

**AD 2.1 AERODROMES**  
**VQGP AD 2.1 AERODROME LOCATION INDICATOR AND NAME**  
**VQGP – Sarpang, Gelephu/Domestic****VQGP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP co-ordinates and site at AD	265304.46N 0902750.98E Centre of RWY
2	Direction and distance from(city)	2 Km NW from Gelephu town
3	Elevation/Reference temperature	300.9M (987.204 ft) MSL/ 29°C
4	MAG VAR/Annual changes	0.18° West 2010
5	AD Administration, address, telephone, telefax, telex. AFS	Department of Air Transport, Gelephu Airport: Sarpang, Bhutan. Tel No. (975)-6- 535152/53135 Email: <a href="mailto:sphuntsho@doat.gov.bt">sphuntsho@doat.gov.bt</a> AFTN: VQGPZTZX
6	Type of traffic permitted (IFR/VFR)	Only VFR is permitted
7	Remarks	AD PPR

**VQGP AD 2.3 OPERATIONAL HOURS**

1	AD Administration	Available MON - FRI 0300 – 1100 (UTC)
2	Customs and immigration	Available during sked operations
3	Health and sanitation	Available during sked operation & as and when required
4	AIS Briefing Office	Not Available
5	ATS Reporting Office	Not Available
6	MET Briefing Office	Available during operations and MON - FRI 0300 – 1100 (UTC)
7	ATS	During Operational Hrs
8	Fuelling	Available
9	Handling	Available during sked operations
10	Security	As and when required
11	De-icing	Not available
12	Remarks	Out side those hours, service available O/R. Request to be submitted to the AD 24hrs before intended operation.

**VQGP AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	Not available
2	Fuel/oil types	Aviation Turbine Fuel only – Jet A1
3	Fuelling facilities/capacity	9000 litres
4	De-icing facilities	Not required
5	Hanger space for visiting aircraft	Not Available
6	Repair facilities for visiting A/C	Not Available
7	Remarks	NIL

**VQGP AD 2.5 PASSENGER FACILITIES**

1	Hotels	Town
2	Restaurants	in city
3	Transportation	On request
4	Medical facilities	First aid at Referral Hospital Unit, 2 Km from Airport
5	Bank and Post Office	Bank & Post office in Town
6	Tourist Office	Not Available
7	Remarks	Nil

**VQGP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	Within AD HR: CAT 4
2	Rescue equipment	Rescue Tools with CFT
3	Capability for removal of disabled aircraft	Not Available
4	Remarks	NIL

**VQGP AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Type of clearing equipment	Manually Sweeping
2	Clearance priorities	1. RWY 11/29
3	Remarks	N/A

**VQGP AD 2.8 APRON, TAXIWAYS AND CHECK LOCATION DATA**

1	Apron surface and strength	Not Available
2	Taxiway width, surface and strength	Not Available
3	ACL location and elevation	Not Available
4	VOR checkpoints	<b>NOT ESTABLISHED</b>
5	INS check points	-
6	Remarks	NIL

**VQGP AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Not Available
2	RWY and TWY markings and LGT	Markings Available
3	Stop bars	Not Available
4	Remarks	NIL.

**VQGP AD 2.10 AERODROME OBSTACLES**

In approach/TKOF areas			In Circling area ad at AD		Remarks
Obstacle type	Elevation		Obstacle type	Elevation	
RWY/Area affected	Markings/LGT	Coordinates	Markings/LGT	Coordinates	
a	b	c	a	b	
See AD2.2 –VQGP-1			TO BE DEVELOPED		

**VQGP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	Gelephu Airport
2	Hours of service MET Office outside hours	During Flight operations only
3	Office responsible for TAF preparation Periods validity	TO BE DEVELOPED
4	Type of landing forecast Interval of issuance	Current Weather half hourly during flight operations (in Plain Language)
5	Briefing/consultation provided	Personal consultation During flight operation(on demand)
6	Flight documentation Language (s) used	TO BE DEVELOPED, English
7	Charts and other information available for briefing or consultation	TO BE DEVELOPED
8	Supplementary equipment available for providing information	NIL
9	ATS unit provided with information	Control Tower
10	Additional information (limitation of service, etc.)	Presently limited to providing METAR and local current valley WX in plain language only during flight operations.

## VQGP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MA BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	118°	1 506 X 30 M	(10-12) F/C/Y/T	265315.93N 0902727.04E	300.944 M AMSL
29	297°			265252.99N 0902814.90E	2 66.434 M AMSL
Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-2.29% +2.29%	NIL	NIL	1506 M X 40 M	NIL	

## VQGP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11	1 506	1 506	1 506	1 506	
29	1 506	1 506	1 506	1 506	

## VQGP AD 2.14 APPROACH RUNWAY LIGHTING

RWY Designator	APCH LGT Type LEN INTST	THR LGT Colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, Colour, INTST	RWY edge LGT LEN, spacing colour INTST	RWY END LGT colour INTST	RWY END LGT Colour WBAR	Remarks
NIL									

## VQGP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Not established
2	LDI location and LGT Anemometer location and LGT	Anemometer: TDZ 11/29
3	TWY edge and centre line lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

## VQGP AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF of THR of FATO	TO BE DEVELOPED
2	TLOF and/or FATO elevation M/FT	TO BE DEVELOPED
3	TLOF and FATO are dimensions, surface, strength, marking	TO BE DEVELOPED
4	True and MAG BRG of FATO	TO BE DEVELOPED
5	Declared distance available	TO BE DEVELOPED
6	APP and FATO lightning	TO BE DEVELOPED
7	Remarks	

## VQGP AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	NOT ESTABLISHED
2	Vertical limits	NOT ESTABLISHED
3	Airspace classification	NOT ESTABLISHED
4	ATS unit call signLanguage(s)	GELEPHU Tower English
5	Transition altitude	
6	Remarks	Two ways communication

**VQGP AD 2.18 ATS COMMUNICATION FACILITIES**

Service Designation	Callsign	Frequency	Hours of operation	Remarks
TWR	Gelephu Tower	122.950 Mhz 121.5 EMER. Freq.	HO	As per sked flight operations
RADIO	Gelephu	8921 Khz 13342 Khz	HO	-do-

**VQGP AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aid, CAT of ILS/MLS (for VOR/ILS/MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
NOT AVAILABLE						

**1. Airport regulations**

- 1.1 At Gelephu Airport a number of local regulations apply, in accordance with ICAO Annex 2,11,14 Doc. 4444. See GEN 1.2.
- 1.2 Marshaller assistance can be requested.
- 1.3 When a local regulation is of importance for the safe operation of aircraft on the apron, the information will be given to each aircraft by the TWR on VHF R/T.

**2. Taxiing to and from stands.**

TO BE DEVELOPED

**3. Parking for small aircraft (General aviation)**

TO BE DEVELOPED

**4. Parking area for helicopters**

No designated parking area for helicopter is available at the Gelephu airport, it will be guided on R/T from TWR .

**5. Apron Taxiing during winter conditions**

Apron not available

**6. Taxiing Limitations**

Taxiway not available

**7. School and Training Technical test flight – use of runways**

Subject to permission from DoAT & tower

**8 Helicopter traffic**

- 8.1 Request prior approval and inform to Airport Office during the hours of service and, if possible, not later than 24 hrs before the flight is to be carried out.
- 8.2 Any request for approval of traffic shall contain the following information:
  - a) Owner/Operator
  - b) Type of helicopter, registration/call sign
  - c) Date, arrival time/departure time, destination(s)

d) Purpose of operation.

8.3 Furthermore, other details relevant to the evaluation of the request shall be given as required.

#### 9. Removal of disable aircraft from runways

9.1 When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed from the runway as quickly as possible. If a wrecked aircraft is not removed from the runway as quickly as possible by the owner or user, the aircraft will be removed by the DoAT at owner's or user's expense.

### VQGP AD 2.21 NOISE ABATEMENT PROCEDURES

## TO BE DEVELOPED

### VQGP AD 2.22 FLIGHT PROCEDURES

#### 1 General

Flight within Gelephu air traffic circuit shall be in accordance with the Visual Meteorological Conditions (VMC).

- a) Prior operating into Gelephu airport the pilot in- command should be briefed and visit the aerodrome as an observer.
- b) relevant clearances from Airport authority and other relevant clearances from the respective authority must be obtained .
- c) Specific date & time of arrival/ departure should be clearly mentioned while obtaining such clearances.
- d) Flight plan can be filed during operational hours or during office hours (03:00 – 10:00 UTC) at the following address.

#### 2 Radar Procedures

No Radar facilities are available at Gelephu Aerodrome.

#### 3 Communication failure

In the event of a communication failure, the pilot shall act in accordance with the communication failure procedures in ICAO Annex 10 Vol. II and Annex 2 general rules para 3.6.52

#### 4 Procedures for IFR flights with in Gelephu air traffic circuit

Due to high terrain and steep mountains adjacent to the aerodrome, only flight in VMC is permitted.

#### 5 Procedures for flights to/from Gelephu AD

5.1 ATC clearance for flights will be given under the conditions described below:

- a) A flight plan containing items 7 to 18 and indicating the purpose of the flight, shall be submitted to Gelephu ATC.
- b) Position reports shall be submitted in accordance with 3.6.3 of ICAO Annex 2.
- c) Deviation from the ATC clearance may only be made when prior permission has been obtained.
- d) Two-ways radio communication shall be maintained on the frequency ~~122.65~~ <sup>132.950</sup> MHz.

5.2 Gelephu weather will available on HF Radio on freq. **8921Khz** and **13342Khz**, call sign Gelephu or can be requested on VQGPZTZX or Land line 9756535152/53135

#### 5.4 Arrival Instruction

5.4.1 Flight plan should be filed on AFTN prior one hour departure followed by status of flight, in the event of any delay or cancellation of flight likely to occur.

- 5.4.2 **Airborne call is must** as soon as the aircraft departs from the departure aerodrome with the **ATD and ETA over Gelephu. Airborne time & ETA should be informed to Gelephu radio on HF.**
- 5.4.3 No visual guidance like VASI. PAPI. ILS, Runway lights e.t.c., available on final.
- 5.4.4 Helicopters operating as a domestic flight/mountain flight within Bhutan territory shall contact Gelephu tower on fixed line/mobile for Gelephu weather and the departure information (ETA/ETD). This shall be applied only to those helicopter not equipped with **HF radio facilities** on board

## 5.5 **Departure Instruction**

- 5.5.1 **No SIDS** (Standard Instrument Departure) is established for Gelephu airport. Therefore, all aircraft shall strictly follow in visual meteorological conditions (VMC).
- 5.5.2 Aircraft shall make right turn after departure from RWY29 or make left turn after departure from RWY11 and shall remain within Bhutan airspace at all time.
- 5.5.3 After departure climb initially 18 000ft on QNH maintaining visual to terrain/obstacle and report over designated compulsory reporting points.
- 5.5.4 departing aircraft may be contact with the destination aerodrome for their position report after establishing contact, aircraft shall report back to Gelephu tower with their assigned level and position.
- 5.5.5 Prior permission is required if aircraft is likely to deviate to Indian airspace due to bad weather or unfavourable circumstances.

## 6 **RESTRICTION-**

- a) Only Day operations in visual meteorological conditions (VMC) is permitted
- b) No night landing/bad weather facilities
- c) Altitudes to be maintained as per ICAO Annex 2- Rules of the Air.
- d) Avoid flying over yellow rooftop i.e., (*dzongs, monastery, temples*)
- e) Flight shall be permitted ***to take-off and land between sunrise and sunset for all types of flight operations.***

### VQGP AD 2.23 ADDITIONAL INFORMATION

#### 1. **Bird concentrations in the vicinity of the airport**

As far as practicable, Aerodrome Control will inform pilots of the bird activity and the estimated heights AGL, when situation warrants.

### VQGP AD 2.24 CHARTS RELATED TO AN AERODROME

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Aerodrome chart.....AD 2.2-VQGP-1  
Aerodrome Obstacle Chart - ICAO Type- A runway 11/29..... AD 2.3-VQGP-1

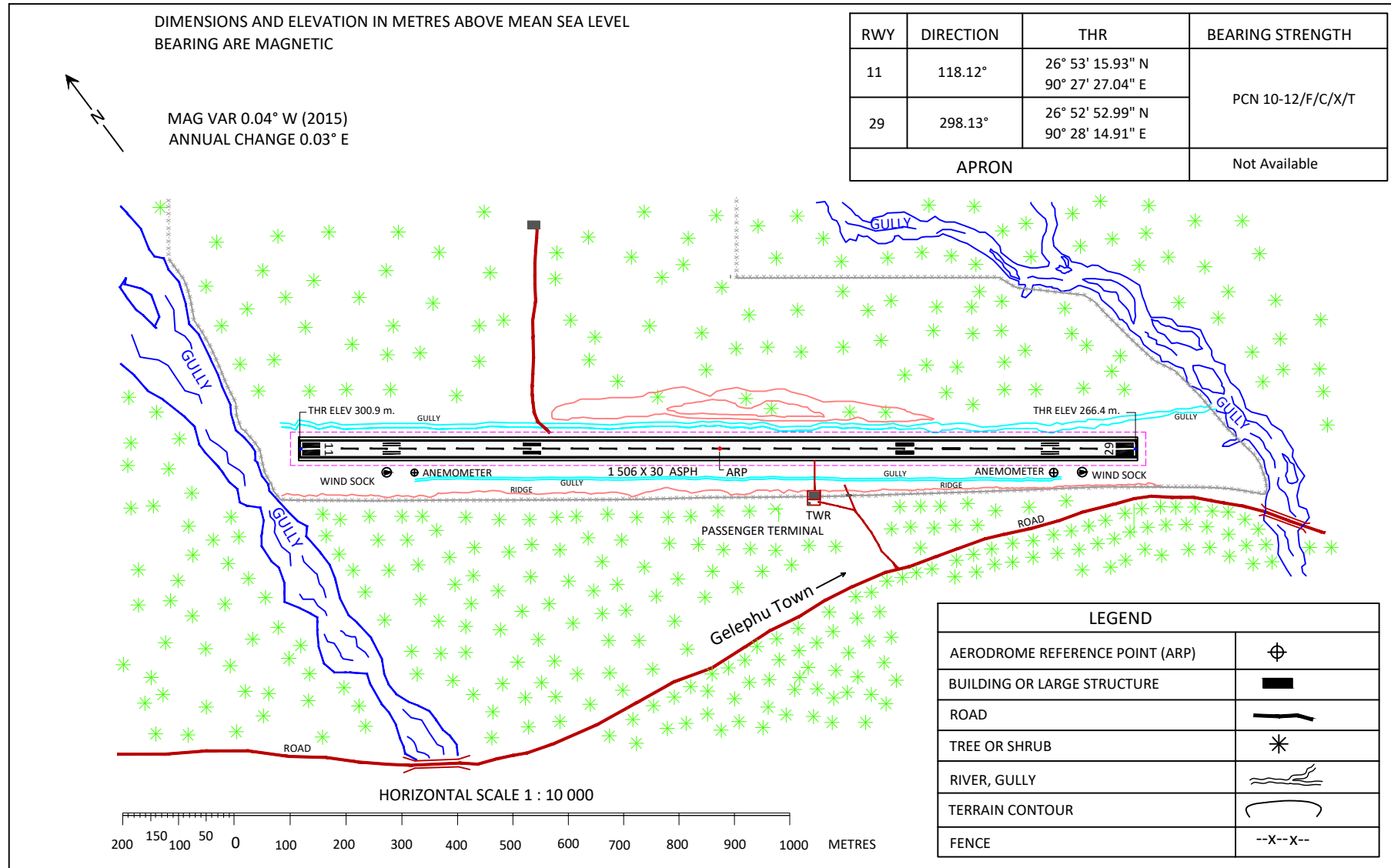
AERODROME CHART - ICAO

AERODROME ELEVATION 300.9 m.

ARP 26° 53' 04.46" N  
90° 27' 50.98" E

TWR 122.65 Mhz

BHUTAN / Gelephu Airpor



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AERODROME OBSTACLE CHART - ICAO  
TYPE A (OPERATING LIMITATIONS)

GELEPHU / Gelephu Airport

DIMENSIONS AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL

MAGNETIC VARIATION 0.04° W (2015)  
ANNUAL RATE OF CHANGE 0.03° E

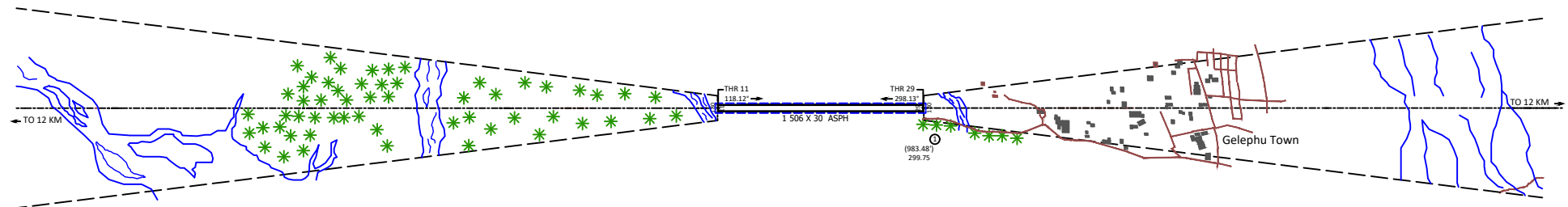
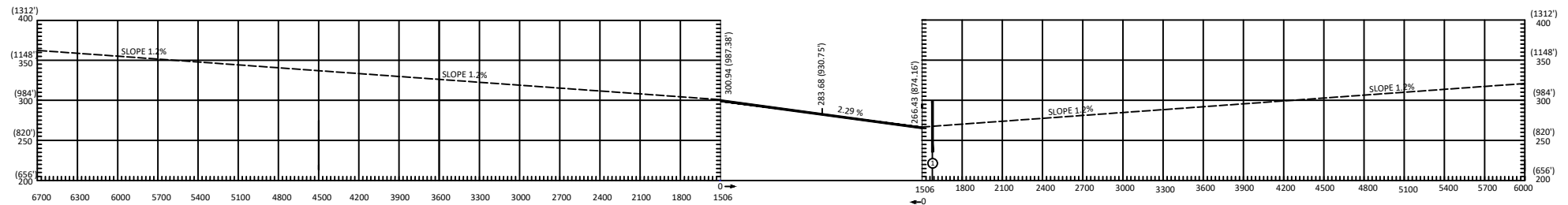
## DECLARED DISTANCES

RWY 11		RWY 29
1506	TAKE-OFF RUN AVAILABLE	1506
1506	TAKE-OFF DISTANCE AVAILABLE	1506
1506	ACCELERATE STOP DISTANCE AVAILABLE	1506
1506	LANDING DISTANCE AVAILABLE	1506

FEET METRES

400 125  
350 100  
300 75  
250 50  
200 25  
150 0  
100 0  
50 0  
0 0

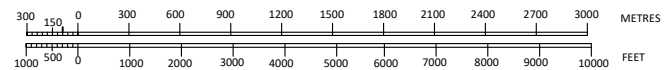
VERTICAL  
SCALE  
1 : 5 000



## LEGEND

IDENTIFICATION NUMBER	①
LARGE STRUCTURE	■
POLE, TOWER, SPIRE, ANTENNA, ETC	●
TREE OR SHRUB	*
ROAD	—
RIVER, GULLY	~

HORIZONTAL SCALE 1 : 30 000



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