

APPENDIX 1. FLIGHT CREW LICENCES AND AIRCRAFT CATEGORY RATINGS

SECTION 1.1 BASIC AERONAUTICAL KNOWLEDGE (BAK)

Unit 1.1.1 BAKC: Basic aeronautical knowledge – all aircraft categories

1. Reserved

2. Terminology

2.1 Direction of flight

2.1.1 Describe direction using the following methods:

- (a) as a 3 figure group;
- (b) as a 2 figure group;
- (c) in the clock code.

2.1.2 Define the meaning of aircraft heading (HDG).

2.1.3 Describe the differences between the following terms when used to describe direction:

- (a) true (T);
- (b) magnetic (M);
- (c) compass (C).

2.2 Distance, speed and velocity

2.2.1 State the units used for lateral distance in respect of the following:

- (a) navigation;
- (b) visibility.

2.2.2 Define the meaning of knot (kt) when used to express aircraft speed.

2.2.3 Define wind velocity (W/V).

2.2.4 Differentiate between the following acronyms:

- (a) IAS;
- (b) CAS;
- (c) TAS;
- (d) GS.

2.3 Time

2.3.1 Express time as a 4 figure group (24 hour time).

2.3.2 Convert local standard time to UTC.

2.3.3 Convert UTC to local standard time.

2.4 Units of measurement

2.4.1 State the units used to describe vertical measurement and the differences between the following:

- (a) height;
- (b) altitude;
- (c) elevation.

2.4.2 State the unit of measurement used to express:

- (a) runway dimensions;
- (b) temperature;
- (c) atmospheric pressure;
- (d) weight;