

PART 1- GENERAL (GEN)

GEN 0.1 PREFACE

1. Name of the Publishing Authority

The AIP NEPAL is published by Civil Aviation Authority of Nepal (CAAN), pursuant to the Rule 82 of CAAN Civil Aviation Regulations 2002.'

2. Applicable ICAO/CAAN Documents

The AIP is prepared in accordance with Standards and Recommended Practices (SARPs) of Annex 15 to the Convention on International Civil Aviation, Civil Aviation Requirement of Aeronautical Information Service (CAR-15), Procedure for Air Navigation Services - Aeronautical Information Management (PANS-AIM Doc. 10066) and the ICAO Aeronautical Information Services Manual (Doc 8126). Charts contained in the AIP are produced in accordance with Annex 4 to the Convention on International Civil Aviation, Civil Aviation Requirement for Aeronautical Charts (CAR- 4) and ICAO aeronautical Chart Manual (Doc 8697). Differences from ICAO Standards, Recommended practices and Procedures are given in subsection GEN 1.7.

3 Publication Media

4. The AIP structure and established regular amendment interval

4.1. The AIP Structure

The AIP forms part of the Aeronautical Information Products, details of which are given in subsection GEN 4.1. The principal AIP structure is shown in graphic form on page GEN 0.1-4.

The AIP is made up of three Parts, General (GEN), En-route (ENR) and Aerodromes (AD), each divided into sections and subsections as applicable, containing various types of information subjects.

4.1.1. Part 1 – General (GEN)

Part 1 consists of five sections containing information as briefly described hereafter.

GEN 0. - Preface; Record of AIP Amendments; Record of AIP Supplements; Checklist of AIP Pages; List of hand amendments to the AIP; and the Table of Contents to Part 1.

GEN 1. *National regulations and requirements* - Designated authorities; Entry, transit and departure of aircraft; Entry, transit and departure of passengers and crew; Entry, transit and departure of cargo; Aircraft instruments, equipment and flight documents; Summary of national regulations and international agreements/conventions; and Differences from ICAO Standards, Recommended practices and Procedures.

GEN 2. *Tables and Codes* - Measuring system, aircraft markings, holidays; Abbreviations used in AIS products; Chart symbol; Location indicators; List of radio navigation aids; Conversion tables; and Sunrise/Sunset tables.

GEN 3. *Services* - Aeronautical information services; Aeronautical charts; Air traffic services; Communication and Navigation services; Meteorological services; and Search and rescue.

GEN 4. *Charges for aerodromes/heliports and air navigation services* - Aerodrome charges; and Air navigation services charges.

4.1.2. Part 2 - En - route (ENR)

Part 2 consists of seven sections containing information as briefly described hereafter.

ENR 0. - Table of Contents to Part 2.

ENR 1. *General rules and procedures* - General rules; Visual flight rules; Instrument flight rules; ATS airspace classification; Holding, approach and departure procedures; Radar services and procedures; Altimeter setting procedures; Regional supplementary procedures; Flight planning; Addressing of flight plan messages; Interception of civil aircraft; Unlawful interference; and Air traffic incidents.

ENR 2. *Air traffic services airspace* - Detailed description of Flight information region (FIR); Terminal control areas (TMA); and Other regulated airspace.

ENR 3. *ATS routes* - Detailed description of ATS routes; Area navigation routes; Helicopter routes; Other routes; and En-route holding.

Note.— *Other types of routes which are specified in connection with procedures for traffic to and from aerodromes are described in the relevant sections and subsections of Part 3 – Aerodromes.*

ENR 4. *Radio navigation aids/systems* - Radio navigation aids – en-route; Special navigation systems; Name-code designators for significant points; and Aeronautical ground lights - en – route

ENR 5. *Navigation warnings* - Prohibited, restricted and danger areas; Military exercise and training areas; Other activities of a dangerous nature and other potential hazards; Air navigation obstacles - en-route; Aerial sporting and recreational activities; and Bird migration and areas with sensitive fauna.

ENR 6. *En-route charts* - En-route Chart - ICAO and index charts.

4.1.3. Part 3 - Aerodromes (AD)

Part 3 consists of four sections containing information as briefly described hereafter.

AD 0.- Table of Contents to Part 3.

AD 1. *Aerodromes/Heliports Introduction* - Aerodrome availability and Conditions of use; Rescue and fire fighting services and Snow plan; Index to aerodromes; and Grouping of aerodromes.

AD 2. *Aerodromes* - Detailed information about controlled aerodromes, including helicopter landing areas, if located at the aerodromes, listed under 24 subsections and AFIS Aerodromes listed under 12 columns.

AD 3. *Heliports* - Information about helicopter operation has been given in AD-3.

4.2. Regular Amendment Interval

Regular amendments to the AIP will be issued once in a year in the month of April.

5. Copyright Policy

5.1 Any aeronautical information product which has been granted copyright protection by Nepal and provided to another State in accordance with 2.3 Chapter 2, CAR 15 shall only be made available to a third party on the condition that the third party is made aware that the product is copyright protected and provided that it is appropriately that the product is subject to copyright by Nepal.

5.2 When aeronautical data and aeronautical information are provided to a State in accordance with 2.3.8, Chapter 2, CAR 15 the receiving State shall not provide the digital data sets of the providing State to any third party without the consent of the providing State.

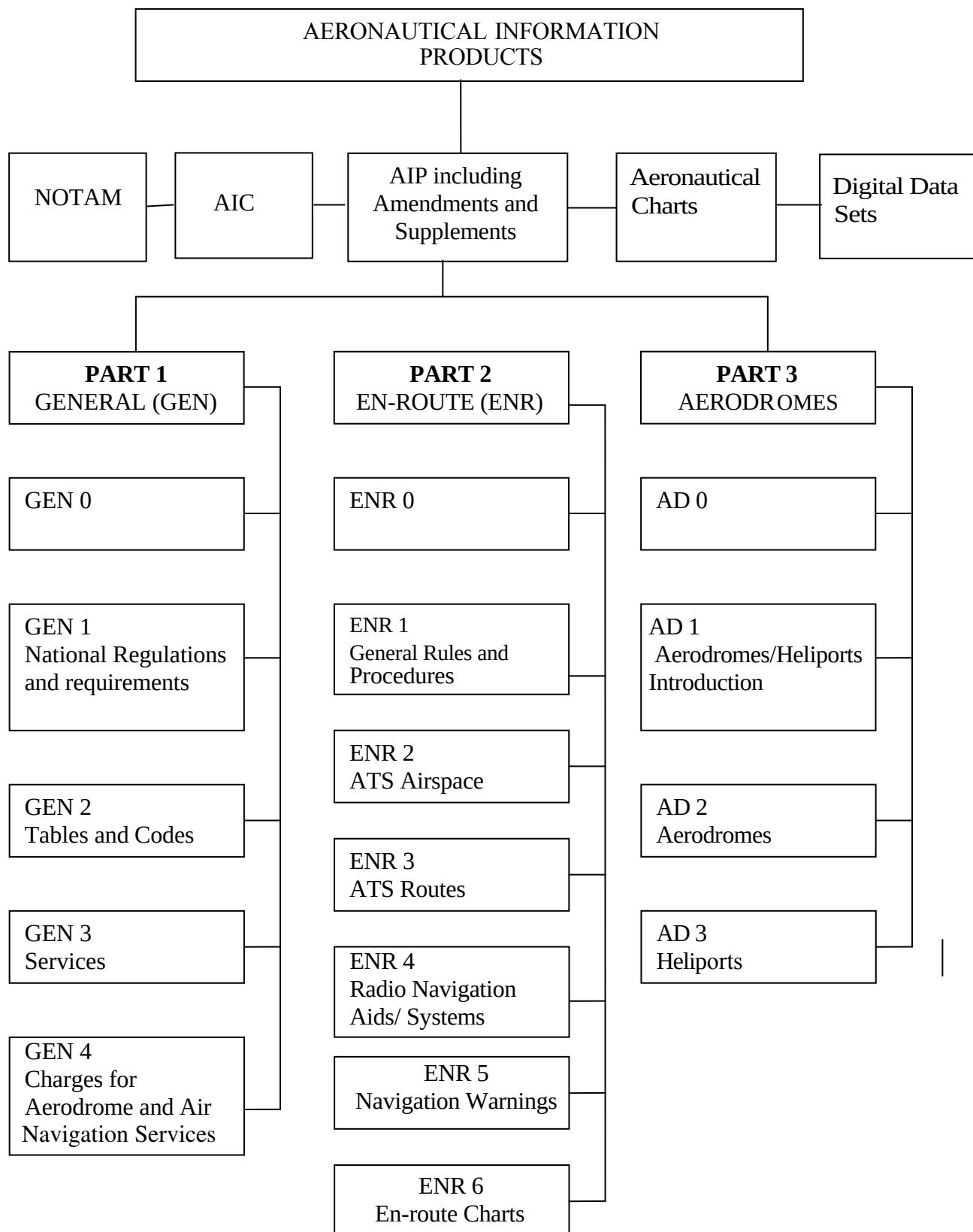
Note:- In order to protect the investment in the products of a State's AIS as well as to ensure better control of their use, States may wish to apply copyright to those products in accordance with their national laws.

6. Service to contact in case of detected AIP errors or omissions

In the compilation of the AIP, care has been taken to ensure that the information contained therein is accurate and complete. Any errors and omissions which may nevertheless be detected, as well as any correspondence concerning the Integrated Aeronautical Information Package, should be referred to:

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5. The Aeronautical Information Products



GEN 0.2 RECORD OF AIP AMENDMENTS

[illegible][illegible]

GEN 0.3 RECORD OF AIP SUPPLEMENTS

[illegible]

GEN 0.4 CHECKLIST OF AIP PAGES

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	VNPK AD 2 – 3	01 JULY 2018		VNCG AD 2 – 3	30 APRIL 2019
	VNPK AD 2 – 4	30 APRIL 2019		VNCG AD 2 – 4	30 APRIL 2019
	VNPK AD 2 – 5	30 JUNE 2020		VNCG AD 2 – 5	30 JUNE 2020
	VNPK AD 2 – 6	01 JULY 2018		VNCG AD 2 – 6	30 APRIL 2019
	VNPK AD 2 – 7	01 JULY 2018		VNCG AD 2 – 7	30 APRIL 2019
	VNPK AD 2 – 8	01 JULY 2018		VNCG AD 2 – 8	30 APRIL 2019
	VNPK AD 2 – 9	01 JULY 2018		VNCG AD 2 – 9	30 APRIL 2019
	VNPK AD 2 – 10	01 JULY 2018		VNCG AD 2 – 10	30 APRIL 2019
	VNPK AD 2 – 11	01 JULY 2018		VNCG AD 2 – 11	30 APRIL 2019
				VNCG AD 2 – 12	30 APRIL 2019
				VNCG AD 2 – 13	30 APRIL 2019
				VNCG AD 2 – 14	30 APRIL 2019
				VNCG AD 2 – 15	26 MARCH 2020
				VNCG AD 2 – 16	26 MARCH 2020
				VNCG AD 2 – 17	30 APRIL 2019
				VNCG AD 2 – 18	30 APRIL 2019
				VNCG AD 2 – 19	26 MARCH 2020
VNSI AD 2	VNSI AD 2 – 1	30 JUNE 2020	VNSK AD 2	VNSK AD 2 – 1	30 JUNE 2020
	VNSI AD 2 – 2	30 JUNE 2020		VNSK AD 2 – 2	30 JUNE 2020
	VNSI AD 2 – 3	30 JUNE 2020		VNSK AD 2 – 3	30 JUNE 2020
	VNSI AD 2 – 4	30 JUNE 2020		VNSK AD 2 – 4	30 JUNE 2020
	VNSI AD 2 – 5	30 JUNE 2020		VNSK AD 2 – 5	30 APRIL 2019
	VNSI AD 2 – 6	30 JUNE 2020		VNSK AD 2 – 6	01 JULY 2018
	VNSI AD 2 – 7	30 JUNE 2020		VNSK AD 2 – 7	01 JULY 2018
	VNSI AD 2 – 8	30 JUNE 2020		VNSK AD 2 – 8	01 JULY 2018
	VNSI AD 2 – 9	30 JUNE 2020		VNSK AD 2 – 9	01 JULY 2018
				VNSK AD 2 – 10	01 JULY 2018
				VNSK AD 2 – 11	01 JULY 2018
				VNSK AD 2 – 12	01 JULY 2018

VNDH AD 2	VNDH AD 2 – 1	30 JUNE 2020	AFIS AD 2	AFIS AD 2 – 1	30 JUNE 2020
	VNDH AD 2 – 2	30 JUNE 2020		AFIS AD 2 – 2	30 JUNE 2020
	VNDH AD 2 – 3	30 JUNE 2020		AFIS AD 2 – 3	30 JUNE 2020
	VNDH AD 2 – 4	01 JULY2018		AFIS AD 2 – 4	30 JUNE 2020
	VNDH AD 2 – 5	30 JUNE 2020		AFIS AD 2 – 5	30 JUNE 2020
	VNDH AD 2 – 6	30 JUNE 2020		AFIS AD 2 – 6	01 JULY2018
	VNDH AD 2 – 7	30 APRIL 2019		AFIS AD 2 – 7	30 JUNE 2020
	VNDH AD 2 – 8	01 JULY 2018			
	VNDH AD 2 – 9	01 JULY2018			
	VNDH AD 2 – 10	01 JULY2018			
	VNDH AD 2 – 11	01 JULY2018			
	VNDH AD 2 – 12	01 JULY2018	AD 3	AD 3.1 – 1	30 APRIL 2019
	VNDH AD 2 – 13	01 JULY2018			
	VNDH AD 2 – 14	26 MARCH 2020			
	VNDH AD 2 – 15	26 MARCH 2020			
	VNDH AD 2 – 16	01 JULY2018			
	VNDH AD 2 – 17	01 JULY2018			
	VNDH AD 2 – 18	01 JULY2018			
	VNDH AD 2 – 19	01 JULY2018			
	VNDH AD 2 – 20	26 MARCH 2020			
VNRB AD 2	VNRB AD 2 – 1	30 JUNE 2020			
	VNRB AD 2 – 2	30 JUNE 2020			
	VNRB AD 2 – 3	30 APRIL 2019			
	VNRB AD 2 – 4	30 JUNE 2020			
	VNRB AD 2 – 5	30 APRIL 2019			
	VNRB AD 2 – 6	30 APRIL 2019			
	VNRB AD 2 – 7	30 APRIL 2019			
	VNRB AD 2 – 8	30 APRIL 2019			
	VNRB AD 2 – 9	30 APRIL 2019			
VNTR AD 2	VNTR AD 2 – 1	30 JUNE 2020			
	VNTR AD 2 – 2	30 JUNE 2020			
	VNTR AD 2 – 3	30 APRIL 2019			
	VNTR AD 2 – 4	30 JUNE 2020			
	VNTR AD 2 – 5	30 APRIL 2019			
	VNTR AD 2 – 6	30 APRIL 2019			
	VNTR AD 2 – 7	30 APRIL 2019			
	VNTR AD 2 – 8	30 APRIL 2019			
	VNTR AD 2 – 9	30 APRIL 2019			

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GEN 1. NATIONAL REGULATION AND REQUIREMENTS

GEN 1.1 DESIGNATED AUTHORITIES

The addresses of the designated authorities concerned with facilitation of international air navigation are as follows:

1. Ministry Federal Democratic Republic of Nepal Ministry of Culture, Tourism and Civil Aviation, Singhadurbar, Kathmandu, Nepal. Tel: 977-1-4211870, 4211785 Fax: 977-1-429781 Email: info@tourism.gov.np Website : www.tourism.gov.np	3. Meteorology Director General Department of Hydrology and Meteorology Babarmahal, Kathmandu, Nepal TEL: 977-1-4219052, 4264219, 4258224 Email: dg@dhm.gov.np AFS: VNKTYMYX Website : www.dhm.gov.np
2. Civil Aviation Civil Aviation Authority of Nepal Babarmahal, Kathmandu, Nepal TEL: 977-1-4262387, 4262518, 4262326, 4257667 Fax: 977-1-4 262 516 Email: cnsatm@mos.com.np, dgca@caanepal.gov.np AFS: VNKTYAYX Website : caanepal.gov.np Air Navigation Services (ANS) (a) ANS Directorate Civil Aviation Authority of Nepal Babarmahal, Kathmandu Tel: 977-1-4262532 Fax: 977-1-4262324 Email: ansdirectorate@caanepal.gov.np (b) Tribhuvan International Airport Civil Aviation Office, Gauchar, Kathmandu, Nepal Tel: 977-1-4113261, 4113033, 4113234 Fax: 977-1-4113180 AFS: VNKTYDYX Search & Rescue Coordination (a) Director General Civil Aviation Authority of Nepal TEL: 977-1-4262387, 4262518, 4262326 Fax: 977-1-4262516 Email: dgca@caanepal.gov.np AFS: VNKTYAYX (b) Rescue Co-ordination center, Tribhuvan International Airport Office Gauchar, Kathmandu, Nepal Tel: 977-1-4113000 Fax: 977-1-4113222 AFS: VNKTYCYX Website: www.rcc.caanepal.gov.np	4. Customs Director General, Customs Department Tripureswor, Kathmandu, Nepal Tel: 977-1- 4117223 (Director General) 977-1-4117221, 4117222 (Dy. Director General) 977-1-4117225 (Custom Service Room) Fax: 977-1-4117218 Email: dg@customs.gov.np Website: www.customs.gov.np
	5. Immigration Director General Department of Immigration Kalikasthan, Dillibazar, Kathmandu Tel: 4429660/659 Fax: 977-1-4433934/935 Website: www.immi.gov.np
	6. Health Government of Nepal Ministry of Health and Population Department of Health Services / Epidemiology & Disease Control Division, Teku, Kathmandu, Nepal Tel: 977-1-4255796 Fax: 977-1-4262268 Email: ewarsedcd@gmail.com Website : www.edcd.gov.np
	7. Aerodrome Service Charges General Manager Tribhuvan Int'l Airport, Gauchar, Kathmandu, Nepal TEL: 977-1-4113261, 4113033 Fax: 977-1-4113180 Email: planstat@tiairport.com.np Website: www.tiairport.com.np

8. Plant Quarantine & Pesticide Management Center,

Harihar Bhawan, Lalitpur, Nepal
TEL: 977-1-5535845, 5524352, 5521597,
5541601
Fax: 977-1-5553798
Email: info@npponepal.gov.np
Website: www.npponepal.gov.np

9. Animal Quarantine Office,

Department of Livestock Services
Animal Quarantine Office, Budhanilkantha,
Kathmandu, Nepal
Tel.: 977-1-4377153
Fax: 977-1-4377153
Email: info@ktm.aqo.gov.np
ktmquarantine@gmail.com
Website: www.ktm.aqo.gov.np

10. Aircraft Accidents investigation

Government of Nepal
Ministry of Culture, Tourism and Civil Aviation
Singhadurbar, Kathmandu, Nepal
Tel: 977-1-4225870
Fax: 977-1-429781

GEN 1.2 ENTRY, TRANSIT AND DEPARTURE OF AIRCRAFT

1.2.1. General

1.2.1.1. International flights into, from or over Nepalese territory shall be subject to the current Nepalese regulations relating to civil aviation. These regulations correspond in all essentials to the Standards and Recommended Practices contained in Annex 9 to the Convention on International Civil Aviation.

1.2.1.2. Aircraft flying into or departing from the territory of Nepal shall make their first landing at, or final departure from, Tribhuvan International Airport, Kathmandu, Nepal.

1.2.2. Scheduled Flights

1.2.2.1. General

1.2.2.1.1. For regular international scheduled flights operated by foreign airlines into or in transit across Nepal, the following requirements must be met:

- a) The State of the airline must be a party to the International Air Services Transit Agreement and/or the International Air Transport Agreement. Nepal is party to International Air Services Transit Agreement only.
- b) The airline must be eligible to make the flights under the provisions of a bilateral or multilateral agreement to which the State of the airline and Nepal are contracting parties and must have a permit to operate into or in transit across Nepal. Applications for such permits shall be submitted to the Director General of Civil Aviation Authority at least 60 working days before the applicable date.
- c) For the amendments of schedule or revision of the scheduled flight, the request for amendment/ revision shall be submitted at least 7 working days before the applicable date .

1.2.2.2. *List of Required Documents for operation in Nepal by foreign carriers/operators:*

- a) Letter forwarded by the Ministry responsible for Civil Aviation in concerned country, designating the airlines as the Designated Airline of that country (with conformation of Operating Authorization), to the Government of Nepal, Ministry of Culture, Tourism and Civil Aviation (As per the provision made under Air Service Agreement (ASA) and Memorandum of Understanding (MOU) between Nepal and the concerned country, through the Ministry of Foreign Affairs of Nepal i.e. Diplomatic Channel.
- b) A copy of Legal Document that reflects the Substantial Ownership and Effective Control.
- c) Security Manual.
- d) Operation Manual
- e) Standard Operating Procedures (SOPs).
- f) A copy of Air Operator Certificate.
- g) A copy of Certificate of Registration of each aircraft involved in operation.
- h) A copy of Certificate of Airworthiness of each aircraft involved in operation.
- i) A copy of Certificate of Insurance covering Third Party Liability of amount not less than US \$ 60 Million.

3.1.3. *Traffic Landings and Uplifts*

- a) All non-scheduled flights are subject to prior approval, Applications for approval to operate such flights shall be submitted either by letter or AFTN or Facsimile to

Director General
Civil Aviation Authority of Nepal
Babar Mahal, Kathmandu, Nepal
AFS : VNKTYAYX
Tel: 977-1- 4262387, 4262518, 4262326
Fax : 977-1- 4262516
E-mail: dgca@caanepal.gov.np

All applications must be made in writing and must reach the Director General, Civil Aviation Authority of Nepal at least 15 working days prior to the aircraft's arrival or departure into or from Nepal. If insufficient notice is given the application may not be considered.

- b) Only the operator may apply for permission to operate a non- scheduled flight. The permit will be granted in the name of the operator.
- c) Charter Flight Permission: The procedure for getting permission to Kathmandu, is to write an application letter from the operator to the Director General of Civil Aviation Authority of Nepal (CAAN) requesting over-flying and landing permission, in well before the proposed date of operation (at least 7 days before), through local agent located at Kathmandu. The application letter shall enclose following documents.

- 1) A copy of Air Operator Certificate (AOC)
- 2) A copy of Certificate of Registration of Aircraft (C of R)
- 3) A copy of Certificate of Airworthiness of Aircraft (C of A)
- 4) A copy of Aircraft Flight Manual (AFM) that shows the Maximum take-off weight of Aircraft (MTOW).
- 5) A copy of Certificate of Insurance of Aircraft covering Third Party Liability of not less than US\$ 60 million (\$60,000,000).
- 6) A copy of Simulator Certificate of PIC for SID/SIA of TIA (Kathmandu).
- 7) A copy of English Language Proficiency Certificate of PIC if, non-native English Speaker.
- 8) A Charter Flight Permission Request Form, with all required information Filled Out.
- 9) An authorization letter to local agent by the operator.
- 10) A bank voucher of permission fee of \$56.50, in equivalent Nepalese Currency (converted according to the Nepal Rastra Bank's selling rate of the date) deposited in Rastriya Banijya Bank, Bishal Bazar (New Road), Kathmandu, in the name of Civil Aviation Authority of Nepal, the Current Account No. 109006491701.

Detail information and charter flight permission request form can be obtained from CAAN, Head Office or can be downloaded from: www.caanepal.gov.np

- d) The appropriate legislation dealing with the offence of unauthorized entry into and encroachment of FIR within the Nepal is contained in Civil Aviation Act (4th amendment 1996) Section '9a', Sub-section 1, Para (A) and (B). Any person who uses any aircraft in contravention of the above provisions shall be guilty of an offence and liable to imprisonment for a term of 1-3 years. As a result, if someone is dead inside the aircraft or the aircraft is destroyed, the offender along

GEN 1.3 ENTRY TRANSIT AND DEPARTURE OF PASSENGERS AND CREW

1. Customs Requirements

1.1. Customs in Nepal is operated under the final channel system - the Red and Green channel, for the expeditious clearance of air travelers. All arriving passengers shall present themselves personally with their baggage and make declarations to customs at the Red channel if they have any prohibited, controlled or dutiable/taxable goods to declare. If they do not have any such goods, exceeding their duty/tax -free concession, they can pass through the green channel. However, passengers going through the green channel may be checked on a selective basis. All crew members are required to produce their baggage at the Red channel only. Baggage may be examined in such manner as deemed necessary and it shall be the duty of the person in charge of the baggage to produce, open, unpack and repack such baggage.

1.2. Customs duty is waived on the following articles carried by the passport holder foreign passenger:

- One bottle of liquor up to 1 litre or 12 cans of beer.
- Cigarette up to 200 sticks cigar up to 50 sticks, tobacco up to 250 grams.
- Medicine up to the value of Rs. 10,000/- except the medicine banned to import into Nepal .
- Food stuff up to the value of Rs. 5000/- including in pack food).
- Fresh fruits up to the value of Rs. 2000/-

1.3. Foreign passenger traveling by international flight is exempted from the duty on the following personal used articles imported or exported on the condition that such articles shall be returned or carry back.

- One binocular
- One tablet or laptop computer, one video camera, one still camera.
- One set of portable music system.
- Clothes, beds and used household articles.
- One perambulator, one tri-cycle.
- One bicycle
- One watch
- One cellular mobile phone set.
- Ornaments of gold of up to 50 grams and ornaments of silver of up to 100 grams.
- Following equipment brought by professionals:-
 - Up to one unit of tools brought by a professional to continue his/her work.
 - General tools, equipment and medicines brought by a doctor or a 'baidhya' to carry out work in line with his/her profession, as well as the required equipment of concerned specialist.
 - Musical instruments and other required tools brought by a singer or a musician.
 - Sports' equipment brought by sportsperson.
 - Fishing rod.

1.4. No custom formalities are normally required for departing passengers unless it is required to do so. However, restrictions on the carriage of foreign cash currency in and out of the country remain in force. Visitors can export souvenirs to their respective countries. However, the export of antiques and precious or semi precious stones requires a clearance and certificate from the Department of Archaeology, Ram Shah Path Tel: 977-1-4215358 . Gold, Silver, Precious stones, wild animals and their skins, horns etc., all drugs whether processed or in their natural state are prohibited to export.

2. Immigration Requirements

2.1. No documents or visas are required of passengers arriving and departing on the same flight or transferring to another flight at the same airport.

2.2. A person entering Nepal for the purpose of immigration must hold a valid passport and an immigration visa, the latter being issued at Nepal consulates abroad. Temporary visitors must be in possession of a valid passport, with the exception of the Indian nationals from whom existing official documents of identity, such as expired passports, national registration cards, election cards, ration card or alien resident permits, are acceptable in lieu of a valid passport.

2.3. The Visas can be obtained at the airport immigration office in entry points of 15 days, 30 days and 90 days according to the demand and number of visit of the passport holder.

2.4. All Tourist Visas shall be of Multiple Entry facility while issuing by the mission and immigration office at the entry point.

2.5. There will be four categories of entry visas as, one day transit visa, 15 days, 30 days and 90 days entry visas.

2.6. People of these countries do not get visa on arrival at the immigration entry points of Nepal: Nigeria, Ghana, Zimbabwe, Swaziland, Cameroon, Somalia, Liberia, Ethiopia, Iraq, Palestine, Afghanistan and Syria.

2.7. Refugees holding foreign travel document do not get visa on arrival in Nepal.

2.8. For flight crew members on scheduled services who keep possession of their license when embarking and disembarking, remain at the airport where the aircraft has stopped or within the confines of the cities adjacent thereto, and depart on the same aircraft or on their next regularly scheduled flight out of Nepal, the crew member license or certificate is accepted in lieu of a passport or visa for temporary admission into Nepal. This provision is also applicable if the crew member enters Nepal by other means of transport for the purpose of joining an aircraft.

3. Public Health Requirements

3.1. For disembarking passengers:

- a) **A yellow fever vaccination certificate is required** for travellers aged 9 months or over arriving from countries with risk of yellow fever transmission and for travellers having transited for more than 12 hours through an airport of a country with risk of yellow fever transmission. Countries with risk of Yellow fever transmission:

Africa: Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Cote d'Ivoire, Democratic Republic of the Congo, Equatorial Guinea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, South Sudan, Sudan, Togo, and Uganda;

America: Argentina, Bolivia, Brazil, Colombia, Ecuador, French, Guiana, Guyana, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago (Trinidad only), and Venezuela (Bolivarian Republic of).

- b) **A polio vaccination certificate is required** for travellers travelling from following countries Afghanistan, Nigeria, Pakistan, Somalia, Kenya, and Papua New Guinea.

3.2. On departure, no health formalities are required.

GEN 1.4 ENTRY, TRANSIT AND DEPARTURE OF CARGO

1. Customs Requirements Concerning Cargo and Other Articles

1.1. The following documents are required for the clearance of goods from quarantine office before proceeding to customs of Nepal. Banking document, Airway Bill, Invoice, Packing list certificate of Origin, Phytosanitary Certificate. A permit is required from concerned authority for controlled items (plants and plants products, biological control agents, beneficial organisms or means of growing plants such as soil, moss and pit) as mentioned in Plant Protection Act, 2006.

1.2. As regards Air Cargo transshipped from one flight to another at the same airport by the ground handling agent, no custom document is required.

1.3. No clearance documents are required with respect to goods retained on board an aircraft for onward carriage to a destination outside Nepal.

1.4. For export of dutiable and controlled goods, customs and export permits (from the concerned organisations) are required to be presented for customs clearance.

2. Animal and Agricultural Quarantine Requirements

Prior permission of the concerned authority is required for the import and export of all species of wild animals and plants and their parts or derivatives protected under the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).

3. Arms and Explosives Requirements

3.1. The import, export and transshipment of all arms, explosives, component parts, ammunitions and weapons including swords, sword-sticks, khukuris, daggers toy, pistols, airguns, etc., are strictly controlled. Permits must be obtained and application should be made to the Ministry of Home Affairs, Singha Durbar, Kathmandu, Nepal.

4. Requirements for the Carriage of Dangerous Goods in Aircraft

4.1. Civil Aviation Regulation (1995), Section 3, Article 18 provides the inflammable, and dangerous goods shall not be carried in civil air transport aircraft except permitted by the Civil Aviation Authority and in accordance with any conditions which may be imposed. This provision applies to all civil aircraft flying to, from or over Nepal and to aircraft registered in Nepal.

4.2. General permission is given to airlines by the authority subject to compliance with the current edition of Annex 18 to the convention of International Civil Aviation relating to the safe transport of Dangerous goods by air.

4.3. Operators who wish to carry dangerous goods should apply to the Director-General of Civil Aviation Authority, Kathmandu, Nepal, giving relevant details of the consignment and two weeks advance notice for processing the application.

GEN 1.6 SUMMARY OF NATIONAL REGULATIONS AND INTERNATIONAL AGREEMENTS/CONVENTIONS

Following is a list of Civil Aviation legislation air navigation regulations etc., in force in Nepal. It is essential that anyone engaged in air operation be acquainted with the relevant regulations. Copies of these documents may be obtained either from the "Law Books management Board" Babarmahal, Kathmandu, Nepal under the ministry of law; or through the Civil Aviation Authority of Nepal.

1. The Nepalese Legislation

- Civil Aviation Act. 1959 (4th amendment 1996).
- Civil Aviation Authority Act 2053 (1996).
- CAAN, Civil Aviation Regulations 2058 (2002).
- Civil Aviation Regulations 2052 (1995).
- Civil Aviation Security Rules 2073 (2016).
- Regulation on Airport Service Facility charges 2067 (2011). (first amendment 2013)
- Regulation on Accident investigation 1967 (First amendment 1998)
- Airport Certificate Regulation 2061 (2004)
- Airport Infrastructure Construction, Operation and Management Regulation 2066 (2010)
- Aviation Sports Regulation 2067 (B.S)
- | ▪ Civil Aviation (Investigation of Accident) Regulation, 2071 (2014)

2. Civil Aviation Requirements

- Personnel Licensing Requirements (PELR)
- | ▪ Civil Aviation Requirements for Rules of the Air (CAR 2)
- Civil Aviation Requirements for Meteorological Service for International Air Navigation (CAR-3)
- Civil Aviation Requirements for Aeronautical Charts (CAR 4)
- Civil Aviation Requirements for Units of Measurement to be used in Air and Ground Operations (CAR-5)
- Nepalese Civil Airworthiness Requirements 2009 (NCAR)
- | ▪ Civil Aviation Requirements for Aeronautical Telecommunication (CAR 10, Volume1)
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- Civil Aviation Requirements for Air Traffic Services (CAR 11)
- Civil Aviation Requirements for Search and Rescue (CAR-12)
- Civil Aviation Requirements for Aeronautical Information Services (CAR-15)
- Civil Aviation Requirements for Safety Management (CAR-19)
- Flight Operation Requirements (FOR) 2009
 - Part I - Aeroplane,
 - Part II - General Aviation
 - Part III - Helicopter Operation
- Dangerous Goods Handling Requirement (DGHR)
- Air Operator Certificate Requirement (AOCR) 2012
- Nepalese Flying School Requirement (NFSR)
- Personal Licensing Requirements for Air Traffic Safety Electronic Personnel (PELR - ATSEP)

3. International Agreements / Conventions

- Convention on International Civil Aviation
(Signed at Chicago on 07 December 1944) Chicago Convention
- Convention for the suppression of unlawful seizure of aircraft
(Signed at The Hague on 16th December 1970) The Hague Convention.
- Convention for the suppression of unlawful Acts against safety of Civil Aviation (Signed at Montreal on 25 September 1971) Montreal Convention
- Convention on the offenses and certain other Acts committed on board Aircraft. (Signed at Tokyo on 14th Sept 1963) Tokyo Convention
- Convention for the unification of certain rules relating to international carriage by air. (Signed at Warsaw on 12th October 1929) Warsaw Convention.
- International Air Services Transit Agreements.
Montreal Convention 1999

4. Miscellaneous

4.1. Manuals

- Manual of Aerodrome Standards of Nepal
- Manual of Standard for Licensing and Rating of Air Traffic Control Personnel
- Manual of Standards Air Traffic Services (MATS) Nepal
- Manual of Standards Aeronautical Information Services (MOS AIS)
- Procedure Manual for Reporting and Investigating the ANS Safety Information and Occurrences
- ATO Certification Manual
- Manual of Standards Instrument Flight Procedure Design
- Manual of Standards Aerodrome Flight Information Service (MOS AFIS)
- Search and Rescue Manual
- Aviation Enforcement Policy and Procedure Manual
- Approved Training Organization Certification Manual
- Air Navigation Services Policy and Procedure Manual

- Air Navigation Services Procedure Manual for Document Development, Amendment, Distribution & Filing of differences to ICAO SARPs
- Acceptance Manual for ATS Safety Management System
- Guidance Manual for Conducting Safety Risk Management Activities in ATM
- Aerodrome Manual (TIA)

4.2 Procedures

- Instructor Authorization Procedure
- Standards Operating Procedure For Coordination with all Parties to ensure integrated Civil Aviation Security Measures into Design and Construction of Airport, 2018

4.3 Plan, Program and Directives

- Aerodrome Emergency Plan (AEP), TIA
- National Civil Aviation Security Program, Nepal (Fifth Edition, 2018)
- National Civil Aviation Security Training Program, Nepal 2007
- National Civil Aviation Security Quality Control Program, Nepal 2008
- TIA Security Program, 2008
- Domestic Hub Airports Security Program, 2008
- Domestic Airports Security Program, 2008
- Domestic STOL airports Security Program, 2008
- Ground Handling Service directives, 2072 (2015 AD)
- Department circular concerning the charter flights (1984)
- Department orders/Directives in the form of Manuals (Subject to the Civil Aviation Regulation)
- Airport service facility charge 2067 (fourth Amendmnt 2015)

GEN 1.7 DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

1) ANNEX 1 - PERSONNEL LICENSING: NIL

2) ANNEX 2- RULES OF THE AIR

The following provision has been introduced in Nepal:

Chapter – 3

3.1 Protection of persons and property

3.1.8 Formation Flights

No Civil aircraft shall be flown in formation.

3.8 Interception

3.8.1 Nepal fully respects the provision of Non-use weapon against Civil Aircraft as per Article 3 bis (a) of Chicago Convention.

3.8.2 ATC Instructions to be followed by the aircraft in case the aircraft is intercepted.

3.8.3 The Nepalese registered aircraft or aircraft on lease being operated by the Nepalese person or the airlines, while operating in the airspace of foreign country, shall comply with the interception order issued by the authorized entity of such foreign country.

3.8.4 The pilot-in- command of a civil aircraft, when intercepted, shall comply with the Standards in Appendix 2, Sections 2 and 3, interpreting and responding to visual signals as specified in Appendix 1, Section 2 (CAR - 2)

GEN 2. TABLES AND CODES

GEN 2.1 MEASURING SYSTEM, AIRCRAFT MARKINGS, HOLIDAYS

2.1.1. Units of measurement

The table of units of measurement shown below will be used by aeronautical stations within KATHMANDU FIR for air and ground operations.

For measurement of	Units used
Distance used in navigation, position reporting, etc. – generally in excess of 2 nautical miles	Nautical miles and tenths (NM)
Relatively short distances such as those relating to aerodromes (e.g. runway lengths)	Meters (m)
Altitudes, elevations and heights	Feet (ft)
Speed	Knots (kt)
Wind direction for landing and taking off	Degrees magnetic (⁰)
Wind direction except for landing and taking off	Degrees true (⁰)
Visibility	Kilometers (km)
Altimeter setting	Hectopascal (hPa)
Temperature	Degree Celsius (⁰ C)
Weight	Metric tones or kilograms
Time	Hours and minutes, beginning at midnight UTC
Endurance	H and min
RVR	Meter (m)
Tank (A/C)	Liter (L)
Humidity (absolute)	Gram/Kilogram (g/kg)

2.1.2 Temporal reference system

General

Co-ordinated Universal Time (UTC) and the Gregorian calendar are used by air navigation services and in publications issued by the Aeronautical Information Service. Reporting of time is expressed to the nearest minute, e.g. 12:40:35 is reported as 1241. Local time is 5 hours and 45 minutes ahead of UTC. Time checks to aircraft are accurate to within 30 seconds.

2.1.3. **Horizontal reference system**

1. ***Name / designation of system***

All published geographical coordinates indicating latitude and longitude are expressed in terms of the World Geodetic System—1984 (WGS-84) geodetic reference datum.

2. ***Projection***

Projection is expressed in term as Universal Transverse Mercator (UTM).

3. ***Ellipsoid***

Ellipsoid is expressed in terms of the World Geodetic System—(WGS-84) ellipsoid.

4. ***Datum***

The World Geodetic System—(WGS-84) is used.

5. ***Area of application***

The area of application for the published geographical coordinates coincides with the area of responsibility of the Aeronautical Information Service, i.e. the entire territory of Nepal.

6. ***Use of an asterisk to identify published geographical coordinates***

An asterisk (*) will be used to identify those published geographical coordinates which have been transformed into WGS-84 co-ordinates, but whose accuracy of original field work does not meet the accuracy requirements in Annex 11, Chapter 2 and Annex 14, volumes I and II, chapter 2.

2.1.4. **Vertical reference system**

1. ***Name/designation of system***

The vertical reference system corresponds to mean sea level (MSL).

2.1.5. **Aircraft nationality and registration Marks**

The nationality mark for aircraft registered in Nepal is the figure 9, followed by the letter N i.e. 9N. The national mark is followed by a hyphen and a registration mark consisting of 3 letters, e.g. 9N - ABA.

2.1.6. Public holidays 2020/2021

S.N	Name of the Holiday	Date	Remark
1.	New Year Nepalese	13 Apr 2020	
2.	May Day	1 May	
3.	Buddha Jayanti	7 May	
4.	Gai Jatra	4 Aug	Only for Kathmandu Valley
5.	Teej Festival	21 Aug	Only for Woman
6.	Gaura Parba	26 Aug	Only for concerned
7.	Indra Jatra	1 Sept	Only for Kathmandu Valley
8.	Dashain Festival	23 Oct - 27 Oct	
9.	Tihar Festival	14 Nov – 16 Nov	
10.	Falgunnanda Jayanti	10 Nov	Only for concerned
11.	Chhat Parba	20 Nov	Only for concerned
12.	Nanak Jayanti	30 Nov	Only for concerned
13.	International Day of Persons with Disabilities	3 Dec	Only for concerned
14.	Udhauli Parba	12 Dec	Only for concerned
15.	Christmas Day	25 Dec	Only for concerned
16.	Tamu Losar	30 Dec	Only for concerned
17.	Maghe Sankranti	14 Jan 2021	Only for concerned
18.	Sonam Losar	12 Feb	Only for concerned
19.	Maha Shivaratri	11Mar	
20.	Galpo Loshar	14 Mar	Only for concerned
21.	International Woman Day	8 Mar	
22.	Fagu Poornima	28 Mar	Only for Hilly Region
23.	Fagu Poornima	29 Mar	Only for Terai Region
24.	Ghode Jatra	11 Apr	Only for Kathmandu

Note:-

1. Every Saturday is Holiday.
2. Every year on 31st December is Holiday for CAAN Staffs due to CAAN Day.
3. Days of above listed holidays may vary every year and list of holidays applicable for each calendar year will be published as an AIP Amendment in April every year.

GEN 2.2 ABBREVIATIONS USED IN AERONAUTICAL INFORMATION PRODUCTS

Abbreviations marked by an asterisk (*) are either different from or not contained in ICAO Doc 8400.

A

AAL	Above Aerodrome Level	AMA	Area minimum altitude
ABM	Abeam	AMDT	Amendment (AIP Amendment)
ABN	Aerodrome Beacon	AMS	Aeronautical mobile service
AC	Asphalt Concrete		
ACAS	Airborne Collision Avoidance System	AMSL	Above mean sea level
ACC	Area control centre or area control	ANC	Aeronautical chart -1:500 000
ACT	Active or activated or activity		
AD	Aerodrome	AOC	Aerodrome obstacle chart
ADA	Advisory Area	APCH	Approach
ADC	Aerodrome	APDC	Aircraft parking/docking chart
ADF	Automatic direction-finding equipment	APN	Apron
ADS-B	Automatic dependent surveillance — broadcast	APP	Approach control office or approach control or approach control service
ADVS	Advisory service	APR	April
AFIS	Aerodrome flight information service	APANPIRG	Asia Pacific Air Navigation Planning and Implementation Regional Group
AFS	Aeronautical fixed service	ARO	Air Traffic Reporting Office
AFTN	Aeronautical fixed telecommunication network	ARC	Area Chart
AGA	Aerodromes, air routes and ground aids	ARP	Aerodrome reference point
AGL	Above Ground Level	ASDA	Accelerate stop distance available
AIC	Aeronautical information circular	ASR*	Airport Service Radar
AIM	Aeronautical information management	ASHTAM	Special series NOTAM notifying by means of a specific format change in activity of a volcano, a volcanic eruption and/or volcanic ash cloud that is of significance to aircraft operations
AIMD	Aeronautical information management department		
AIP	Aeronautical Information Publication		
AIRAC	Aeronautical information regulation and control	ASPH	Asphalt
AIS	Aeronautical information services	ATC	Air Traffic Control
ALA	Alighting area	ATCSMAC	Air traffic control surveillance minimum altitude chart
ALRS	Alerting service	ATD	Actual time of departure
ALS	Approach lighting system	ATFM	Air traffic flow management
ALT	Altitude	APAPI	Abbreviated precision approach path indicator

GEN 2.6 CONVERSION OF UNITS OF MEASUREMENT

NM to KM 1 NM = 1.852 KM		KM to NM 1 Km = 0.54 NM		FT to M 1 FT = 0.3048 M		M to FT 1 M = 3.281 FT	
NM	KM	KM	NM	FT	M	M	FT
0.1	0.185	0.1	0.05	1	0.305	1	3.28
0.2	0.370	0.2	0.11	2	0.610	2	6.56
0.3	0.556	0.3	0.16	3	0.914	3	9.84
0.4	0.741	0.4	0.22	4	1.219	4	13.12
0.5	0.926	0.5	0.27	5	1.524	5	16.40
0.6	1.111	0.6	0.32	6	1.829	6	19.69
0.7	1.296	0.7	0.38	7	2.134	7	22.97
0.8	1.482	0.8	0.43	8	2.438	8	26.25
0.9	1.667	0.9	0.49	9	2.743	9	29.53
1	1.852	1	0.54	10	3.048	10	32.81
2	3.704	2	1.08	20	6.096	20	65.62
3	5.556	3	1.62	30	9.144	30	98.43
4	7.408	4	2.16	40	12.192	40	131.23
5	9.260	5	2.70	50	15.240	50	164.04
6	11.112	6	3.24	60	18.288	60	196.85
7	12.964	7	3.78	70	21.336	70	229.66
8	14.816	8	4.32	80	24.384	80	262.47
9	16.668	9	4.86	90	27.432	90	295.28
10	18.520	10	5.40	100	30.480	100	328.08
20	37.040	20	10.80	200	60.960	200	656.17
30	55.560	30	16.20	300	91.440	300	984.25
40	74.080	40	21.60	400	121.920	400	1312.34
50	92.600	50	27.00	500	152.400	500	1640.42
60	111.120	60	32.40	600	182.880	600	1968.50
70	129.640	70	37.80	700	213.360	700	2296.59
80	148.160	80	43.20	800	243.840	800	2624.67
90	166.680	90	48.60	900	274.320	900	2952.76
100	185.200	100	54.00	1000	304.800	1000	3280.84
200	370.400	200	107.99	2000	609.600	2000	6561.68
300	555.600	300	161.99	3000	914.400	3000	9842.52
400	740.800	400	215.98	4000	1219.200	4000	13123.36
500	926.000	500	269.98	5000	1524.000	5000	16404.20
				6000	1828.800		
				7000	2133.600		
				8000	2438.400		
				9000	2743.200		
				10000	3048.00		

SUNRISE/SUNSET, 2020

1. The Sunrise/Sunset tables on the following pages have been prepared by the Department of Hydrology and Meteorology of Nepal for TIA, Kathmandu and are reproduced here with their permission.

1.1 The times in the table are given in UTC for beginning of civil morning twilight (TWIL FROM), Sunrise (SR) Sunset (SS), and end of civil evening twilight (TWIL TO) for the year 2020

1.2 The times given for the beginning of civil morning twilight and end of civil evening twilight are calculated for an altitude of the Sun 6° below the horizon, as commonly used.

**Sunrise-Sunset
KATHMANDU/Kathmandu
VNKT
274200N, 0852212E**

2020 SUNRISE SUNSET TWIL FROM TWIL TO IN UTC TIME**JANUARY**

Date	TWIL FROM	SR	SS	TWIL TO
1-4	00 54	01 09	11 34	11 49
5-8	00 55	01 10	11 37	11 52
9-12	00 55	01 10	11 40	11 55
13-16	00 56	01 11	11 43	11 58
17-20	00 55	01 10	11 46	12 01
21-24	00 54	01 09	11 49	12 04
25-28	00 53	01 08	11 53	12 08
29-31	00 51	01 06	11 56	12 11

MARCH

Date	TWIL FROM	SR	SS	TWIL TO
1-4	00 28	00 43	12 18	12 33
5-8	00 23	00 38	12 21	12 36
9-12	00 19	00 34	12 24	12 39
13-16	00 15	00 30	12 25	12 40
17-20	00 10	00 25	12 28	12 43
21-24	00 05	00 20	12 30	12 45
25-28	00 00	00 15	12 33	12 48
29-31	23 57	00 12	12 34	12 49

FEBURARY

Date	TWIL FROM	SR	SS	TWIL TO
1	00 51	01 06	11 56	12 11
2-5	00 50	01 05	11 59	12 14
6-9	00 47	01 02	12 02	12 17
10-13	00 45	01 00	12 05	12 20
14-17	00 41	00 56	12 08	12 23
18-21	00 39	00 54	12 11	12 26
22-25	00 35	00 50	12 14	12 29
26-29	00 31	00 46	12 17	12 32

APRIL

Date	TWIL FROM	SR	SS	TWIL TO
1	23 57	00 12	12 34	12 49
2-5	23 52	00 07	12 37	12 52
6-9	23 47	00 02	12 39	12 54
10-13	23 43	23 58	12 40	12 55
14-17	23 39	23 54	12 43	12 58
18-21	23 35	23 50	12 45	13 00
22-25	23 31	23 46	12 47	13 02
26-29	23 28	23 43	12 49	13 04
30	23 24	23 39	12 52	13 07

MAY

Date	TWIL FROM	SR	SS	TWIL TO
1-3	23 28	23 43	12 49	13 04
4-7	23 20	23 35	12 55	13 10
8-11	23 18	23 33	12 56	13 11
12-15	23 15	23 30	12 59	13 14
16-19	23 13	23 28	13 01	13 16
20-23	23 11	23 26	13 04	13 19
24-27	23 09	23 24	13 06	13 21
28-31	23 08	23 23	13 08	13 23

JUNE

Date	TWIL FROM	SR	SS	TWIL TO
1-4	23 07	23 22	13 10	13 25
5-8	23 07	23 22	13 12	13 27
9-12	23 06	23 21	13 13	13 28
13-16	23 06	23 21	13 15	13 30
17-20	23 07	23 22	13 16	13 31
21-24	23 08	23 23	13 17	13 32
25-28	23 09	23 24	13 18	13 33
29-30	23 10	23 25	13 18	13 33

JULY

Date	TWIL FROM	SR	SS	TWIL TO
1-2	23 10	23 25	13 18	13 33
3-6	23 12	23 27	13 18	13 33
7-10	23 13	23 28	13 18	13 33
11-14	23 15	23 30	13 17	13 32
15-18	23 17	23 32	13 16	13 31
19-22	23 19	23 34	13 15	13 30
23-26	23 21	23 36	13 13	13 28
27-30	23 23	23 38	13 10	13 25
31	23 26	23 41	13 08	13 23

AUGUST

Date	TWIL FROM	SR	SS	TWIL TO
1-3	23 26	23 41	13 08	13 23
4-7	23 28	23 43	13 05	13 20
8-11	23 29	23 44	13 02	13 17
12-15	23 32	23 47	12 59	13 14
16-19	23 34	23 49	12 55	13 10
20-23	23 37	23 52	12 51	13 06
24-27	23 38	23 53	12 47	13 02
28-31	23 40	23 55	12 43	12 58

SEPTEMBER

Date	TWIL FROM	SR	SS	TWIL TO
1-4	23 42	23 57	12 38	12 53
5-8	23 43	23 58	12 34	12 49
9-12	23 46	00 01	12 29	12 44
13-16	23 48	00 03	12 24	12 39
17-20	23 49	00 04	12 20	12 35
21-24	23 51	00 06	12 15	12 30
25-28	23 53	00 08	12 10	12 25
29-30	23 55	00 10	12 06	12 21

OCTOBER

Date	TWIL FROM	SR	SS	TWIL TO
1-2	23 55	00 10	12 06	12 21
3-6	23 57	00 12	12 02	12 17
7-10	23 59	00 14	11 57	12 12
11-14	00 02	00 17	11 52	12 07
15-18	00 03	00 18	11 49	12 04
19-22	00 06	00 21	11 45	12 00
23-26	00 09	00 24	11 41	11 56
27-30	00 10	00 25	11 38	11 53
31	00 13	00 28	11 34	11 49

NOVEMBER

Date	TWIL FROM	SR	SS	TWIL TO
1-3	00 13	00 28	11 34	11 49
4-7	00 16	00 31	11 31	11 46
8-11	00 20	00 35	11 29	11 44
12-15	00 22	00 37	11 27	11 42
16-19	00 25	00 40	11 25	11 40
20-23	00 28	00 43	11 24	11 39
24-27	00 32	00 47	11 23	11 38
28-30	00 35	00 50	11 22	11 37

DECEMBER

Date	TWIL FROM	SR	SS	TWIL TO
1	00 35	00 50	11 22	11 37
2-5	00 37	00 52	11 23	11 38
6-9	00 40	00 55	11 23	11 38
10-13	00 43	00 58	11 24	11 39
14-17	00 46	01 01	11 25	11 40
18-21	00 48	01 03	11 26	11 41
22-25	00 50	01 05	11 28	11 43
26-29	00 52	01 07	11 31	11 46
30-31	00 53	01 08	11 33	11 48

GEN 3. SERVICES

GEN 3.1 AERONAUTICAL INFORMATION SERVICES

3.1.1 Responsible Service

The aeronautical Information Service, which forms part of the CAAN, ensures the flow of information necessary for the safety, regularity and efficiency of international and national air navigation within the area of its responsibility as indicated under GEN 3.1.2. It consists of AIS headquarter as AIM Department at the Civil Aviation Authority of Nepal, Head Office and International NOTAM office (NOF) located at Tribhuvan International Airport.

1. AIS Headquarter

Aeronautical Information Management Department
Civil Aviation Authority of Nepal
Babar Mahal, Kathmandu
TEL: 977-1- 4257667

977-1- 4262518, 4262416 (Ext. 225, 224)

Telefax: 977-1-4262516

Email:- caanais@caanepal.gov.np

AFS: VNKTYOYX

Website : e-aip.caanepal.gov.np

2. International NOTAM Office (NOF)

Tribhuvan International Airport, Gauchar, Kathmandu
TEL: 977-1- 4483729

977-1- 4113033 (Ext. 217)

Fax: 977-1- 4113178

AFS: VNKTYNYX

3. The service is provided in accordance with the provisions contained in the following ICAO and CAAN Documents:

Annex 15 - Aeronautical Information Services

CAR 15 - Civil Aviation Requirements for Aeronautical Information Services - CAR 15.

Annex 4 - Aeronautical Charts

CAR 4 - Civil Aviation Requirements for the Aeronautical Charts - CAR 4

Doc10066 - Procedure of Air Navigation Services (PANS) - Aeronautical Information Management (AIM) (PANS - AIM)

Doc. 8126 - Aeronautical Information Services Manual

Doc 9674 - World Geodetic System – 1984 (WGS-84) Manual

Doc 9839 – Manual on the Quality Management System for Aeronautical Information Services

3.1.2 Area of Responsibility

The Aeronautical Information Service is responsible for the collection and dissemination of information for the entire airspace encompassed by the Kathmandu Flight Information Region (VNSM).

3.1.3 Aeronautical Publications

The aeronautical information is provided in the form of Aeronautical Information Products consisting of the following elements:

- 1 Aeronautical Information Publication (AIP) and related Amendment Service
- 2 AIP Supplements
- 3 NOTAM and Pre-flight Information Bulletins (PIB);
- 4 AIC
- 5 Checklists and list of valid NOTAM

NOTAM monthly checklists are issued via the Aeronautical Fixed Service (AFS), while monthly List of valid NOTAM are issued via mail. PIB are made available at International NOTAM Office, Tribhuvan International Airport and also made available in CAAN website. All other elements of the package are distributed by air mail.

1 *Aeronautical Information Publication (AIP) including Amendment Service*

The AIP is the basic aviation document intended primarily to satisfy international requirements for the exchange of permanent aeronautical information and temporary changes of long duration essential for air navigation.

AIP Nepal is published in a single volume in English in a loose-leaf form and made available in CAAN website also.

Amendments to the AIP are made by means of replacement sheets. Regular AIP Amendment (AIP AMDT), issued in accordance with the established regular interval (ref. GEN 0.1-3) and identified by a light blue cover sheet, incorporates permanent changes into the AIP on the indicated publication date.

A brief description of the subjects affected by the amendment is given on the AIP Amendment cover sheet. New information included on the reprinted AIP pages is annotated or identified by a vertical line in the left margin (or immediately to the left) of the change/addition.

Each AIP page and AIP replacement page introduced by an amendment, including the amendment cover sheet, are dated. The date consists of the day, month (by name) and year of the publication date (regular AIP AMDT) of the information. Each AIP amendment cover sheet includes references to the serial number of those elements, if any, of the Integrated Aeronautical Information Package which have been incorporated in the AIP by the amendment and are consequently cancelled.

Each AIP AMDT is allocated a separate serial number which are consecutive and based on the calendar year. The year, indicated by two digits, is a part of the serial number of the amendment, e.g. AIP AMDT 1/96.

A checklist of AIP pages containing page number/chart title and the publication or effective date (day, month by name and year) of the information is reissued with each amendment and is an integral part of the AIP.

2 *AIP Supplement*

Temporary changes of long duration (three month and longer) and information of short duration which consists of extensive text and/or graphics, supplementing the permanent information contained in the AIP, are published as AIP Supplements (AIP SUP). Operationally significant temporary changes to the AIP are published in accordance with the AIRAC system and its established effective dates and are identified clearly by the acronym AIRAC AIP SUP.

AIP Supplements are separated by information subject (General - GEN, En-route-ENR and Aerodromes-AD) and are placed accordingly at the beginning of each AIP Part. Supplements

are published on yellow paper to be conspicuous and to stand out from the rest of the AIP. Each AIP Supplement (regular or AIRAC) is allocated a serial number which is conspicuous and based on the calendar year, i.e. AIP SUP 1/96; AIRAC AIP SUP 1/96.

An AIP Supplement is kept in the AIP as long as all or some of its contents remain valid. The Period of validity of the information contained in the AIP Supplement will normally be given in the supplement itself. Alternatively, NOTAM may be used to indicate changes to the period of validity or cancellation of the supplement.

The checklist of AIP Supplements currently in force is issued in the monthly printed plain language in the list of valid NOTAM.

3. *NOTAM and Pre-flight Information Bulletins (PIB)*

NOTAM contain information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential for personnel concerned with flight operations. The text of each NOTAM contains the information in the order shown in the ICAO NOTAM Format and is composed of the significations/uniform abbreviated phraseology assigned to the ICAO NOTAM Code complemented by ICAO abbreviations, indicators, identifiers, designator, call signs, frequencies, figures and plain language. NOTAM are originated and issued for Kathmandu FIR (VNSM) and are distributed in four series identified by the letters A, B, C and S.

Series A. General rules, en-route navigation and communication facilities, airspace restrictions and activities taking place and information concerning international aerodrome.

Series B. Containing full information on all aerodromes facilities and procedures available for use in international distribution to adjacent states only.

Series C. Containing information of concern to national aerodromes only.

Series S (SNOWTAM) In winter season, some aerodromes at higher elevation get snow falling. Such information concerning snow, slush, ice in the movement areas are issued in the form of SNOWTAM and made national distribution to the concerned only. NOTAM are published as and when necessary to disseminate information of direct operational significance which

- a) is of ephemeral nature ;
- b) requires advance distribution ; or
- c) Immediate dissemination is required

Each NOTAM is assigned a four digits serial number preceded by an appropriate letter indicating the series and followed by a stroke and two digits indicating the year of issuance. The serial numbers start with 0001 at 0000 UTC on 1st January every year. A check list of NOTAM currently in force is issued every month over the AFS. Additionally, a printed plain language List of valid NOTAM in force is sent by email and is also made available at CAAN website to those who had originally received the NOTAM over the AFS, as well as to others on request.

4. *Aeronautical Information Circular (AIC)*

The Aeronautical Information Circulars (AIC) contain information on the long-term forecast of any major changes in legislation, regulation, procedure or facility; information of a purely explanatory or advisory nature liable to affect flight safety; and information or notification of an explanatory or advisory nature concerning technical, legislative or purely administrative matters. AICs are divided by subject and are issued in two series (A and B). AIC Series A contains information affecting international civil aviation and is given international distribution, while AIC Series B contains information affecting national aviation only and is given national distribution.

Each AIC is numbered consecutively within each series on a calendar year basis. The year, indicated by two digits, is a part of the serial number of the AIC, e.g. AIC A 1/96; AIC B 1/96. A checklist of AIC currently in force is issued as an AIC once a year.

5. *Checklist and List of valid NOTAM*

A checklist of valid NOTAM is issued monthly via the AFS. The checklist is followed by a printed list of valid NOTAM distributed by mail to all recipients of the Integrated Aeronautical Information Package. It contains a plain language (in English) presentation of the valid NOTAM and information about the number of the latest issued AIP AMDT, AIP SUP and AIC as well as the number of the elements issued under the AIRAC that will become effective or, if none, the NIL AIRAC notification.

6. *Sale of Publication*

The AIP may be purchased from the Aeronautical Information Management (AIM) Department; Civil Aviation Authority of Nepal, Babar Mahal at US \$ 80 (Plus US \$ 20 for postage); The fee for the AIP AMDT service is US \$ 10 per year ((Plus US \$ 10 for postage, to be paid in advance). AIP supplements and Aeronautical circulars are available free of charge to all subscribers of the AIP.

3.1.4. **AIRAC System**

1. In order to control and regulate the operationally significant changes requiring amendments to charts, route-manuals etc., such changes, whenever possible, will be issued on predetermined dates according to the AIRAC System. This type of information will be published as an AIRAC AIP SUP. If SUP cannot be produced due to lack of time, NOTAM clearly marked AIRAC will be issued. Such NOTAM will immediately be followed by an AMDT or SUP.

2. The table below indicates AIRAC effective dates for the coming years. AIRAC information will be issued so that the information will be received by the user not later than 28 days, and for major changes not later than 56 days, before the effective date. Two days before the AIRAC effective date, a trigger NOTAM will be issued giving a brief description of the contents, effective date and reference number of the AIRAC AIP SUP that will become effective on that date. Trigger NOTAM will remain in force as a reminder in the PIB for 14 days from the effective date.

If no information was submitted for publication at the AIRAC date, a NIL notification will be issued by NOTAM not later than one AIRAC cycle before the AIRAC effective date concerned.

AIRAC effective dates (28-day cycle)

2018	2019	2020	2021	2022
04 January	03 January	02 January	28 January	27 January
01 February	31 January	30 January	25 February	24 February
01 March	28 February	27 February	25 March	24 March
29 March	28 March	26 March	22 April	21 April
26 April	25 April	23 April	20 May	19 May
24 May	23 May	21 May	17 June	16 June
21 June	20 June	18 June	15 July	14 July
19 July	18 July	16 July	12 August	11 August
16 August	15 August	13 August	09 September	08 September
13 September	12 September	10 September	07 October	06 October
11 October	10 October	08 October	04 November	03 November
08 November	07 November	05 November	02 December	01 December
06 December	05 December	03 December	30 December	29 December
		31 December		

2023	2024	2025	2026	2027
26 January	25 January	23 January	22 January	21 January
23 February	22 February	20 February	19 February	18 February
23 March	21 March	20 March	19 March	18 March
20 April	18 April	17 April	16 April	15 April
18 May	16 May	15 May	14 May	13 May
15 June	13 June	12 June	11 June	10 June
13 July	11 July	10 July	09 July	08 July
10 August	08 August	07 August	06 August	05 August
07 September	05 September	04 September	03 September	02 September
05 October	03 October	02 October	01 October	30 September
02 November	31 October	30 October	29 October	28 October
30 November	28 November	27 November	26 November	25 November
28 December	26 December	25 December	24 December	23 December

3.1.5. Pre-flight Information Service at Aerodrome/Heliports.

- Pre-flight information is available at Tribhuvan International Airport (TIA), International NOTAM Office.
- Daily Pre-flight Information Bulletin (PIB) – Route bulletins and list of valid NOTAM are available for distribution at International NOTAM Office, TIA.

3.1.6 Digital Data Sets

To be developed

GEN 3.2 AERONAUTICAL CHARTS

3.2.1. Responsible Services

1. CAAN provides a wide range of aeronautical charts to be used in civil aviation. The Aeronautical Information Management Department produces the charts which are part of the AIP; all other aeronautical charts are produced by the Department of Survey. Charts, suitable for pre-flight planning and briefing, are available in the address mention under paragraph 3 below. The charts are produced in accordance with the provisions contained in ICAO Annex 4 -Aeronautical Charts and Civil Aviation Requirement for Aeronautical Charts (CAR- 4). Differences to these provisions are detailed in subsection GEN 1.7.

3.2.2. Maintenance of Charts

1. The aeronautical charts included in the AIP are kept up to date by amendments to the AIP. Information concerning the planning for or issuance of new maps and charts is notified by Aeronautical Information Circular.

2. If incorrect information detected on published charts is of operational significance, it is corrected by NOTAM.

3.2.3. Purchase Arrangements

1. *The charts as listed under paragraph 4, of this subsection may be obtained from the:*

Aeronautical Information Management Department
Civil Aviation Authority of Nepal
Babar Mahal, Kathmandu
Tel: 977-1- 4257667
977-1- 4262518, 4262416 (Ext. 225, 224)
Fax: 977-1-4262516
Email:- caanais@caanepal.gov.np
AFS: VNKTYOYX
Website:- e-aip.caanepal.gov.np

3.2.4. Aeronautical Chart Series Available

1. *The following series of aeronautical charts are produced:*

- a) Aerodrome Chart - ICAO
- b) Aerodrome Obstacle Chart - ICAO Type A / Type B
- c) En route Chart
- d) Terminal Area Chart - ICAO
- e) Standard Departure Chart - Instrument (SID) - ICAO
- f) Standard Arrival Chart – Instrument (STAR) - ICAO
- g) Instrument Approach Chart – ICAO
- h) Aeronautical Chart of Nepal 1:500,000

2. *General Description of each Series*

a) Aerodrome Chart - ICAO (TIA, Kathmandu)

This chart contains detailed aerodrome data to provide flight crews with information that will facilitate the ground movement of aircraft:

- from the aircraft stand to the runway; and
- from the runway to the aircraft stand

It also provides essential operational information.

b) Aerodrome obstacle Chart-ICAO type A (Operating Limitations) TIA Kathmandu

This contains detailed information on obstructions in the take-off flight path. It is shown in plan and profile view. This obstruction information provides the data necessary to enable operator to comply with the operating limitations of ICAO Annex 6, Part I and II, Chapter 5.

c) En-route Chart

This chart is produced for the entire Kathmandu FIR. The aeronautical data include all aerodromes, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information to facilitate navigation along ATS routes.

d) Terminal Area Chart - ICAO

This chart is produced when the air traffic services routes or position reporting requirements are complex and cannot be shown on en-route chart - ICAO. It shows, in more detail those aerodromes that affect terminal routings prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information to facilitate the various phases of instrument flight:

- the transition between the en-route phase and the approach to an aerodrome;
- the transition between the take-off / missed approach and the en-route phase of flights; and
- flights through areas of complex ATS routes or airspace structure.

e) Standard Departure Chart-Instrument- (SID) - ICAO

This chart is produced whenever a standard departure route-instrument has been established and cannot be shown with sufficient clarity on the Area Chart - ICAO

The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure route-instrument, restricted, prohibited and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard departure route instrument from the take off phase to the en-route phases.

f) Standard Arrival Chart - Instrument (STAR) - ICAO

This chart is produced whenever a standard arrival route-instrument has been established and cannot be shown with sufficient clarity on the Area Chart - ICAO.

The aeronautical data shown include the aerodrome of landing aerodrome(s) which affect the designated standard arrival route - instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated arrival route - instrument from the en-route phase to the approach phase.

g) Instrument Approach Chart - ICAO

This chart is produced for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument Approach Chart - ICAO has been provided for each approach procedure.

The aeronautical data shown include information on aerodromes, prohibited, restricted and danger areas, radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, aerodrome operating minimum, etc.

This chart provides the flight crew with information that will enable them to perform an approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.

h) Aeronautical Chart of Nepal - 1:500,000

3.2.5 List of aeronautical charts available
(To be developed)**3.2.6 Index to the world Aeronautical Chart (WAC)- ICAO 1:1000 000**
Aeronautical Chart - ICAO - 1:500,000 is produced instead of WAC 1:1 000 000**3.2.7 Topographical Charts**

To supplement the aeronautical charts a wide range of topographical charts are available from:

Topographical Survey Branch
Department of Survey
Government of Nepal
Kathmandu

3.2.8 Correction to charts not contained in the AIP

The Correction of Aeronautical Charts is done as and when required.

GEN 3.3 AIR TRAFFIC SERVICES**3.3.1. Responsible Service**

Civil Aviation Authority of Nepal (CAAN) is the responsible authority for the provision of air traffic services within the Kathmandu FIR (VNSM).

Director General
Civil Aviation Authority of Nepal
Babar Mahal, Kathmandu Nepal.
TEL: 977-1-4262387, 4262532
Fax: 977-1-4262516
AFS: VNKTYAYX
Email: dgca@caanepal.gov.np

The services are provided in accordance with the provisions contained in the following ICAO and CAAN documents;

Annex 2	-	Rules of the Air
CAR 2	-	Civil Aviation Requirement for Rules of the Air - CAR 2
Annex 11	-	Air Traffic Services
CAR 11	-	Civil Aviation Requirement for Air Traffic Services - CAR 11
MATS Nepal	-	Manual of Air Traffic Services
Doc 4444	-	Procedures for Air Navigation Services - Air Traffic Management (PANS -ATM)
Doc 8168	-	Procedures for Air Navigation Services -Aircraft Operations (PANS - OPS)
Doc 7030	-	Regional Supplementary Procedures

Differences to these provisions are detailed in subsection GEN 1.7.

3.3.2. Area of Responsibility

Air traffic services are provided for the entire territory of Nepal.

3.3.3. Types of Services

The following types of services are provided:

Aerodrome Control Service	Approach Control Service (Non- RADAR)	Approach Control Service (RADAR)	Area Control Service (Non- RADAR)	Area Control Service (RADAR)
Kathmandu Biratnagar Bhairahawa Bharatpur Simara Nepalgunj Pokhara Janakpur Dhangadhi Chandragadhi Surkhet	Kathmandu TMA, CTR Biratnagar CTR Bhairahawa CTR Simara CTR Nepalgunj TMA, CTR Dhangadhi CTR Chandragadhi CTR Janakpur CTR	Kathmandu TMA, CTR	Kathmandu FIR (VNSM) excluding CTRs within Kathmandu Sector and Nepalgunj Sector at or below 13500 ft.	Kathmandu TMA and Airways

Flight Information Service (FIS) & Alerting Service	SMC	AFIS	ATIS
Kathmandu VNSM, TMA, all CTR, all CTA and all Aerodromes	Kathmandu, TIA	All Uncontrolled Aerodromes	Kathmandu, TIA

Air Traffic control is exercised;

- a) On airways, covering the main ATS routes;
- b) In Terminal Control Area,
- c) In control zones at controlled aerodromes equipped with approach and/or landing aids.

3.3.4. Co-ordination between the Operator and ATS

Co-ordination between the operators and air traffic services is affected in accordance with 2.16 of Annex 11.

3.3.5. Minimum Flight Altitude

The minimum flight altitudes on the ATS routes, as presented in section ENR 3, have been determined so as to ensure a minimum vertical clearance above the controlling obstacle in the area concerned.

3.3.6. ATS Units Address List

Unit Name	Postal Address	Telephone NR	Fax NR	AFS address
1	2	3	4	5
KATHMANDU ACC	Tribhuvan Int'l Airport, Gauchar Kathmandu	977-1-4113259	977-1-4113296	VNKTZRZX
KATHMANDU APP	Tribhuvan Int'l Airport, Gauchar Kathmandu	977-1-4113258	977-1-4113296	VNKTZAZX
KATHMANDU TOWER	Tribhuvan Int'l Airport, Gauchar Kathmandu	977-1-4113160	–	VNKTZTZX
ATS REPORTING OFFICE	Tribhuvan Int'l Airport, Gauchar Katmandu	977-1-4113165	–	VNKTZPZX

GEN 3.4 COMMUNICATION AND NAVIGATION SERVICES

3.4.1. Responsible Service

The responsible service for the provision of telecommunication and navigation facility services in Nepal is the Civil Aviation Authority of Nepal.

Director General
Civil Aviation Authority of Nepal
Babar Mahal, Kathmandu Nepal.
TEL: 977-1-4262387, 4262532
Fax: 977-1-4262516
AFS: VNKTYAYX
Email: dgca@caanepal.gov.np

The service is provided in accordance with the provisions contained in the following ICAO documents:

- a) Annex 10 - Aeronautical Telecommunications
- b) CAR 10 - Civil Aviation Requirement for Aeronautical Telecommunications
- c) Doc 8400 - procedures for Air Navigation Services - ICAO Abbreviation and Codes (PANS - ABC)
- d) Doc 8585 - Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services
- e) Doc 7030 - Regional Supplementary procedures
- f) Doc 7910 - Location Indicators

Differences to these provisions are detailed in subsection GEN 1.7.

3.4.2 Area of Responsibility

Communication services are provided for the entire Kathmandu FIR. Arrangements for such services on continuing basis should be made with the Director General, Civil Aviation Authority of Nepal, who is also responsible for the application of the regulations concerning the design, type and installations of aircraft radio stations. Responsibility for the day-to-day operation of these services is vested in airport managers located at each aerodrome. Enquiries, suggestions or complaints regarding any telecommunication service should be referred to the relevant Airport Manager/General Manager TIA or to DG CAAN, as appropriate.

3.4.3. Types of Service

3.4.3.1. *Radio navigation services*

The following types of radio aids to navigation are available:

- a) LF/MF non-directional beacon (NDB)
- b) VHF omnidirectional radio range (VOR)
- c) Distance measuring equipment (DME)

3.4.3.2. *Mobile/Fixed Services*

Mobile Service

The aeronautical stations maintain a continuous watch on their stated frequencies during the published hours of service unless otherwise notified.

An aircraft should normally communicate with the air-ground control radio station that exercises control in the area in which the aircraft is flying. Aircraft should maintain a continuous watch on the appropriate frequency of the control station and should not abandon watch, except in an emergency, without informing the control radio station.

Fixed Service

The message to be transmitted over the Aeronautical Fixed Service (AFS) are accepted only if,

- a) they satisfy the requirements of Annex 10, Vol. II Chapter 3,3.3;
- b) they are prepared in the form specified in Annex 10;
- c) the text of an individual message does not exceed 1800 characters in length.

General aircraft operating agency messages (priority KK) are only accepted for transmission to countries that have agreed to accept Class "B" traffic.

3.4.3.3. *Broadcasting Service*

The following broadcast is available for the use of aircraft in flight: -

- a) VHF Automatic Terminal Information Service (ATIS) broadcast

STATION	CALL SIGN / IDENTIFICATION	FREQ MHz	HOURS UTC	REMARKS
1	2	3	4	5
Kathmandu/ Tribhuvan Int'l Airport	Tribhuvan Int'l Airport	127.0	24 HRs	Blank Periods on the ATIS broadcast Pilots are advised that during the process of updating the ATIS information there will be a period of 30 to 60 seconds of silence prior to the commencement of the next cycle of transmission. Alphabetical Reference All ATIS broadcast will include alphabetical reference for identification in the ATIS message, beginning each day with the alphabet letter 'ALFA', then following up with letter 'BRAVO' at the next broadcast until the last alphabet 'ZULU' is reached after which subsequent broadcast letter 'ALFA'. Updating of Data as per requirement

3.4.3.4. *Language used: English*

3.4.3.5. *Where detailed information can be obtained*

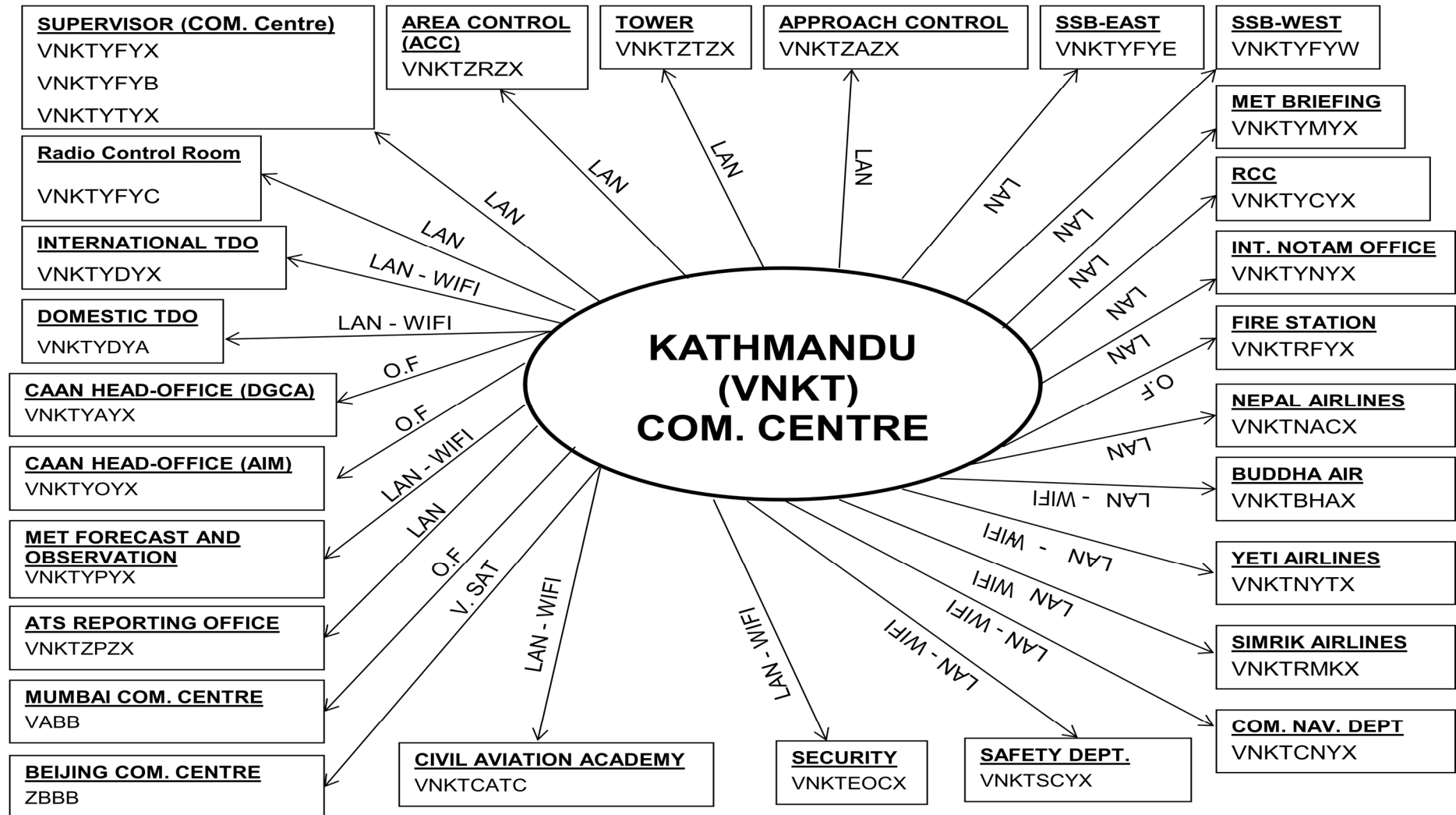
Details of the various facilities available for the en-route traffic can be found in Part 2, ENR 4.

Details of the facilities available at the individual aerodromes can be found in the relevant sections of Part 3 (AD). In case where a facility is serving both the en-route traffic and the aerodromes, details are given in the relevant sections of Part 2 (ENR) and Part 3 (AD)

3.4.4 Requirements and Conditions

The requirements of the Communication Services and the general conditions under which the communication services are available for international use, as well as the requirements for the carriage of radio equipment, are contained in the Civil Aviation Regulations of Nepal, 2058(2002).

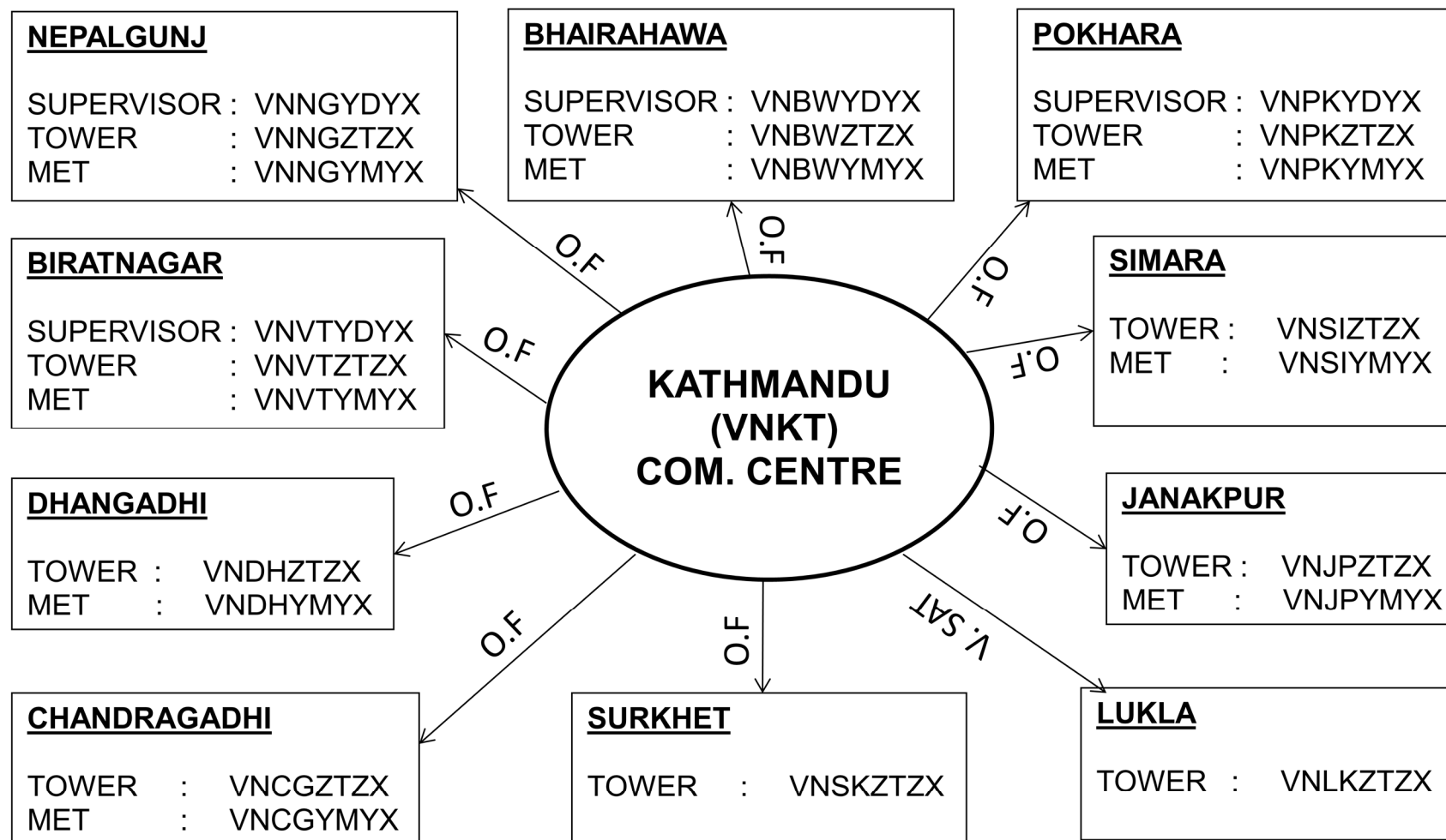
3.4.5. Aeronautical Fixed Service Telegraph ATS Message Handling System (AMHS)



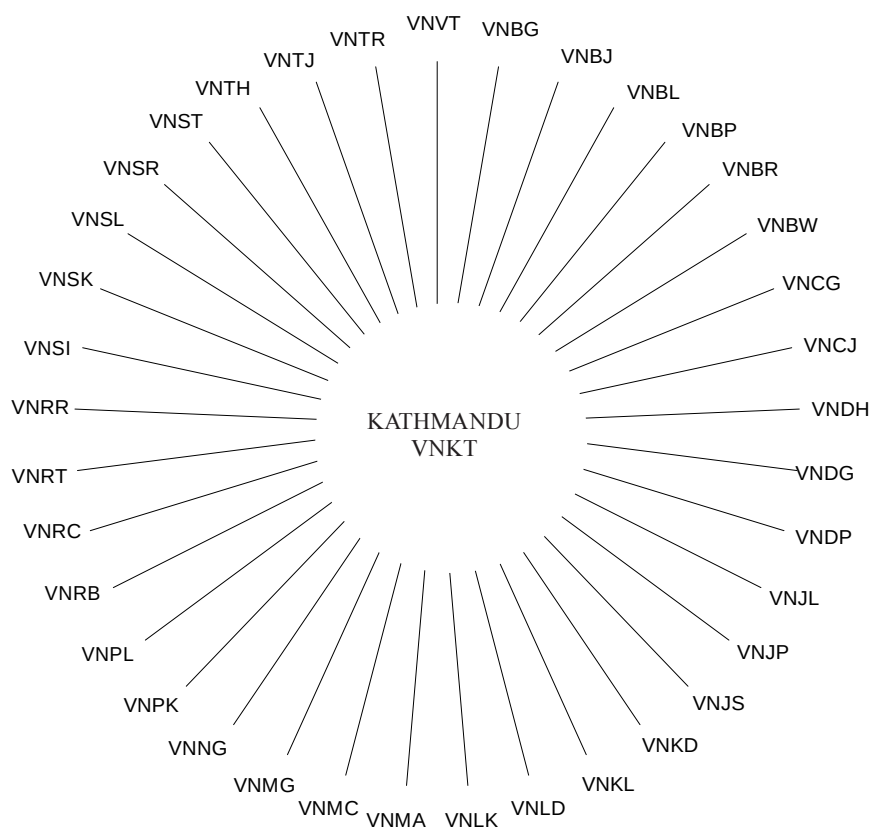
O.F = OPTICAL FIBER

3.4.6. Aeronautical Fixed Service ATS Message Handling System (AMHS) (Domestic Airports)

DOMESTIC AIRPOTRS



3.4.7 Aeronautical Fixed Services: Radio Telephony



3.4.8. Aeronautical Fixed Services

AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT										
STATION			CORESPONDENT		TYPE OF CHANNEL	RADIO FREQUENCIES		TYPE OF TRAFFIC	HOURS+	REMARKS
NAME	LOCATION INDICATOR	CALL	NAME	CALL SIGN		TRANS KHZ	REC KHZ			
1	2	3	4	5	6	7	8	9	10	11
KATHMANDU	VNKT		BEIJING CULCUTTA MUMBAI		V-SAT LTT SAT.COM			AFS AFS	H24	
KATHMANDU	VNKT	KATH RADIO	BAJHANG	BAJHANG	RTF/SSB	5858.0	5858.0		HS***	
				INFO		3380.5	3380.5			
			BAJURA	BAJURA	RTF/SSB	5858.0	5858.0		HS***	
				INFO		3380.5	3380.5			
			BHARATPUR	BHARATPUR	RTF/SSB	5858.0	5858.0		HS*	
				TOWER		3380.5	3380.5			
			BHAIRAHAWA	BHAIRAHAWA	RTF/SSB	5858.0	5858.0		HS*	
				TOWER		3380.5	3380.5			
			BHOJPUR	BHOJPUR	RTF/SSB	5805.5	5805.5		HS**	
				INFO		3280.25	3280.25			
			BIRATNAGAR	BIRATNAGAR	RTF/SSB	5805.5	5805.5		HJ*	
				TOWER		3280.25	3280.25			
			CHANDRAGADHI	CHANDRAGADHI	RTF/SSB	5805.5	5805.5		HS***	
				TOWER		3280.25	3280.25			
			DHANGADHI	DHANGADHI	RTF/SSB	5858	5858		HS***	
				TOWER		3380.5	3380.5			
			DOLPA	DOLPA	RTF/SSB	5858	5858		HS**	
				INFO		3380.5	3380.5			
			JANAKPUR	JANAKPUR	RTF/SSB	5805.5	5805.5		HJ*	
				TOWER		3280.25	3280.25			
			JOMSOM	JOMSOM	RTF/SSB	5858	5858.0		HS**	
				INFO		3380.5	3380.5			
			JUMLA	JUMLA		5858	5858.0		HS*	
				INFO		3380.5	3380.5			
			KANGEL DANDA	KANGEL	RTF/SSB	5858	5858.0		HS***	
				INFO		3380.5	3380.5			
			LAMIDANDA	LAMIDANDA	RTF/SSB	5805.5	5805.5		HS***	
				INFO		3280.25	3280.25			
			LUKLA	LUKLA	RTF/SSB	5805.5	5805.5		HS**	
				INFO		3280.25	3280.25			
			KHANI DADA	KHANIDADA	RTF/SSB	5858	5858.0		HS***	
				INFO		3380.5	3380.5			
			NEPALGUNJ	NEPALGUNJ	RTF/SSB	5858	5858.0		HJ*	

GEN 3.5 METEOROLOGICAL SERVICES

3.5.1. Responsible Service

The meteorological services for civil aviation authority of Nepal are provided by the associated meteorological watch offices of Department of Hydrology and Meteorology by which meteorological watch is provided within Kathmandu FIR.

Director General,
Department of Hydrology and Meteorology
P.O.Box. 406, Naxal, Nagapokhari, Kathmandu
TEL: 977-1-4429919, 4426136
Email: dg@dhm.gov.np
AFS: VNKTYMYX

The service is provided in accordance with the provisions contained in the following ICAO documents:

Annex 3 - Meteorological Services for International Air Navigation

CAR 3 - Civil Aviation Requirement for Meteorological Services for International Air Navigation

Doc 7030 - Regional Supplementary Procedures

Doc 9673 - Air Navigation Plan-Asia and the Pacific

Differences to these provisions are detailed in subsection GEN 1.7.

3.5.2. Area of Responsibility

Meteorological service is provided within the Kathmandu FIR.

3.5.3. Meteorological Observation and Reports

Table GEN 3.5.3 Meteorological Observations and reports

Name of station/ Location Indicator	Type & frequency of observation / automatic observing equipment	Type of MET reports & supplementary information on included	Observation System & Site (S)	Hours of Operation	Climatological information
TRIBHUVAN INTL AIRPORT/VNKT	HALF HOURLY	METAR SPECI Trend TAF	a) SFC Wind sensor 81.5 m of C/L of RWY, 300m from end of 02 RWY. Temper- ature and Pressure sensor 81.5 m of C/L of 02 RWY. b) SFC Wind sensor 82.0 m, of C/L of RWY, 300m from end of 20 RWY. Temper- ature and Pressure sensor 82.0 m of C/L of 20 RWY.	24 hours.	Monthly
POKHARA /VNPK	HOURLY	METAR SPECI	SFC Wind sensor 30 m of C/L of RWY, Temperature and Pressure sensor 30m of C/L of RWY.	0015-1845 (NST)	NIL
BHAIRAHAWA/ VNBW	HOURLY	METAR SPECI	SFC Wind sensor 30m of C/ L of RWY, Temperature and Pressure 30 m of C/L of RWY	0015-1845 (NST)	NIL
NEPALGUNJ/ VNNG	HOURLY	METAR SPECI	SFC Wind sensor 40m of C/ L of RWY, Temperature and Pressure 40 m of C/L of RWY	0015-1845 (NST)	NIL
SIMARA/VNSI	HOURLY	METAR SPECI	SFC Wind sensor 35m of C/ L of RWY, Temperature and Pressure 35m of C/L of RWY	0015-1845 (NST)	NIL
BIRATNAGAR/ VNVT	HOURLY	METAR SPECI	SFC Wind sensor 30m of C/L of RWY, Tem- perature and Pressure 30m of C/L of RWY	0015-1845 (NST)	NIL

3.5.4. **Types of Services**

1. ***Observational Data and Forecasts***

Routine and selected special observation reports on current weather, terminal aerodrome and landing forecasts with trend for Tribhuvan International Airport, forecasts for en-route weather condition and special weather warning for Kathmandu valley are issued.

2. ***Met Briefing***

Oral briefing for current flight operation and for advance operational planning of international flights as well as for domestic flights is provided in person using displayed weather charts and satellite cloud pictures and other meteorological aids to the pilot-in-command or his representative prior to departure (in the Met. Forecasting Division O/A building, TIA).

3. ***Flight Documentation***

Flight documentation consisting of Kathmandu aerodrome forecast and terminal forecasts for destination and alternate aerodromes in abbreviated tabular form together with tabular forecasts of en-route weather are issued.

4. ***Relaying of Sigmet***

All Sigmet informations received from terminals outside Nepal are relayed to the out going aircraft in flight by the Met. office through ATS radio Channels.

3.5.5. **Notification Required from Operators**

Notification from operators in respect of briefing, consultation, flight documentation and other meteorological information needed by them (ref Annex 3, 2.3) is normally required sufficiently in advance for scheduled flights. However, no such notification is required subject to the provision of bi-lateral agreement. For non scheduled flights a prior notification should be made at least 24 hours before.

3.5.6. **Aircraft Reports**

1. Air reports at major ATS routes and aerodromes shall be made by all aircraft.
2. Special observations shall be made whenever the following weather phenomenon are encountered or observed-
 - a) severe turbulence; or
 - b) severer icing; or
 - c) severe mountain wave; or
 - d) thunderstorm without hail, that are obscured, embedded, widespread or in squall lines; or
 - e) thunderstorm with hail, that are obscured, embedded, widespread or in squall lines; or
 - f) heavy dust storm or heavy sandstorm; or
 - g) volcanic ash cloud; or
 - h) pre-eruption activity or a volcanic eruption

3. ***Reporting of Low Level Wind Shear***

3.1. Pilots encountering wind shear shall report to ATC as soon as possible, when reporting it on radio telephony, the information should be transmitted in the following order

- a) Aircraft Call Sign;
- b) WIND SHEAR Report;
- c) Time (occurrence);
- d) Position (of wind shear);
- e) Intensity (moderate, strong or severe); and
- f) Average Height of Wind Shear Layer.

3.2. On receipt of wind- shear report from a pilot, ATC will pass it to other aircraft in the vicinity. This will also be broadcasted in the ATIS for the next half an hour unless subsequent report indicates that wind shear no longer exists.

3.5.7. VOLMET service

Table GEN 3.5.7 VOLMET service

Name of station	CALL SIGN Identification (EM)	Frequency	Broadcast Period	Hours of service	Aerodrome/ Heliports included	REP, SIGMET INFO, FCST & Remarks
1	2	3	4	5	6	7

3.5.8. SIGMET, AIRMET Service

Location Indicators	Hours	FIR of CTA served	Types of SIGMET/ validity	Specific procedures	ATS unit served	Additional information
1	2	3	4	5	6	7

3.5.9. Other Automated Meteorological Services

Table 3.5.9 other automated meteorological services

Service Name	Information available	Area, route and aerodrome coverage	Telephone, and Fax number Remarks
1	2	3	4
Meteorological Forecasting Division	METAR TAF	Kathmandu FIR	Telephone: 977-1-4473382 977-1-4473268 AFS: VNKTPYX
ATIS Broadcast	METAR	Kathmandu TMA	Telephone: 977-1-4113160 Fax: 977-1-4113296 AFS: VNKTPYX
Real Time Weather Information (AWOS)	QNH, Temperature/Dew Point	Kathmandu TMA	Telephone: 977-1-4113258 977-1-4113259 Fax: 977-1-4113296

Note.— Details of meteorological briefing at aerodromes are given in the individual aerodrome sections, i.e. AD2. .

GEN 3.6 SEARCH AND RESCUE

3.6.1. Responsible Service(s)

The search and rescue service within Kathmandu FIR (VNSM) is organized by the Civil Aviation Authority of Nepal in collaboration with other Government agencies. The postal and telegraphic addresses of the Civil Aviation Authority of Nepal are given on page GEN 1.1-1. When SAR operations involving civil aircraft are needed, The Rescue Co-ordination Center at TIA is activated; the address is as follows:

Rescue Co-ordination Center (RCC)
Tribhuvan International Airport, Kathmandu
TEL: 977-1-4113222
Fax: 977-1-4112233
AFS: VNKTYCYX

SAR focal point of COSPAS-SARSAT is as follows:

The Chief, RCC
Tribhuvan International Airport Civil Aviation Office
TEL: 977-1-4113222
Fax: 977-1-4113296

Website: www.rcc.caanepal.gov.np

The service is provided in accordance with the provisions contained in Civil Aviation Requirements for Search and Rescue (CAR-12)

3.6.2. Area of Responsibility

The search and rescue service is responsible for SAR operations within Kathmandu FIR.

3.6.3 Types of Service

Details of related rescue units are given in Table 3.6.3-Search and Rescue Units. In addition, various elements of Nepal Army, Nepal Police, Armed Police Force, Municipal and Local bodies, airline operator and other public private entities are also available for search and rescue missions, when required. The aeronautical and public telecommunication services are also available to the search and rescue organization.

All aircraft carry survival equipment, consisting of medical supplies, emergency rations and survival radio equipment. Aircraft and ground rescue teams are equipped to communicate on 121.5 MHz / 406 MHz.

Name	Location	Facilities	Remarks
1	2	3	4
Kathmandu	274150 N 0852128 E	Fixed wing aircraft 1.Avro 2.Sky truck 3.Islander Rotor wing 1.Mi-17 2.Alouette 3.Ecureuil 4.Lancer/Cheetah 5.Bell	Types of aircraft provided are as available with Director General of Army aviation mid air base.

3.6.4. SAR Agreements

No formal SAR agreement exists between the Kathmandu RCC and RCC of adjacent states. However, facilitation of entry for SAR purposes is coordinated on the inter-area speech circuits with neighboring rescue coordination centers and air traffic control centers.

3.6. 5. Condition of Availability

Although specific SAR aircraft are not immediately available in Nepal, other organizations will, on request, provide assistance of aircraft, equipment and personnel for the conduct of air searches.

3.6. 6. Procedures and signals used

1. *Procedures and signals used by aircraft*

Procedures for pilots-in-command observing an accident or intercepting a distress call and/or message are outlined in Civil Aviation Requirements for Search and Rescue (CAR-12), Chapter 5.

2. *Communications*

Transmission and reception of distress messages within the Kathmandu FIR are handled in accordance with Annex 10, Volume II, Chapter 5, paragraph 5.3.

The frequency 121.5 MHz/406 MHz is guarded continuously during the hours of service by Kathmandu ACC/ RCC.

3 Search and Rescue Signal

The Search and rescue signal to be used are those prescribed in ICAO Annex 12, Chapter 5, paragraph 5.10

Ground/air visual signal codes for use by survivors

No	Message	Code Symbol
1.	Require Assistance	✓
2.	Require Medical Assistance	✕
3.	No or Negative	N
4.	Yes or Affirmative	Y
5.	Proceeding in this direction	↑

Instruction for use

- Make signals not less than 8 ft (2.5 m)
- Take care to lay out signals exactly as shown
- Provide as much color contrast as possible between signals and background
- Make every effort to attract attention by other means such as radio, flares, smoke, reflected light.

GEN 4. CHARGES FOR AERODROMES/HELIPORTS AND AIR NAVIGATION SERVICES

GEN 4.1 AERODROME/HELIPORTS CHARGES

1. Landing of Aircraft

1.1. Unless specifically exempted by the Government of Nepal, a landing fee shall be paid in respect of all aircraft landing at aerodromes administered by the Civil Aviation Authority of Nepal.

1.2. For the purpose of assessing the fee, the total weight of an aircraft shall be the maximum permissible takeoff weight as specified in the relevant certificate of airworthiness or manufacturer's approved flight manual.

1.3. The owner, commander or the agent is required to submit the original or certified true copy of documentary proof of the total weight as specified in paragraph 1.2 above. In the event of non-availability of the documentary proof, the computation of charges would be based on the maximum permissible takeoff weight of that aircraft model/series as shown in Jane's All the world's aircraft book.

1.4. The owner, commander or the agent, who is eligible, can pay landing fees in Nepalese currency at a convertible rate fixed by the central bank of Nepal for the particular day

1.5. Landing Fees:

a) International Flights

Aircraft Weight (Kg)	Fees
Up to 10,000 Kgs.	\$ 1.25 per 1000 Kgs.
10,001 Kgs. ~ 25,000 Kgs.	\$ 12.25 Plus \$ 2.50 for each 1000 Kgs. in excess of 10,000 Kgs.
25,001 Kgs. ~ 50,000 Kgs.	\$ 49.00 Plus \$ 3.75 for each 1000 Kgs. in excess of 25,000 Kgs.
50,001 Kgs. ~ 75,000 Kgs.	\$ 140.50 Plus \$ 6.00 for each 1000 Kgs. in excess of 50,000 Kgs.
75,001 Kgs. ~ 100,000 Kgs.	\$ 293.25 Plus \$ 7.35 for each 1000 Kgs. in excess of 75,000 Kgs.
Any Part Over 100,000 Kgs.	\$ 475.00 Plus \$ 8.55 for each 1000 Kgs. in excess of 100,000 Kgs.