FIRST ARTICLE / LAST ARTICLE INSPECTION

1.0 PURPOSE

1.1 To establish a procedure for performing First Article Inspection.

2.0 SCOPE

2.1 This procedure applies to all programs when the customer contract requires First Article Inspection. This procedure is designed to be in alignment with SAE AS 9102.

3.0 APPLICABLE DOCUMENTS

EQS Policy PR-5	Eaton Internal Supplier PPAP/FAI
SOP 52-10-005.0-00-001	Sample Casting Approval
SOP 52-10-007.0-00-003	First Article Inspection In-house Manufactured Parts
SOP 52-10-007.0-00-004	First Article Inspection Requirements for Purchased Parts (Excluding Forgings and Castings.)
Form FC 9438-1	AS9102 Aerospace First Article Inspection Requirement
Form FC 9438-2	AS9102 Aerospace First Article Inspection Requirement
Form FC 9438-3	AS9102 Aerospace First Article Inspection Requirement

4.0 DEFINITIONS

FIRST ARTICLE INSPECTION

4.1 Documented inspection of completed assembly, subassembly, or component characteristics on one item selected from the first production lot to verify compliance to customer and Eaton specifications.

ϕ 4.2 LAST ARTICLE INSPECTION

Evaluation of an incumbent manufacturer's part (could be Eaton or a supplier) to facilitate manufacture at a different location or supplier. This can be partial or complete dimensional inspection and/or any other destructive or nondestructive evaluation.

5.0 CASTINGS AND FORGINGS

5.1 The procedure and requirements for First Article Inspection of casting fixtures, gages and pattern equipment, approval of sample castings and casting process, Eaton risk sample definition and casting production release is documented in SOP 52-10-005.0-00-001.

6.0 IN-HOUSE MANUFACTURED PARTS

6.1 A procedure and requirements for performance of First Article Inspection of completed pump assemblies, subassemblies, and components can be found in SOP 52-10-007.0-00-003.

7.0 PURCHASED PARTS

7.1 SOP 52-10-007.0-00-004 defines First Article Inspection procedures and requirements for Purchased Parts, Excluding Castings and Forgings.

ϕ 8.0 LAST ARTICLE INSPECTION

ϕ 8.1 The requirements for Last Article Inspection shall be as defined in the appropriate First Article Inspection or Sample Casting Approval SOP.