

# MilAir Sim Trainer

## Instrument Rating

### Familiarization



# MST

## Above the Clouds

How do we protect ourselves from bad aeronautical decision-making (ADM)? One way is to learn from others' mistakes. ADM begins well before the wheels leave the ground. In fact, the decision-making to scrub a flight should start the moment you roll out of bed, rubbing the sleep out of your eyes.

### SITUATION

Every once in a while, unforeseen circumstances or events can build up to require a concentration and ability to think clearly under pressure. The freezing fog/low cloud had not burned off after sunrise as forecast, with a ceiling of about 150 feet. Could you hold in the stack and wait for the fog/low cloud to clear – but what if it didn't? We would paint ourselves into a corner as the fuel was consumed.

### SKILL

Knowing your personal limits amid a myriad of potential factors is incredibly important. In the world of aviation, bad decisions can be more than a mere inconvenience or life lesson. In fact, they can be the last poor decision you ever make.

TAKE YOUR TIME AND PLAN YOUR FUTURE.  
MST IS WITH YOU ALL THE WAY.

## MST Familiarization

- What is Bravo in ATC?
- What is ETD in aviation?
- What is a familiarization flight?
- What is a Gen Fam course?
- What is ETD in aviation?

## MST Skills

- Experience
- Analytical thinking
- Communication
- Skills
- Problem solving
- Teamwork

## MST Contact

+713503030  
admin@mst.milair.lk

# How to Use MST Program

This syllabus is broken down into four stages. Each stage contains multiple lessons. Below is an explanation of the components in each lesson.

Prerequisites – Lists the tasks that help form part of the foundation for a new task and therefore should have been introduced and practiced prior to the current lesson.

Home Study – Subject areas that should be read and reviewed prior to the lesson.

Primary Tasks – Maneuvers and tasks that you will practice during the sim and/or flight lessons.

Objective – A short description of the main goal(s) for the lesson.

Description – An explanation of the objectives and tasks for the lesson.

Preflight Discussion – Concepts that you will discuss with your instructor to ensure a full understanding of the tasks and maneuvers.

Ground – The section will present scenarios for discussion with your instructor to help you gain a well-rounded understanding of what you are learning. Some parts of the ground lesson may also be assigned as home study.

Simulator – Guided instruction in the simulator to practice the lesson tasks to proficiency to prepare for the flight in the airplane.

Flight – A suggested format for the flight lesson and the tasks being performed.

Lesson Task and Completion Standards – A list of each new task broken down by components to ensure full understanding of what is being evaluated. Tasks that are being reviewed are also listed with paraphrased completion standards.

Grade Sheets – Fill out a Grade Sheet for each simulator or flight lesson.

**\*The order of the lessons in each stage are not necessary fixed in stone. You and your instructor may choose to perform elements of one lesson before another, as appropriate. Within a stage, lessons and individual tasks may be combined or presented in a different sequence than how it is laid out in this document. For example, Lesson 8, “DME Arcs”, might be introduced, combined, and incorporated into other flight lessons throughout Stage 2.\***