



An ESCO Technologies Company

ISO 9001
& AS 9100
Certified

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Approved By: Manager, Supplier Quality	

SUPPLIER INSTRUCTIONS FOR MATERIAL OVER-CHECK PROGRAM

1. Purpose/Scope

The purpose of this instruction is to provide directions to suppliers for the requirements for an over-check program for material confirmation for Level 1 and or MCS-6 materials. Each Level 1 and/or MCS-6 VACCO supplier that supplies VACCO Industries with material or machined metal parts for 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.

2. Instructions

The supplier over-check program shall consist of the following:

- A method of determining which materials shall be overchecked,
- Material verification by an independent lab,
- Review process,
- Approval documentation,
- Records storage and retrieval.

A material confirmation shall be performed at least once per calendar 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:

- (1) 300 Series Stainless Steel
- (2) 400 Series or 17-7PH or 17-4PH Stainless Steel
- (3) Monel (NiCu)
- (4) K-Monel (NiCuAl)
- (5) Copper Nickel (CuNi)
- (6) Inconel (NiCrFe), (NiCrMoCb)
- (7) Nickel Aluminum Bronze
- (8) Bronze
- (9) Brass
- (10) Copper
- (11) Bi-Metallic Weld
- (12) Cobalt Based Alloy
- (13) Silver Brazing Alloy
- (14) Titanium

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

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.

Material verification shall be performed by an independent lab. The 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. A confirmation report that occurs after the material is worked: such as 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.

REVIEW LAB REPORT



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The results from the report received from the Test Laboratory 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. 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.

NOTIFICATION OF RESULTS

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