BS-AMET (Group 3) Project Report
Institute of Aviation Studies
University of Management and Technology

Study on Hangar Safety and Procedures

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DECLARATION STATEMENT

We certify that the work submitted is our own and that any material derived or quoted from the published or unpublished work of other persons has been duly acknowledged.

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ABSTRACT

Aircraft maintenance agency's hangar safety research is weak compared to aeronautical flight organizations. This reality is a systematic effort to reduce the risk factors posed by aircraft maintenance agencies, so this is an environmental problem that causes more real incidents of accidents and serious accidents. The purpose of this study is to develop an improvement strategy by assessing the safety measures followed by the hangar and analyzing its flaws. On the basis of the safety of the hangar, the reliability of the questionnaire is very high. The evaluation result of safety rating of the aircraft maintenance organization hangar is evaluated at the organization level.

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TABLE OF CONTENTS

LIST OF FIGURES

GLOSSARY

Proprietor	owner, possessor, holder
Captious	critical, fault-finding
Fatal	deadly, lethal, mortal
Dissertation	essay, thesis, treatise
Parameter	framework, variable, limit
Adequate	sufficient, enough
Malfunction	crash, breakdown, fault, failure
Abnormalities	malformation, deformity, irregularity
Intervals	intermission, interlude
Redundant	unnecessary
Inclination	tendency, propensity
Sheds	hut, lean-to, outhouse
Posture	position, pose, attitude
Extensive	large, large-scale, sizeable

Territories	area, region, enclave
Assortment	mixture, variety, array, mixed bag
Trademark	logo, emblem, sign,
Inhabitances	resident, occupant, occupier
Concealment	hiding, secretion
Prompting	encouragement
Consuming	destroy, demolish,
Pulverize	grind, crush, pound,
Shelters	protection, shield, cover
Concealment	hiding, secretion
Concealment	hiding, secretion
Substantial	sturdy, solid, stout, strong
Entanglements	involvement, complication
Befuddling	confused, muddled
Sweeping	broad, extensive, expansive
Misfortune	problem, difficulty, issue
Legitimate	rightful, lawful, genuine
Prerequisite	condition, essential, requirement
Embracing	hold, cuddle
Mandate	instruction, directive,
Prerequisites	precondition, condition, essential
Imperative	commanding, imperious, authoritative
Stockpiling	accumulate, hoard, cache
Funneled	channel, guide, feed
Maneuver	scheme, operation, device,
Indistinguishable	Identical
Schematic	oversample, formulaic
Prerequisite	precondition, condition, essential
Essential	basic, inherent, fundamental
Promptly	punctually
Rapidly	quickly, fast, swiftly

Diverse	various
Distinctive	distinguishing, characteristic,
Conventional	normal, standard, regular
Combustibles	flammable, incendiary
Stimulated	motivate, trigger, spark
Apparatuses	equipment, gear, rig
Evacuate	leave, vacate, abandon, desert
Vital	crucial, key, necessary
Douser	wet, splash, slosh
Distinctive	characteristic, typical, individual
Apparatuses	equipment, gear, rig,
Aggregated	total, sum total
Residue	rest, remnant,
Manifold	many, numerous, multiple,
Exposed	unprotected, open
Squeeze	compress, press, crush
Perpetual	never-ending, eternal, permanent,
Spill	overturn

1. Introduction

Decent maintenance of general aviation aircraft is necessary to confirm human safety and the structural unity of aircraft. Unlike commercialized airlines, which commonly have their own maintenance shops, their dealers and proprietor get their line of work of maintaining a kind of private and approved maintenance shops. GA maintenance shop offers a broad reach of services. Services include restore, installations, reviews, and even fitting and modification to captious aircraft structures and systems such as aircraft, power plants, propellers, Tools, avionics system and electrical components. Management mistakes, engineers and inspectors while the aircraft are in the line of upkeep can become trouble with fatal outcome. Maintenance-affiliated fault are connected with up to 16% of aircraft incidents and 17% of Class A Aviation timetable. While it is hopeless to completely get ride from human error in aviation maintenance, Rason states that "... we need to find more hard hitting ways of limiting their outcomes in unexpected conditions."