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Supplier Instructions for Material Over-Check Program

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Revision History

Rev	Date	Preparer	Control Number	Description of Change
-	05/08/2017	L. Canevari	DCR0001503	New Document
A	09/19/2023	J. Meza	DCR0002369	Reformatted document. Added references, acronyms, and definitions. Added or other customer requirements to Purpose Added 3.0 RESPONSIBILTIES 3.1 Suppliers: When imposed by VACCO PO using Appendix 9 listed in VI-QFD-001, the Supplier shall adhere to the requirements of this document.
B	12/18/2023	S Gonzalez	DCR0002439	Updated ¶5.1.2 "if supplied each year"

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1.0 PURPOSE

This document provides directions to Suppliers for the requirements for an over-check program for material conformation for Level 1, MCS-6 materials or other customer requirements.

2.0 SCOPE

The requirements in this document applies to each Level 1 and/or MCS-6 VACCO Supplier that supplies VACCO Industries with material or machined metal parts. Purchase Orders that are identified as Level 1 or MCS-6 shall have an overcheck program that, at a minimum, meets the requirements of this procedure.

3.0 RESPONSIBILITIES

3.1 Document Owner: QC Manager

3.2 Suppliers: When imposed by VACCO PO using Appendix 9 listed in VI-QFD-001, the Supplier shall adhere to the requirements of this document.]

4.0 DEFINITIONS

Term or Acronym	Definition
Calendar Year	January 1 st thru December 31 st
Level 1	US Military designation for systems and components for which the Navy requires a high degree of assurance that the chemical composition and mechanical properties of the installed materials meet the specified requirements.
MCS-6	Standard for Control of Material
NiCrFe	Inconel
NiCrMoCb	Inconel
NiCu	Monel
NiCuAl	K-Monel
PO	Purchase Order
QC	Quality Control

5.0 REQUIREMENTS

5.1 Supplier Over-Check Program

5.1.1 The Supplier Over-Check Program shall consist of the following:

- A method of determining which materials shall be over-checked
- Material Verification by an Independent Lab
- Review Process
- Approval Documentation
- Records Storage and Retrieval

5.1.2 A material confirmation shall be performed at least once per calendar year (if supplied each year) per generic metallurgical group of material for Level 1 and/or MCS-6 material. Preferably (but is not required), the Supplier shall sample each of their sub-tier sources during the sampling of each of the generic groups identified below:

- 300 Series Stainless Steel
- 400 Series or 17-7PH or 17-4PH Stainless Steel
- Monel (NiCu)
- K-Monel (NiCuAl)

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- Copper Nickel (CuNi)
- Inconel (NiCrFe), (NiCrMoCb)
- Nickel Aluminum Bronze
- Bronze
- Brass
- Copper
- Bi-Metallic Weld
- Cobalt Based Alloy
- Silver Brazing Alloy
- Titanium

5.1.3 Non-metallic materials, research/development materials, and aluminum shall be by special request based on PO requirements.

5.1.4 The Supplier shall have a process for tracking material purchased as Level 1 and MCS-6 material. This process should include a method of identifying which material purchase orders were over-checked.

5.1.5 Material Verification shall be performed by an Independent Lab. The Independent Lab shall be provided a copy of the original Mill Report to review and confirm that the tested material meets the chemical and physical characteristics of the Mill Report.

5.1.6 A confirmation report that occurs after the material is worked (e.g., Heat Treated or Cold Worked) is not considered part of the Over-Check Program but is required to confirm that material processing has met specification requirements.

5.2 Review Lab Report

5.2.1 The results from the report received from the Independent Lab shall be reviewed against the applicable material specification and the original certification from the mill, verifying that all required results are identified and are acceptable.

5.2.2 The Supplier shall have a documented method of acceptance identifying the personnel that has reviewed the results and the date of the completion of the review.

5.3 Notification of Results

5.2.3 When a discrepancy of significant proportions or the results indicate the material is outside the limits of the material specification, the Supplier shall notify VACCO immediately to determine the next steps that should be taken.

6.0 REFERENCES

- MCS-6 – Standard for Control of Material
- VI-QFD-001 – VACCO Quality Flow-Down Instructions