



Mission 46

NDB TRACKING AND INTERCEPTION

STUDENT: <i>Sharon Kumar</i>	DATE 1: <i>22-08-2022</i>	DATE 2:
INSTRUCTOR: <i>Captain Ryo</i>	A/C REG: <i>PV-R05</i>	A/C REG:
A/C TYPE: <i>C172</i>	DURATION: <i>01:00</i>	DURATION:

EXERCISES		1	2	COMMENTS:
R-	Engine Start Procedures	<i>S</i>		
R-	Cockpit Instruments Check	<i> </i>		<i>Complete</i>
R-	VOR Equipment Test	<i> </i>		
I-	NDB Equipment Test	<i> </i>		
R-	Full Panel Instrument Flying	<i> </i>		
I-	NDB Orientation	<i> </i>		
I-	NDB Bearing Interception	<i> </i>		
	- Intercepting QDM	<i> </i>		
	- intercepting QDR	<i> </i>		
I-	NDB Tracking	<i> </i>		
	- From the Station (QDR)	<i> </i>		
	- To the Station (QDM)	<i> </i>		
I-	NDB Homing	<i> </i>		
I-	Effect of Wind while tracking NDB Bearings	<i> </i>		
R-	Transitioning to Visual Flight	<i> </i>		
R-	Correct use of Checklist	<i>S</i>		

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	
	1:00			0:50	1	

Student Signature

Instructor Signature