



## Mission 45

## VOR TRACKING AND INTERCEPTION

|                               |                        |           |
|-------------------------------|------------------------|-----------|
| STUDENT: <i>Smart</i>         | DATE 1: <i>22/8-22</i> | DATE 2:   |
| INSTRUCTOR: <i>Capt. Erik</i> | A/C REG: <i>PH-ROD</i> | A/C REG:  |
| A/C TYPE: <i>C172</i>         | DURATION: <i>1:00</i>  | DURATION: |

| EXERCISES                                    | 1         | 2 | COMMENTS:   |
|--|-----------|---|---|
| R- Engine Start Procedures                   | <i>S</i>  |   | <i>Orientation <del>Area</del> Area of, windu → Genar</i> |
| R- Cockpit Instruments Check                 | <i>S</i>  |   |   |
| I- VOR Equipment Test                        | <i>C</i>  |   |   |
| R- Full Panel Instrument Flying              | <i>SB</i> |   | <i>Review</i>   |
| I- VOR Orientation                           | <i>S</i>  |   |   |
| I- VOR Radial Interception                   | <i>CB</i> |   |   |
| I- VOR Radial Tracking                       |           |   | <i>Interception</i>                                       |
| - From the Station                           | <i>L</i>  |   |   |
| - To the Station                             | <i>S</i>  |   |   |
| I- VOR Homing                                | <i>S</i>  |   | <i>Tracking</i>   |
| I- Effect of Wind while tracking VOR Radials | <i>S</i>  |   |   |
| R- Transitioning to Visual Flight            | <i>S</i>  |   |   |
| R- Correct use of Checklist                  | <i>S</i>  |   | <i>Homing</i>   |
|  |           |   |   |
|  |           |   |   |
|  |           |   | <i>Notes</i>  |
|  |           |   |   |
|  |           |   |   |
|  |           |   | <i>- Altitude 4x</i>                                      |
|  |           |   |   |
|  |           |   |   |
|  |           |   | <i>- Interception procedure should be sequence</i>        |
|  |           |   |   |
|  |           |   |   |
|  |           |   | <i>- More call out</i>                                    |
|  |           |   |   |
|  |           |   |   |
|  |           |   | <i>Pre briefing 15 minutes</i>                            |
|  |           |   |   |
|  |           |   |   |
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|  |           |   |   |
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|  |           |   |   |

## COMPLETION STANDARDS:

- Student must demonstrate competency in operating the VOR equipment onboard the aircraft.
- Student must demonstrate proficiency in intercepting and tracking radials and be able to navigate the aircraft direct to the VOR Station from the current position.
- Student must demonstrate an understanding of the effect of wind while tracking VOR Radials and compensate accordingly.
- 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 |
|-------|-------------|-----|-----|-------------|----------|-------|
| 80:00 | 1:00        |     |     | 0:50        | 1        |       |
|       | <i>1:00</i> |     |     | <i>0:50</i> | <i>1</i> |       |

Student Signature ..... *SM*Instructor Signature ..... *[Signature]*