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.

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 A transition altitude is specified for each aerodrome.

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 when climbing.

2.1.3 Flight level zero is located at the atmospheric pressure level of 1 013.2 hPa (760 mm Hg).
The first consecutive flight level in an airspace in which responsibility for air traffic service rests with the ATC units of the Republic of Armenia is the flight level 3000 ft.

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	***Metres***
10	1 000	300
15	1 500	450
20	2 000	600
50	5 000	1 500
100	10 000	3 050
150	15 000	4 550
200	20 000	6 100

2.2 Take-off and climb

2.2.1 A QNH altimeter setting is made available to aircraft in taxi clearance prior to take-off.
The QFE value will be given on request only.

2.2.2 Vertical positioning of aircraft during climb is expressed in terms of altitudes until reaching the transition altitude above which vertical positioning is expressed in terms of flight levels.

2.3 Vertical separation — en route

2.3.1 Vertical separation during en-route flight shall be expressed in terms of flight levels at all times “during an IFR flight and at night”.

2.3.2 Flights operating outside controlled airspace on an altitude lower then 11 500 ft MSL, the altitude measure is performed according QNH.

2.3.3 IFR/VFR flights, above 3000 ft, corresponding to the magnetic tracks shown in the following table, as it will provide the required terrain clearance:

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	000˚-179˚		180˚-359˚	
	IFR	**VFR**	**IFR**	**VFR**
Flight level number	30	35	40	45
	50	55	60	65
	70	75	80	85
	90	95	100	105
	.....	etc.	.....	etc.
	270		280	
	290		300	
	310		320	
	etc.		etc.	

Note: Some of the lower levels in the above table may not be usable due to terrain clearance requirements.

2.4 Approach and landing

2.4.1 A QNH altimeter setting is made available in approach clearance and in clearance to enter the traffic circuit.

2.4.2 QFE altimeter settings will be given on request only.

2.4.3 Vertical positioning of aircraft during approach is controlled by reference to flight levels until reaching the transition level below which vertical positioning is controlled by reference to altitudes.

2.5 Missed approach

2.5.1 The relevant portions of 2.1.2, 2.2 and 2.4 shall be applied in the event of a missed approach.

3 Description of altimeter setting region

NIL

4 Procedures applicable to operators (including pilots)

4.1 Flight planning

The levels at which a flight is to be conducted shall be specified in a flight plan. The flight level on a route section in which responsibility for air traffic service rests with Armenia shall be expressed in the following manner in terms of flight level and is designated as F.
E.g.: F310 corresponds to the FL 310.

5 Tables of cruising levels

The cruising levels to be observed when so required are as follows:

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MAGNETIC TRACK												
From 000 degrees to 179 degrees						From 180 degrees to 359 degrees					
IFR Flights			VFR Flights			IFR Flights			VFR Flights		
FL	Altitude		FL	Altitude		FL	Altitude		FL	Altitude	
	Metres	Feet		Metres	Feet		Metres	Feet		Metres	Feet
30	900	3 000	35	1 050	3 500	40	1 200	4 000	45	1 350	4 500
50	1 500	5 000	55	1 700	5 500	60	1 850	6 000	65	2 000	6 500
70	2 150	7 000	75	2 300	7 500	80	2 450	8 000	85	2 600	8 500
90	2 750	9 000	95	2 900	9 500	100	3 050	10 000	105	3 200	10 500
110	3 350	11 000	115	3 500	11 500	120	3 650	12 000	125	3 800	12 500
130	3 950	13 000	135	4 100	13 500	140	4 250	14 000	145	4 400	14 500
150	4 550	15 000	155	4 700	15 500	160	4 900	16 000	165	5 050	16 500
170	5 200	17 000	175	5 350	17 500	180	5 500	18 000	185	5 650	18 500
190	5 800	19 000	195	5 950	19 500	200	6 100	20 000			
210	6 400	21 000				220	6 700	22 000			
230	7 000	23 000				240	7 300	24 000			
250	7 600	25 000				260	7 900	26 000			
270	8 250	27 000				280	8 550	28 000			
290	8 850	29 000				300	9 150	30 000			
310	9 450	31 000				320	9 750	32 000			
330	10 050	33 000				340	10 350	34 000			
350	10 650	35 000				360	10 950	36 000			
370	11 300	37 000				380	11 600	38 000			
390	11 900	39 000				400	12 200	40 000			
410	12 500	41 000				430	13 100	43 000			
450	13 700	45 000				470	14 350	47 000			
490	14 950	49 000				510	15 550	51 000			
etc.	etc.	etc.				etc.	etc.	etc.			

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