

## Mission 46

## NDB TRACKING AND INTERCEPTION

STUDENT: <i>Dimas Dary Ramono</i>	DATE 1: <i>31/1/2022</i>	DATE 2: <i>2/2/2022</i>
INSTRUCTOR: <i>Capt. Ryo</i>	A/C REG: <i>PK-RoL</i>	A/C REG: <i>PK-RoL</i>
A/C TYPE: <i>C172</i>	DURATION: <i>00:40</i>	DURATION: <i>00:20</i>

EXERCISES		1	2	COMMENTS:
R-				
R-	Engine Start Procedures	S	S	<u>pre-flight 15 mins</u>
R-	Cockpit Instruments Check			
R-	VOR Equipment Test			
I-	NDB Equipment Test			
R-	Full Panel Instrument Flying			+ 20 mins required due to cancellation from lab.  NDB Tracking + Hold need to be introduced
I-	NDB Orientation	S		
I-	NDB Bearing Interception	S		
	- Intercepting QDM			
	- Intercepting QDR			
I-	NDB Tracking	S		
	- From the Station (QDR)			
	- To the Station (QDM)			
I-	NDB Homing	S		
I-	Effect of Wind while tracking NDB Bearings	S		
R-	Transitioning to Visual Flight			Complete
R-	Correct use of Checklist	S	S	

## COMPLETION STANDARDS:

- Student must demonstrate competency in operating the ADF equipment onboard the aircraft.
- Student must demonstrate competency in tracking and intercepting NDB bearings.
- Student must demonstrate awareness of the effect of wind while tracking and intercepting NDB bearings and its effect on the ADF needle while compensating for the wind.
- Student must maintain altitude within  $\pm 100\text{ft.}$ , heading within  $\pm 15^\circ$  and airspeed within  $\pm 10\text{ kts.}$

## SYLLABUS TIMES:

Total	Dual	FTD	X/C	IF	Ldgs	Night
81:00	1:00			0:50	1	
81:00	40			30	1	

Student Signature .....

Instructor Signature .....