Nesky Aerospace. Business Continuity Plan



NESKY AEROSPACE

BUSINESS CONTINUITY PLAN.

12/04/2024

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**EXECUTIVE OVERVIEW**

At NESKY, we are a diverse team of designers, engineers and researchers. We manufacture, we produce, and we test. We work alongside our customers and partners to develop a robust business strategy that involves engineering, digital technology, research and development and supply chain management that helps us to dream, design and deliver solutions that redefine the future of the airline and airport operations as well as passenger experiences.

Progress defines the future and the future defines us. (Collinsaerospace.com).

This Business Continuity Plan is to maintain the company’s business functions in the event of a disruption and an emergency, and it applies to its subsidiaries, all employees and all locations.

This document provides a framework, guidance and concept of operations to support the company’s business to continue operating during & after a disruption, restoring the critical business functions to its normal operations as well as outlines the approach for supporting the company’s critical business functions, the order of succession, communication methods & notification procedures, defines the roles & responsibilities of the employees, provisions for alternate work locations, and the plan for maintaining and restoring access to vital records, all in the event of any of loss of access to parts of or the entire facility, loss of services due to an exodus of employees and loss of services due to equipment or systems failure.

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**Document Change Control**

This is expected to maintain the integrity, accuracy and reliability of our critical documents by managing any modifications, revisions or updates to the documents and ensure our compliance with regulations and standards.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Project Name** | **Requested By** | **Date of Request** | **Change/Review** | **Review No.** | **Approved By** | **Approval Date** |
| Manufacturing Employee System | Nick S. | 07/26/24 | Movement of planning from one unit to another. | 636-073/AL | Adrian W. | 10/01/24 |
| Patch Management | Fulton D. | 04/08/24 | Introduction of semi-automatic patching from the use of fully automatic tools. | 999-042/IT | Alan N. | 04/25/24 |
| Database Management | Luke G. | 02/29/24 | The use of parameterized queries and input validation to prevent SQL injections. | 999-024/IT | Josh P. | 04/01/24 |
| Resource Management | Aricelli M. | 11/21/23 | Splitting of the HR department into two units of Employee Relations and Career Advice & Promotions. | 724-113/HR | Haley G. | 01/31/24 |

(ComplianceQuest, 2024.)

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**INTRODUCTION**

**Overview**

Continuity Planning ensures the company’s business can continue or immediately resume the functions that support the mission, comply with legal requirements, and support the safety of lives & assets, in every situation. This includes natural, technological, and man-made incidents, as well as incidents that result in loss of access to parts of or an entire facility or loss of service due to equipment or systems failure. The benefit of continuity planning includes the ability to predict response actions, improve business performance of its critical business functions, and ensure prompt recovery. (Fani, S., 2019.)

**Plan Scope & Applicability**

The scope of this plan covers Nesky Aerospace. The plan is applicable after the verification of the safety of everyone present within the facility at the time of any incident that will make the facility inaccessible is ascertained. It can be active at any time before, during, or after business hours, with or without warning.

**Plan Objectives**

The Nesky Aerospace Business Continuity Plan objective is to expedite the resumption of critical operations and business functions in a timely & organized manner with the assurance of the welfare and safety of everyone and the protection & accessibility of vital records in all situations.

**Plan Assumptions**

The assumptions below were used in creating this Business Continuity Plan:

* There has been an occurrence that affected normal operations.
* The facility has experienced limited or no access.
* Inaccessibility to documents and equipment within the facility.
* Availability of employees to continue operations.

(FEMA Template, n.d.)

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**RISK ASSESSMENT**

This is for the identification and evaluation of the risks associated with our operations, practices and processes. It will allow us to determine the likelihood of the risks occurring and the impact it will have on our business if it happens.

The risks identified over the cause of doing business are:

1. Project Management risks – (a) Poor project plan

(b) Employee unavailability

(c) Inaccurate estimates

(d) Poor communication

1. Engineering risks – (a) Changes in regulations and standards

(b) Accidents in manufacturing processes

(c) Defective parts, poor quality parts from vendors

3. Political & Economic risks – (a) Volatility in politics

(b) Inflation rate

4. Supply chain risks – (a) Poor quality of products

(b) Delayed delivery

5. Customer satisfaction

6. Cyber risks – threats, vulnerabilities, attacks

**RISK MATRIX**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **LOW** | **MEDIUM** | **HIGH** |
| **Unlikely** |  |  | 3 |
| **Possible** | 1, 2 | 4 |  |
| **Likely** | 6 |  | 5 |

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1. **Project Management Risks**

The likelihood of this occurring is once every six months because we review an existing project or take on new projects in six months.

Our assets are in the range of $800000 to $1300000, therefore the approximate asset value is $1000000.

The exposure factor is low because of the efforts we put into managing the risks, which makes the impact minimal as well. The estimate for this is about 10 percent.

Therefore: -

The annualized rate of occurrence of project management risks is – 2/1 = 2.

The Single Loss Expectancy = Asset Value (AV) \* the Exposure Factor (EF)

= 1000000 \* 0.1 = $100000. There will be about a hundred thousand dollars loss experienced if there is any occurrence of a poor project plan, employee unavailability, inaccurate estimates or poor communication.

The Annualized Loss Expectancy = SLE \* ARO

= $100000 \* 2 = $200000.

1. **Engineering Risks**

The likelihood of engineering risks is once every year. ARO = 1/1 = 1.

The exposure factor is 40% hence Single Loss Expectancy = 1000000 \* 40%. = $400000.

ALE = SLE \* ARO = 400000 \* 1 = $400000.

1. **Political & Economic Risks.**

The likelihood of occurrence is every four years. ARO = ¼ = 0.25.

Its exposure is high since we can absolutely do nothing about it. = 80%

SLE = 1000000 \* 0.8 = $800000.

ALE = 800000 \* 0.25 = $200000

1. **Supply Chain Risks.**

With the implementation of lean manufacturing and Just In Time, product defects are very low with the probability of escape to the market even lower, hence the likelihood of a risk has been pecked to about one occurrence every year and the exposure is about five percent. Therefore ARO = 1/1 = 1 and SLE = 1000000 \* 0.05 = $50000.

ALE = ARO \* SLE = 1 \* 50000 = $50000.

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1. **Customer Satisfaction.**

This is a critical factor in our risk assessment because of its likelihood of happening and the impact it will have on our reputation. The occurrence has been found to be like one every month. Therefore, ARO is twelve. The exposure factor is 85% which makes the SLE to be

1000000 \* 0.85 = $850000.

ALE = 850000 \* 12 = $10200000.

1. **Cyber Risks.**

The likelihood of occurrence in the organization is once every three years, with the impact very high if it happens and an exposure factor of 50%.

Therefore ARO = 1/3 = 0.33

SLE = 1000000 \* 0.5 = $500000.

ALE = 500000 \* 0.33 = $165000.

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**CRITICAL BUSINESS FUNCTION**

**Overview**

In the aviation industry, airlines and airports work to provide a seamless travel experience for the passenger, intertwining their operations to be optimally efficient, cost effective, safe and customer friendly. (Collinsaerospace.com).

At Nesky Aerospace, we support critical aviation needs, we understand the complex ecosystem of airlines and airports and offer products and services to optimize airport operations for passengers, airports and airlines alike.

**Function**

With AirPlan , we transform the use of data into powerful insights that improve airline and airport operations as well as passenger experiences. Airports can manage a variety of resources from a single application on any device on their network.

**Business Process**

As modern travel evolves, passengers expect a faster, easier and more seamless experience. Our all-in-one Airport Operational Database (AODB) and Resource Management System (RMS) offers integrated and intelligent solutions for passenger processing and facilitation, airport operations and baggage management. Our self-service solutions help create a seamless travel experience for a high volume of passengers.

**Lead Point of Contact.** Digital Technology director.

**Vendors and Contractors.** Rockwell and United Technologies Company

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**COMPANY ORGANIZATIONAL CHART**



Chief Intelligence Officer

Tomi Talabi

Chief Operating Officer

Chief Financial Officer

Human Resources Director

Enterprise Operations Director

Financial Manager

HR Manager

Engineering Director

Digital Technology Director

Maintenance Manager

Quality Manager

Information Technology Manager

Supply Chain Manager

Materials Manager

Information Security Manager

Production Manager

Facility Manager

Security Administrator

Security Auditor

DevSecOps

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