ABSTRACT

Title: Motor Learning Issues in the Elementary Flight Training.

Objectives: This thesis aims to find out whether there is sufficient portfolio of resources concerned on Motor Learning in flight training and also to describe theoretical fundamentals of the Motor Learning process within various phases of the elementary flight training so that findings obtained can be used for further research or practical utilization both by instructors (i.e. enabling to increase the effectiveness of the motor learning process) and by potential elementary flight training candidates who intend to get involved into the these particular issues. The thesis is based on the existing literature analysis and own experience from the instructor and examiner practice.

Methods: The method used is the existing literature analysis and comparison with own experience from the instructor and examiner practice.

Results: The analysis resulted in stating that only one scientific thesis exists describing the relationship between motor learning and elementary flight training. A satisfactory quantity of flight training methodology manuals is currently available that may be applied nowadays. A suitable contribution to the literature of this branch would be a thesis aimed on comparison of the motor learning effectiveness in a simulator and real airplane as a fundamental for the new methodology and training syllabus creation, reflecting currently available means and maintaining or increasing aviation safety while reducing cost at the same time.

Keywords: elementary flying training, flying training, pilot training, motor learning.