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## ENR 1.7 ALTIMETER SETTING PROCEDURES

### 1. Introduction

The altimeter setting procedures in use generally conform to those contained in ICAO Doc 8168, Vol I, part 6 and are given in full below, Differences are shown in quotation marks.

Transition altitudes are given on the instrument approach charts.

QNH reports and temperature information for use in determining adequate terrain clearance are provided in MET broadcasts and are available on request from the air traffic services units. QNH values are given in hectopascals.

### 2. Basic Altimeter Setting Procedures

#### 2.1. General

2.1.1. The system of altimetry in Kathmandu FIR (VNSM) makes use of a transition layer to separate aircraft using QNH from those using 1013.2 hPa. The transition layer for Kathmandu FIR is between a transition altitude of 13500 ft. and a transition level of FL 150. Cruising within the transition layer is not permitted.

2.1.2. Vertical positioning of aircraft when at or below the transition altitude is expressed in terms of altitude, whereas such positioning at or above the transition level is expressed in terms of flight levels. While passing through the transition layer, vertical positioning is expressed in terms of altitude when descending and in terms of flight levels while ascending.

2.1.3. All air traffic at or below the transition altitude will use Kathmandu QNH supplied by ATC units. At controlled aerodromes other than Kathmandu, in-bound traffic will set local QNH on entering control zone boundary and out-bound traffic will change from local QNH to Kathmandu QNH on leaving the control zone boundary.

2.1.4. The change from QNH to 1013.2 hPa will be made on climbing through the transition altitude. During descent the change from 1013.2 hPa to QNH will be made at the transition level.

2.1.5. Flight level zero is located at the atmospheric pressure level of 1 013.2 hPa (29.92in). Consecutive flight levels are separated by a pressure interval corresponding to 500 ft (152.5m) in the standard atmosphere.

*Note.— Examples of the relationship between flight levels and altimeter indications are given in the following table, the metric equivalents being approximate:*

Flight Level Number	Altimeter indication	
	Feet	Meters
150	15000	4550
200	20000	6100
250	25000	7620