ENR 1.7 ALTIMETER SETTING PROCEDURES

1. INTRODUCTION

The Altimeter Setting Procedure in use generally conforms to those contained in ICAO DOC 8168-PS/611 and are given in full below.

Transition altitudes are given in AD 2. In addition, they are given on instrument approach charts.

2. BASIC ALTIMETER SETTING PROCEDURES

2.1 General

2.1.1 QNH reports and temperature information for use in determining adequate terrain clearance is provided in MET broadcasts and are available on request from air traffic services units. QNH values are given in whole Hectabascal .However they will be provided in Inches of mercury on request.

2.1.2 The transition Altitude for Jordanian aerodromes and controlled airspace is ALT 13000, and the Transition level is FL150.

2.1.3 The minimum cruising level along airways within Amman FIR is ALT 11000; Flight is permitted below this level between 9000 FT ALT and the published Minimum Enroute Altitudes.

2.1.4 Altimeter Setting Procedures

2.1.4.1 The lowest ground Level in Jordan is the shore line of the Dead Sea,1296 FT (385M) below Mean Sea Level .

2.1.4.2 Vertical positioning of Aircraft when at or below the transition altitude is expressed in terms of altitude Where as 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 altitudes when descending and in terms of flight levels when ascending .

2.1.4.3 Flight level Zero is located at atmospheric pressure level of 1013.25 HPA (29.92 Inches) Consecutive flight levels are separated by a pressure interval corresponding to 500 FT in standard atmosphere below FL290, and by a pressure interval corresponding to 1000 FT in the standard Atmosphere above FL290.

NOTE: Examples of the relationship between flight levels Altimeter indications are given in the following table, the metric equivalents being approximate:

Flight Level	Altimeter Indication	
Number	**Feet**	**Meters**
11000 ALT	11000	3350
150	15000	4550
200	20000	6100
etc.	etc .	etc .

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.

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 Unless otherwise authorized by the appropriate ATS Unit, Flights shall be conducted at flight levels corresponding to the following table:

2.3.2 VFR flight is not permitted above flight level 200.

2.4 Approach and Landing

2.4.1 A QNH Altimeter Setting is made available in the approach clearances and in clearances to enter the traffic circuit.

2.4.2 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 2.4.1.3, 2.2 and 2.4 (of this page) shall be applied in the case of missed approach

3. DESCRIPTION OF ALTIMETER SETTING REGION

3.1 there is a single altimeter pressure setting region which covers the entire Amman FIR, however see para 2.2.2 above.

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 flight plan:

a. In terms of Flight Levels if flight is to be conducted at or above the transition level, and
b. In terms of altitudes if the flight is to be conducted in the vicinity of an aerodrome and at or below the transition altitudes.

NOTE: 1- Short flight in the vicinity of an aerodrome may often be conducted only at altitudes below the transition altitude.

NOTE: 2-Flight Levels are specified in a flight plan by number, and not in terms of feet or meters as in the case of altitudes.

5. TABLE OF CURSING LEVELS

The cruising levels are as follows:

MAGNETIC TRACK											
From 000 degrees to 179 degrees						From 180 degrees to 359 degrees					
IFR Flights			VFR Flights			IFR Flights			VFR Flights		
Altitude			Altitude			Altitude			Altitude		
FL	Meters	Feet	FL	Meters	Feet	FL	Meters	Feet	FL	Meters	Feet
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	205	6 250	20 500
210	6 400	21 000	215	6 550	21 500	220	6 700	22 000	225	6 850	22 500
230	7 000	23 000	235	7 150	23 500	240	7 300	24 000	245	7 450	24 500
250	7 600	25 000	255	7 750	25 500	260	7 900	26 000	265	8 100	26 500
270	8 250	27 000	275	8 400	27 500	280	8 550	28 000	285	8 700	28 500
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.	Etc.	Etc.	Etc.