



EAST AFRICAN SCHOOL OF AVIATION

ATC AERODROME INDUCTION

FINAL

SUBJECT: AIS & FLIGHT PLANNING

STREAM: ATC COURSE No. 74

Duration: 2 Hrs

DATE: 04/05/2017

TIME 11.00 – 13.00 AM

INSTRUCTION TO CANDIDATES

1. This paper consists of **THREE (3)** Pages
2. Attempt **ALL** questions in **SECTION A** and only **ONE** question in **SECTION B**
3. Read and understand all questions before attempting

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SECTION A: AERONAUTICAL INFORMATION SERVICES

1. What is the difference between an AIP supplement and an AIP amendment? **(4 marks)**

2. A notice containing information concerning flight safety, air navigation, technical, administrative, or legislative and originated at the AIS of a state is called: **(2 marks)**
 a) AIP b) AIC c) NOTAM d) AIRAC

2. What is the need for Aeronautical Information Service? **(3 marks)**

3. What is the colour of AIP supplements? **(1 marks)**

4. What is the maximum duration for a NOTAM? **(2 marks)**

5. List any 3 colour codes used in Aeronautical Information Circulars. **(3 marks)**

FLIGHT PLANNING

1. Define the term **Flight Plan** **(2 marks)**
2. State any **three** purposes of a flight plan **(3 marks)**
3. List any two types of flight plans you know **(2 marks)**
4. Complete the table below; following the example given in (a) **(8 marks)**

	Altitude in FEET	FL	EAST BOUND	WEST BOUND	IFR	VFR	RVSM	NONRVSM
(a)	26,000	260		√	√			√
(b)		380						
(c)		055						
(d)		145						
(e)		410						

SECTION B:

Q1. Assume you are the duty Air Traffic Controller (Tower) at Jomo Kenyatta International Airport (S01° 18' E036° 57'). KQA411 from Entebbe has just landed RWY 06 from Entebbe and the pilot has reported having experienced a problem with the Glide path (ILS) while on final. You have called the Engineers and they have confirmed that indeed the Glide path (ILS) is unserviceable and it would take approximately 4 days for it to resume normal operations. Issue a NOTAM advising pilots about it. **(20 marks)**

Q2. Given the following flight information, blank ATS flight plan form, equipment look-up table and a chart, file an ATS flight plan on behalf of the pilot. (20 Marks)

Aircraft Identification: **Kenya Airways, Flight Number 140**

Type of flight: **Non-Scheduled**

Type of aircraft: **De Haviland Canada, Dash 8 (100)**

Wake Turbulence Category: **Medium**

Equipment and capabilities: **GNSS, DME, VHF RTF, PBN approved, SSR transponder Mode A(4 digits-4096 codes) and Mode C, and ADS-B with dedicated 1090 MHz ADS-B “out” capability.**

Departure Aerodrome: **Jomo Kenyatta International Airport**

EOBT: **0200 UTC**

Cruising speed: **260 Nautical Miles Per Hour**

Destination Aerodrome: **Wajir**

Destination Alternate Aerodrome: **HKMA**

En-route alternate Aerodrome: **Garba Tula**

Aircraft Registration: **5YKIV**

PBN approvals: **RNAV 2 GNSS and RNP APCH**

Endurance: **5 ½ Hours**

Jackets: **Light**

Aircraft color: **Blue, Silver**

Dinghies: **NIL**

Emergency Radio: **UHF**

Pilot in Command: **You**

Survival equipment: **POLAR**