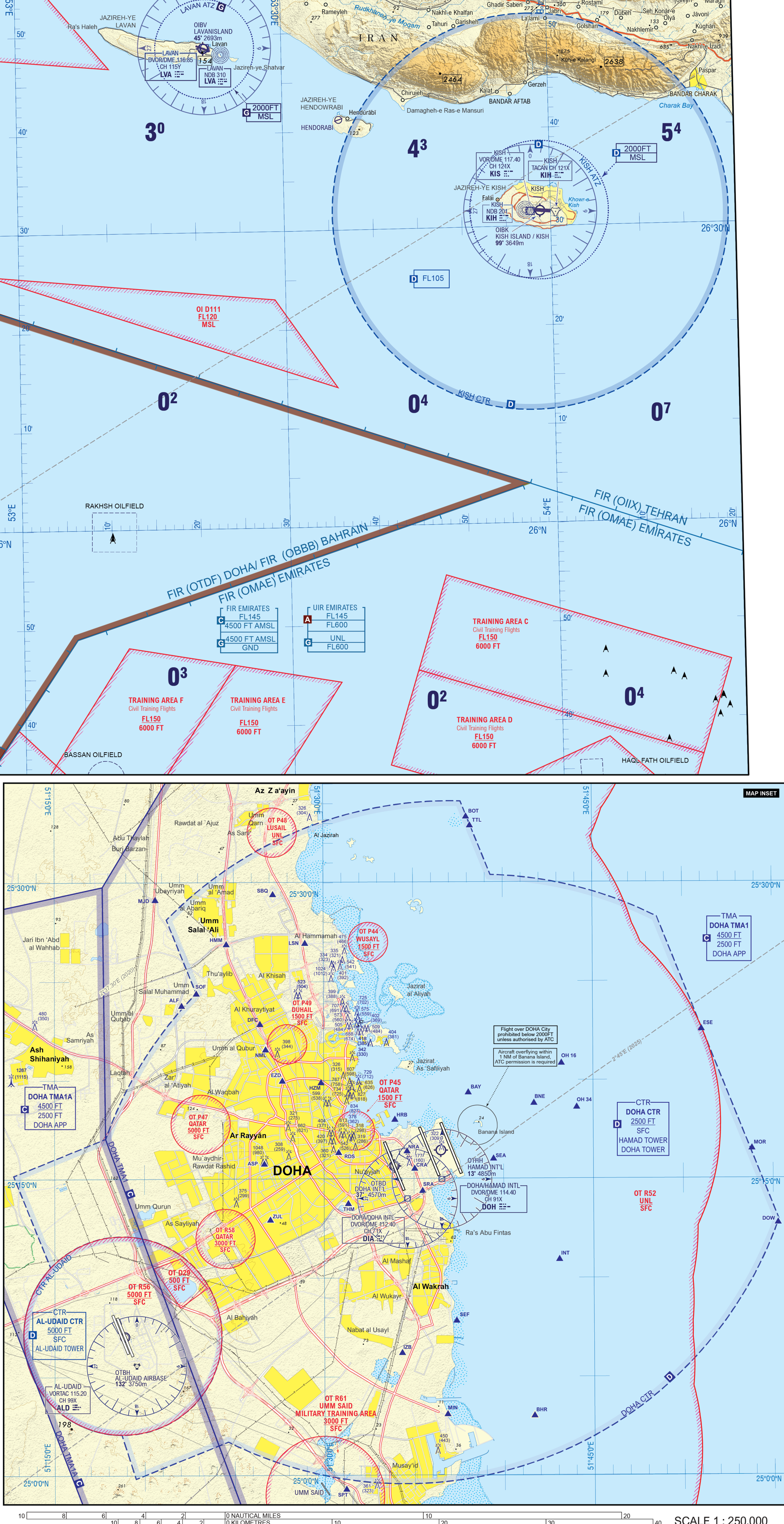
HAZM (HZM)	21955.49N	0512951.13E
PHA (PLF)	252344.84N	0512204.72E
SPIRE (ASP)	251544.78N	0512641.36E
ENTRIL ROUNDABOUT (CRA)	215631.20N	0513503.57E
ADRISSON (RDS)	216169.73N	0513049.22E
HAMAL (SML)	25237.165N	0512405.05E
DOFA (DOF)	25425.00N	0512254.00E
DOUTH POINT (SPT)	245917.99N	0513111.90E
HUMAMA (THM)	213344.29N	0513270.43E
JULI (ZUL)	212555.01N	0512700.39E

Reporting points for Helicopter Route :

ASPR (AZM)	251955.498	0512951.136
ASPRM (AZM)	251454.788	0512641.306
ASPRM (AZM)	2516300.70N	0514141.306
ANNA EAST (ENE)	251850.498	0514140.25F
AY-YAYT (BY-AYT)	251923.408	0513802.40E
AYT (BOT)	25139.171N	0513801.01E
CENTRAL ROUNDABOUT (CRA)	251531.20N	0513503.57E
HOWEY DRIVE	251245.638	0515515.32E
NEW JERSEY STATE CITY (DPC)	2512247.58N	0512650.50E
SUNSHINE EDGE (ESE)	251237.73N	0515101.10E
DDAN (ZDN)	251957.21N	0512740.42E
MAMAMAMA (HMM)	252653.28N	0512435.68E
HERBER (HRB)	251800.58N	0513537.07E
INTERCEPT POINT (INT)	251055.73N	0514305.54E
LAZ (IZB)	25061.168N	0513420.36E
USA JAIL (JAIL LSN)	25061.168N	0512936.36E
AJD (MMD)	252903.618N	0512036.29E
INJA (MIN)	250304.70N	0513653.33E
ORIAN (ORI)	251631.56N	0515349.00E
ORTH MALL (NML)	251623.68N	0512645.23E
ORTH ROUNDABOUT (NRA)	25123.158N	0513438.06E
ORTH ROUNDABOUT (NRA)	25123.158N	0513438.06E
ORANGE HOLE 34 (OH 34)	251838.13N	0514044.82E
DISANCE RDS	251679.73N	0513044.22E
CA (SBD)	252922.58N	0512709.46E
CA-POINT (SE)	251600.00N	0513925.80E
SEF (SEF)	250750.70N	0513721.72E
SEF (SEF)	250750.70N	0513721.72E
SEF (SEF)	251344.29N	0513270.70E
HUMAMA (THM)	25251.76N	0513813.34E
JURTLT (ZUL)	251255.01N	0512700.43E
ZUL (ZUL)	251255.01N	0512700.43E



CHANGES : Qatar AIP 2nd Edition



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