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MEMORANDUM

TO

: AERODROME OPERATORS/ CLUSTER MANAGERS /

AREA MANAGERS

FROM

: THE DIRECTOR GENERAL

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

SUBJECT

: IMPLEMENTATION OF SWITCH-OVER TIME LIMITS

This Memorandum reiterates the Civil Aviation Authority of the Philippines (CAAP) Regulatory Policy for the Implementation of Switch-Over Time Limits in accordance with the requirement of the Manual of Standards for Aerodromes (MOS).

The main objective of this requirement is to achieve the time interval between failure of the primary source of power and the complete restoration as well as the time required for the actual intensity of a light measured to fall from 50% and recover to 50% during a power supply changeover, when the light is being operated at intensities of 25% or above of the services required as specified in MOS 9.1.8.1 – Table 9.1-1.

In line with this, all aerodrome operators are hereby directed to submit the latest result of the conduct of switch-over time limits at your respective aerodromes. The result of your test conducted shall be submitted to this Office not later than December 15, 2023, copy furnished to the Aerodrome and Air Navigation Safety Oversight Office (AANSOO) for evaluation. A corresponding Switch-Over Time Limits procedure is attached for your guidance.

For strict compliance.

CAPTAIN MAN Director General ANTONIO L. TAMAYO

OF THE PHILIPPINES
CERTIFIED PHOTOCOPY

(NOT VALID WITH ERASURE/ALTERATION)

11-3-2013

MADONNA L. OROCIO Records Officer II

Central Records and Archives Division

SWITCH OVERTIME LIMITS

Date:	
Airport:	
Purpose: To determine the compliance of	
Objective/s: The operational objective of the switch over plant facility and the aerodrome lighting intensities to ach of the primary source of power and the complete restoration actual intensity of a light measured to fall from 50% and to supply changeover, when the light is being operated at intensity services required as specified in MOS 9.1.8.2 – Table 9.1.	on as well as the time required for the the recover to 50% during a power tensities of 25% or above of the

			REMARK/S
BRAND			
RATING		KVA	
PHASE	SINGLE PHASE	3-PHASE	
OUTPUT VOLTAGE		V	
FREQUENCY		HZ	
RPM		RPM	
DEGS STATUS	OPERATIONAL	UNOPERATIONAL	

CHANGE-OVER TIME		
		REMARK/S
FROM COMMERCIAL POWER TO LOCAL POWER	SEC.	
FROM LOCAL POWER TO COMMERCIAL POWER	SEC.	

CHANGE OVER-TIME VERIFICATION PROCEDURE (POWER AND LIGHTING):

NOTE:

- 1. Make sure that the ATS and CNS duty supervisors were properly informed for the exercise.
- 2. Advise them that this exercise is for the ICVM scheduled on ______
- 3. Make sure that the commercial, local power supplies as well as aerodrome lighting are normal and operational.

I. TRANSFERRING LOAD FROM COMMERCIAL POWER TO LOCAL POWER AND VICE VERSA (POWER):

(Video for documentation; the Airfield Lighting System and Power Plant operation)

A. Switch Automatic Transfer Switch (ATS) to "AUTO" at the control cubicle.



B. Switch "OFF" the commercial power supply.



NOTE: Recording time will start at this point. The DEGS will automatically start and will start to supply power to the load within 15 sec. (Non – Precision & Aerodrome CAT. 1)

- C. Let the DEGS supplies the load for 2-3 minutes.
- D. Switch "ON" the commercial power supply. NOTE: The load will automatically transfer to commercial power. The DEGS will automatically turned "OFF" once the commercial power becomes stable.
- E. Testing concluded.

II. TESTING NO. 2 (LIGHTING/S IN THE AIRFIELD) IN THE EVENT OF A COMMERCIAL POWER INTERRUPTION.

A. Simultaneous testing will be conducted (for power supply and lighting intensities), during mains power failure or shutdown, assigned personnel task to obtain the time required for the actual intensities of a light measured in a given direction (fall from 50% and recover 50% during a power supply changeover) must be readily available in the airfield.

NOTE: Recording time will start at this point when the actual intensity of a light falls from 50% and recovers to 50% normal intensity during a power supply changeover.

B. Testing of switch overtime (for lights) concluded.

CHANGE-OVER TIME (LIGHTS)			
		REMARK/S	
RUNWAY DESIGNATION			
TYPES OF LIGHT/S			
ACTUAL LIGHT INTENSITY FROM 50% BELOW OF NORMAL INTENSITY TO 50% RECOVERY OF LIGHTS NORMAL INTENSITY	SEC		

NOTE:

Advise the ATC and CNS duty supervisors that the verification exercise is finished. Check for any operational abnormalities.



	REMARK/S
SEC	
SEC	
ALPT PO	WER PLANT IN-CHARGE
	SEC

AIRPORT MANAGER