

	SECTION 24: MATERIAL CERTIFICATION	Ref: TM-QA-DO-06-329-E
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PURPOSE: To provide a detailed method of confirming the part raw material meets the requirements specified on part drawings, inspection standards, and appropriate technical standards

SCOPE: Applies to all TMI suppliers of raw goods for prototype, preproduction, and mass production stages

REQUIRED DOCUMENT(S):

TMI RAW MATERIAL CERTIFICATION STATEMENT - TMI APPENDIX 24A

RESPONSIBILITY:

- 1) The supplier must confirm and certify that all raw materials produced by them or used in their assembly meets the applicable Toyota Engineering Standard or other specified standard as shown on the drawing.
- 2) Evidence of conformance must be included in all submission packages for all phase 1 and 2 preproduction stages and per the frequency stated in the "Inspection Standard" for mass production stage.
- 3) **The supplier must identify both the required raw material name / type per drawing and the actual raw material used.**
- 4) **Substitution of material or standards (equivalency) will only be accepted if in full compliance to drawing requirements.**
- 5) **Evidence must include, in the case of equivalency testing being done, a cross reference between the original standard noted on the drawing and any actual standard used so that TMI QC can readily determine conformance.**
- 6) **Evidence must be recorded in the same unit of measurement as required per the original standard identified per drawing.**
- 7) Certifications must be submitted to TMI Development QC during prototype stage and TMI Plant QC during preproduction and mass production stages in order to obtain Provisional Approval.

NOTE: Material recertification is required with the shipment of parts to TMI if the material being used changes at any time during prototype or preproduction stages. Recertification during mass production stages will be required as support of ECI / PCR activity.

NOTE: TMI'S expectation is that the supplier will practice DUE DILIGENCE when certifying and approving raw materials based upon their internal product and process knowledge and history. The supplier should recognize those items omitted from drawing that highly impact product safety, fit, or function and automatically pursue material testing and certification. Omission or oversight of material criticality by TMI does not relieve the supplier of their responsibilities.

- 8) The supplier must complete the TMI RAW MATERIAL CERTIFICATION STATEMENT (TMI Appendix 24A) (or equivalent format approved by TMI QC) for each raw material part number shipped to TMI. At minimum, the certification statement must include the following information and data:
 - A) Supplier's general information
 - B) **Material name / type for both requirement per drawing and actual**
 - C) Lot number for actual raw material tested
 - D) **The required standard as identified per drawing.**
 - E) The **actual** standard used for evaluation (**if different from, but equivalent, to the part drawing**)



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- F) The acceptance criteria per **drawing required** standard for each material characteristic such as elongation, tensile strength, circular modulus, etc.
 - G) The actual test results (measured condition) of each material characteristic per **actual** test standard **recorded in the same unit of measure as required per original drawing required standard**
 - H) A pass / fail judgment as to each material characteristic's meeting acceptance criteria per test standard
 - I) Deviation number (if failing product is being shipped to TMI)
 - J) Corrective action (if deviation is granted)
 - K) Special comments if needed or desired
 - L) The date the actual test was completed (If multi-day testing is done, list beginning and ending dates.)
 - M) Laboratory name and location
 - N) The signature of the party responsible for testing
 - O) The signature of supplier's representative responsible for testing and shipping approval
- 3) The supplier should attach a copy of the lab accreditation document to the initial submission of raw material certifications. If the lab being used changes at any time during the life of the program, recertification will be required.

REVISION	REVISION DATE	SECTION	UPDATE DESCRIPTION
0	8/09/04	ALL	Initial release
1	12/15/04	RESP: 1	Revised to state submission at all phase 1 and 2 sample submissions
2	6/07/05	ALL	Addition of requirements for evidence of standards when an equivalent material or test standard is used vs. drawing requirement