



SECTION 11: PART EVALUATION PLAN

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PURPOSE: To explain the process for creating and submitting a Part Evaluation Plan

SCOPE: Applies to all TMI suppliers

EXPLANATION: The Part Evaluation Plan (TMI Appendix 11A) specifies the supplier’s plan for testing and verification of all parts in order to meet all drawing and inspection standard requirements prior to mass production

- RELATED DOCUMENT(S):**
QUALITY ASSURANCE PROJECT PLAN (QAPP) (TMI SQAM Section 25)
QUALITY ASSURANCE SCHEDULE (QAS) (TMI SQAM Section 4)
INSPECTION STANDARD (TMI SQAM Section 7)

REQUIRED DOCUMENT(S):
PART EVALUATION PLAN - TMI APPENDIX 11A

- RESPONSIBILITIES:**
- 1) The supplier will complete a Part Evaluation Plan (TMI Appendix 11A) per QAPP specified timing and as detailed per QAS using the following guidelines:
 - A) Complete the header portion by completing supplier name, supplier location, part number, model, and part name. The plan should be addressed to the specific user TMI plant.
 - B) Complete the body of the form as follows:
 - a) TEST ITEMS: Identify the items to be validated on the part prior to shipping including the following where applicable:
 - aa) Raw material certification
 - bb) Dimension
 - cc) Appearance
 - dd) Performance (Address all reliability / durability items unless negotiated with TMI plant QC)
 - ee) Color and finish quality
 - ff) Weight
 - gg) Other as defined by drawing and inspection standard
 - b) SPECIFICATION: Define all specifications as required by the most recent level drawing or inspection standard
 - c) TEST LOCATION: Indicate actual location as in-house, parent company, outside agency or lab (If using an outside source, the source name must be given)



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d) **SAMPLE SIZE / QUANTITY PRODUCED:** Number of parts sampled for each item out of the total number produced. Minimum requirements are shown in the matrix below.

NO.	CATEGORY	MINIMUM QUANTITY*
1.	Inspection Standard [Pc] items	See Section 7
2.	Appearance (including color and grain) Visual check	100%
3.	Dimension	N = 3
4.	Performance	N = 1**
5.	Welding	N = 3
6.	Other (weight, etc.)	N = 1

* Minimum quantity shown is per machine (e.g. each die or mold cavity, welder) or process (e.g. assembly line) and per each sample submission unless otherwise specified

** Or unless otherwise specified by specific test requirements

- e) **SCHEDULE:** Indicate detailed timing if possible for each test
- f) **RESULT JUDGMENT:** Show the results for all evaluations done during prototype and production trial stages using the following criteria:

- O** = Meets requirements
- △** = Meets requirements, but needs improvement / **Part has been reworked**
- X** = Does not meet requirement

- 2) The supplier should submit the completed Part Evaluation Plan to TMI plant QC per **TMI QAPP specified timing** and as indicated on the Quality Assurance Schedule.
- 3) The Part Evaluation Plan is to be submitted prior to the initial submission of sample parts and must be revised at each following sample stage. An advanced copy must be faxed to TMI plant QC prior to each sample shipment, and a copy should be sent with the actual shipment of parts.
- 4) In the event of Inspection Standard Changes, the Part Evaluation Plan must be updated to reflect these changes.



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REVISION	REVISION DATE	SECTION	CHANGE DESCRIPTION
0	07/09/01	ALL	Initial release
1	05/20/03	ALL	Added revision record
2	08/09/04	RESP: 1 & 2	Added QAPP / Revised judgment criteria