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Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts

Origination Date: XXXX

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Date:	Latest Revision Date
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Abstract:

This document describes the counterfeit control plan for electrical, electronic and electromechanical parts according to SAE AS6081.

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REVISION LOG

Issue	Date	Comment	Author
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DOCUMENT CHANGE RECORD

Issue	Item	Reason for Change

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-------------------------	--	----------------

Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

TABLE OF CONTENTS

1.0	Policy	4
2.0	Theory	4
3.0	Definitions.....	4
4.0	Applicable Documents.....	4
5.0	Requirements	5
5.1	Customer Related Contract Review, Agreement and Execution	5
5.2	Supplier Approval and Source Selection.....	6
5.3	Purchase Order Requirements	6
5.4	Supply Chain Traceability.....	7
5.5	Preservation of Product	8
5.6	Verification of Purchased Product.....	8
5.6.1	Lot Sampling Plan.....	10
5.7	Control of Nonconforming Product.....	11
5.8	Material Control	11
5.9	Returned Product.....	12
5.10	Reporting.....	13
5.11	Personnel Training and Certification.....	13
5.12	Internal Audit	14
5.13	Risk Mitigation.....	15
	Appendix 1: AS6081 Counterfeit Control Plan Process Map	16

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-------------------------	--	----------------

Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

1.0 Policy

The Company is committed to preventing the purchase, acceptance and distribution of fraudulent/counterfeit electrical, electronic and electromechanical parts. See Appendix 1 for process map.

2.0 Theory

The plan is intended to:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

3.0 Definitions

- Counterfeit Material - [REDACTED]
- Counterfeit Part - [REDACTED]
- Fraudulent Material - [REDACTED]
- Suspect Material - [REDACTED]

4.0 Applicable Documents

The following documents of the latest issue on the date of contract form a part of this plan to the extent specified herein.

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Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

4.1 ANSI/ESD S20.20, Protection of Electrical and Electronic Parts, Assemblies and Equipment

4.2 EIA/IPC/JEDEC/J-STD-002, Solderability Tests for Component Leads, Terminations, Lugs, Terminals and Wires

4.3 EIA/IPC/JEDEC/J-STD-033, Handling, Packing, Shipping and Use of Moisture/Reflow Sensitive Surface Mount Devices

4.4 FAA Form 8120-11, Suspected Unapproved Parts Report

4.5 ISO/IEC 17025, General Requirements for the Competence of Testing and Calibration Laboratories

4.6 NAS-410, Certification and Qualification of Nondestructive Test Personnel



[Redacted]



[Redacted]



[Redacted]

4.10 SAE/ARP6178, Fraudulent/Counterfeit Electronic Parts; Tools for Risk Assessment of Distributors

4.11 SAE/AS6081, Fraudulent/Counterfeit Electronics Part: Avoidance Detection, Mitigation, and Disposition Distributors

5.0 Requirements

5.1 Customer Related Contract Review, Agreement and Execution

- The Company discloses to its Customers in writing at the time of each individual quotation the source of supply and their subsidiaries or affiliates by company name and location if the source [Redacted]

[Redacted] will negotiate

an appropriate nondisclosure agreement with the Customer.

The Company:

- Issues a revised [Redacted] whenever [Redacted]
- Notifies Customers [Redacted]

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Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

- Provides a product [REDACTED] and [REDACTED] will replace [REDACTED]

5.2 Supplier Approval and Source Selection

When the Company quotes parts to the Customer as having been sourced from an Authorized Distributor, the Company requires [REDACTED]

[REDACTED] objective evidence that may include [REDACTED] or other form of evidence acceptable to the Customer.

The Company:

- Assesses potential sources of supply to determine [REDACTED]
- Maintains a register of [REDACTED] for product liability
- Precludes purchasing [REDACTED] of such parts
- Procures only [REDACTED] with Supply Chain Traceability when the parts are available from [REDACTED]

5.3 Purchase Order Requirements

The Company communicates and documents contract provisions from its Customer that establishes [REDACTED]

[REDACTED] requirements to manage risk. Purchase orders also define [REDACTED] supply or traceability [REDACTED]

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-------------------------	--	----------------

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CAGE: xxxxx		Rev: Orig

- Traceability applies to [REDACTED]
- For each shipment, the Company provides [REDACTED]

5.5 Preservation of Product

The Company preserves the product during internal processing and delivery to the intended destination to maintain [REDACTED]

Preservation of product includes provisions for:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

ESD sensitive devices are handled according to *ANSI/ESD S20.20*. The Company verifies that electrostatic discharge control is [REDACTED]

Items are considered nonconforming if [REDACTED]

[REDACTED] part marking relevant to [REDACTED]

5.6 Verification of Purchased Product

Verification tasks may be discontinued [REDACTED] unless otherwise noted in the contractual agreement. The OCM may be contacted to [REDACTED]

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Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

Parts risk mitigation by the Customer may include

[REDACTED]

Certificates of conformance and other documentation are examined for authenticity and applicability to the delivered material, including:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Parts received are subjected to the following processes:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

The Company verifies the authenticity of a purchased product according to:

- [REDACTED]

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Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

- [REDACTED]
- [REDACTED]

5.6.1 Lot Sampling Plan

A standard lot is [REDACTED]
[REDACTED] received in a given shipment (procurement lot) at [REDACTED]

A future shipment of devices of the same date code is considered [REDACTED]
[REDACTED] followed by a
suspect shipment of [REDACTED]
[REDACTED]

A lot is also a quantity of [REDACTED]
[REDACTED] while a lot
from stores may [REDACTED]

If parts are received in tape and reel and/or multiple packages, parts are [REDACTED]
[REDACTED]

Test samples are selected at random according to sampling plan provided in
AS6081; however, for lots with mixed date codes, the items are [REDACTED]
[REDACTED] from the total
population. [REDACTED]
[REDACTED]

In the event the Company subcontracts inspections and tests to an independent
third party test laboratory, the Company:

- [REDACTED]
- [REDACTED]

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Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig



5.7 Control of Nonconforming Product

The Company ensures products that do not conform to requirements are [REDACTED]

NOTE: The term “nonconforming product” includes [REDACTED]

The Company acts upon any reported information of nonconforming product with respect to [REDACTED]

[REDACTED] information according to Reporting requirements specified herein. Parties requiring notification of nonconforming product include [REDACTED]

Actions include [REDACTED]

When nonconforming product is corrected (e.g., [REDACTED]), it is subject to [REDACTED] Material Control specified herein.

5.8 Material Control

The Company:

- Controls nonconforming parts to [REDACTED]
- Controls suspect or confirmed fraudulent/counterfeit parts to [REDACTED]

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-------------------------	--	----------------

Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

- Does not

The Company controls suspect materials according to the following policies:

- The Company and Supplier establish

- Notify the Supplier of

the following information:

under which material was supplied

-Quantity to be returned

-
-
- Suspect counterfeit parts are not

The Company mutilates scrap parts and materials to prevent their use. Mutilation is not limited to

5.9 Returned Product

The following applies to product not found to be

Parts are returned with:

-
-
-
-
-

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-------------------------	---	----------------

Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

- [REDACTED]

Returns are not delivered [REDACTED]

[REDACTED] include copies of the original paperwork.

5.10 Reporting

All occurrences of suspect, fraudulent and confirmed counterfeit parts are reported within [REDACTED]

The Company supplies a summary report of all inspection and test results for each lot in advance of [REDACTED]

Summary Report for Subcontracted Inspection and Test Results

The Company compiles all subcontracted inspection and test reports/data into [REDACTED] structured as follows:

- [REDACTED]
- [REDACTED]

5.11 Personnel Training and Certification

Relevant personnel are trained (as appropriate to their function) in the avoidance, detection, mitigation and disposal of suspect, fraudulent and counterfeit parts. Additionally, all personnel involved with the direct handling of electronic parts are [REDACTED]

Employees are trained to examine parts for:

- [REDACTED]

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-------------------------	--	----------------

Your Logo	Your Company Name	Counterfeit Control Plan for Electrical, Electronic and Electromechanical Parts
CAGE: xxxxx		Rev: Orig

The Responsible Authority for the area being audited ensures [REDACTED]
 [REDACTED]
 [REDACTED] Follow-up activities
 include [REDACTED]

5.13 Risk Mitigation

The Company performs risk assessment of Suppliers according to *SAE ARP6178*
 to assess their capability to [REDACTED]
 [REDACTED]

Supplier assessment includes:

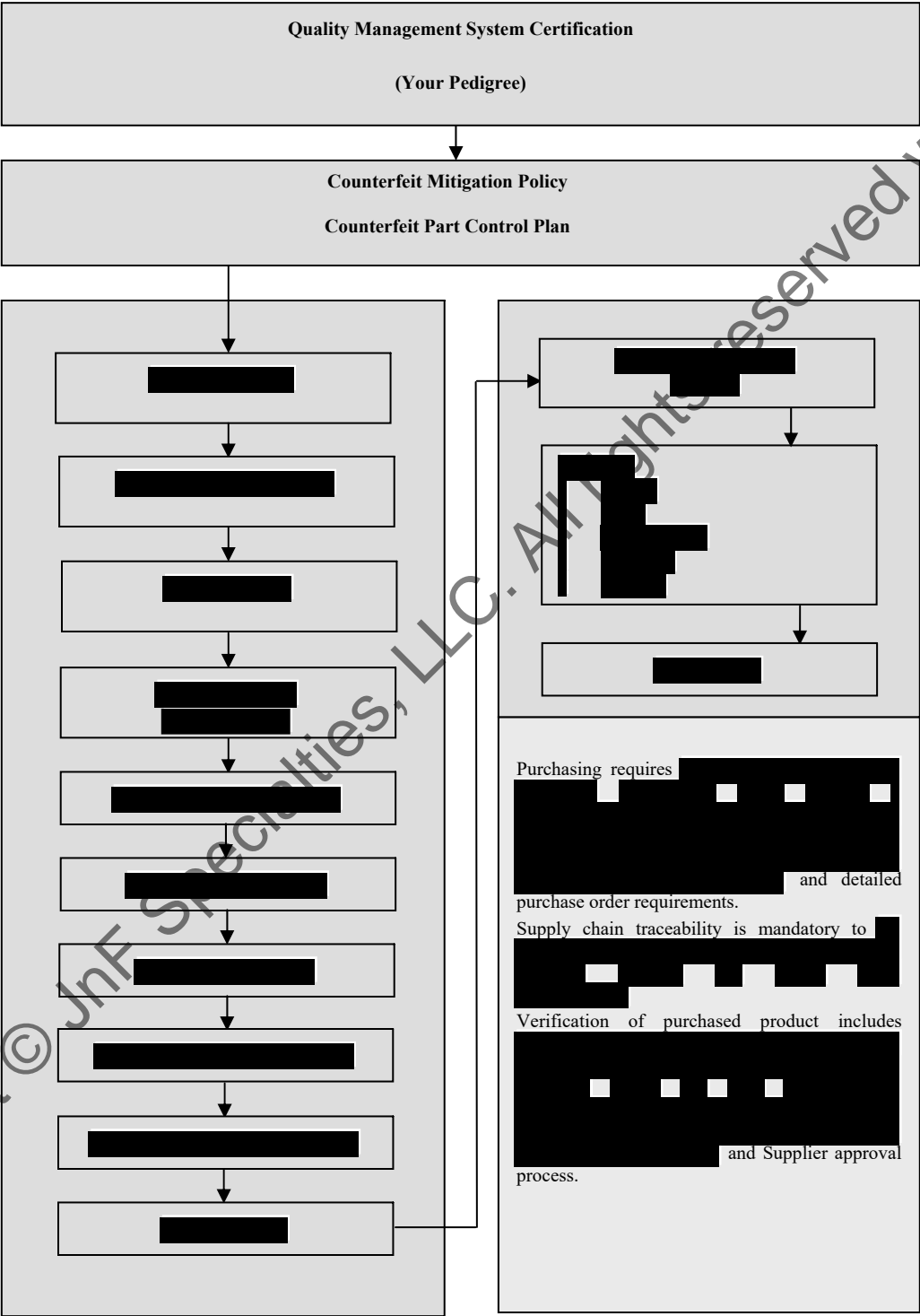
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

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		Rev: Orig

Appendix 1: AS6081 Counterfeit Control Plan Process Map



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