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## NEW PHRASEOLOGIES FOR SID AND STAR FOLLOWING IMPLEMENTATION OF PBN WITHIN THE MAURITIUS FIR

### 1. Introduction

PBN has been implemented within Mauritius FIR since 23 March 2023. On the same date, new SIDs and STARs had been introduced. With this change, new phraseologies (as prescribed by **ICAO Doc 4444**) were introduced for ATC clearances and these are reproduced below for pilots to understand what is expected from them when these are used specially when the term '**CLIMB VIA SID**' or '**DESCEND VIA STAR**' is used.

### 2. ATC Clearances

#### 2.1 Clearances on a SID

Clearances to aircraft on a SID with remaining published level and/or speed restrictions shall indicate if such restrictions are to be followed or are cancelled. The following phraseologies shall be used for ATC clearance with the following meanings:

- a) **CLIMB VIA SID TO (level):**
  - i) climb to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the SID; and
  - iii) **comply** with published speed restrictions
  
- b) **CLIMB VIA SID TO (level), CANCEL LEVEL RESTRICTION(S):**
  - i) climb to the cleared level; published level restrictions **are cancelled**;
  - ii) **follow** the lateral profile of the SID; and
  - iii) **comply** with published speed restrictions
  
- c) **CLIMB VIA SID TO (level), CANCEL LEVEL RESTRICTION(S) AT (point(s)):**
  - i) climb to the cleared level; published level restriction(s) at the specified point(s) **are cancelled**;
  - ii) **follow** the lateral profile of the SID; and
  - iii) **comply** with published speed restrictions
  
- d) **CLIMB VIA SID TO (level), CANCEL SPEED RESTRICTION(S):**
  - i) climb to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the SID; and
  - iii) published speed restrictions **are cancelled**.

- e) CLIMB **VIA** SID TO (*level*), **CANCEL** SPEED RESTRICTION(S) AT (*point(s)*):
  - i) climb to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the SID; and
  - iii) published speed restrictions **are cancelled** at the specified point(s).
  
- f) CLIMB **UNRESTRICTED** TO (*level*) or CLIMB TO (*level*), **CANCEL** LEVEL AND SPEED RESTRICTION(S):
  - i) climb to the cleared level; published level restrictions **are cancelled**;
  - ii) **follow** the lateral profile of the SID; and
  - iii) published speed restrictions **are cancelled**.

If there are no remaining published level or speed restrictions on the SID, the phrase CLIMB TO (*level*) should be used.

When subsequent speed restriction instructions are issued, and if the cleared level is unchanged, the phrase CLIMB VIA SID TO (*level*) should be omitted.

When a departing aircraft is cleared to proceed direct to a published waypoint on the SID, the speed and level restrictions associated with the bypassed waypoints are cancelled. All remaining published speed and level restrictions shall remain applicable.

## 2.2 Clearances on a STAR

Clearances to aircraft on a STAR with remaining published level and/or speed restrictions shall indicate if such restrictions are to be followed or are cancelled. The following phraseologies shall be used with the following meaning:

- a) DESCEND **VIA** STAR TO (*level*):
  - i) descend to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) **comply** with published speed restrictions
  
- b) DESCEND **VIA** STAR TO (*level*), **CANCEL** LEVEL RESTRICTION(S):
  - i) descend to the cleared level; published level restrictions **are cancelled**;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) **comply** with published speed restrictions
  
- c) DESCEND **VIA** STAR TO (*level*), **CANCEL** LEVEL RESTRICTION(S) AT (*point(s)*):
  - i) descend to the cleared level; published level restriction(s) at the specified point(s) **are cancelled**;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) **comply** with published speed restrictions
  
- d) DESCEND **VIA** STAR TO (*level*), **CANCEL** SPEED RESTRICTION(S):
  - i) descend to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) published speed restrictions **are cancelled**.

- e) DESCEND **VIA STAR** TO (*level*), **CANCEL** SPEED RESTRICTION(S) AT (*point(s)*):
  - i) descend to the cleared level and **comply** with published level restrictions;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) published speed restrictions **are cancelled** at the specified point(s).
  
- f) DESCEND **UNRESTRICTED** TO (*level*) or DESCEND TO (*level*), **CANCEL** LEVEL AND SPEED RESTRICTION(S):
  - i) descend to the cleared level; published level restrictions **are cancelled**;
  - ii) **follow** the lateral profile of the STAR; and
  - iii) published speed restrictions **are cancelled**.

If there are no remaining published level or speed restrictions on the STAR, the phrase DESCEND TO (*level*) should be used.

When subsequent speed restriction instructions are issued and if the cleared level is unchanged, the phrase DESCEND VIA STAR TO (*level*) should be omitted.

When an arriving aircraft is cleared to proceed direct to a published waypoint on the STAR, the speed and level restrictions associated with the bypassed waypoints are cancelled. All remaining published speed and level restrictions shall remain applicable.

### **3. Read back**

In order to avoid misunderstanding/confusion it is **mandatory** for pilots **to read back** all ATC clearances exactly as issued by ATC and **comply** with them.

K. SAKURDEEP  
for Director of Civil Aviation