

**SUPPLIER QUALITY ASSURANCE MANUAL
FOR PARTS AND RAW MATERIALS**

***** INTRODUCTION AND GENERAL INFORMATION *****

SECTION 1 - REVISION RECORD
DENSO Management Approval of
Supplier Quality Assurance Manual

**SQAM Sections are approved and current per:
Revision Record Issue: 1 Revision 03**

Date: 10/01/05

DMTN President:

Mack Hattori

DMTN Purchasing:

Mike Brackett

DMAT President:

Makoto (Mark) Hori

DMAT Purchasing:

John Williams

| | | | |
|----------------|--------------------|----------------------------|---------------------|
| ISSUE 1 | REVISION 03 | DENSO MANUFACTURING | SECTION 1 |
| October 2005 | | | PAGE 1 OF 11 |

**SUPPLIER QUALITY ASSURANCE MANUAL
FOR PARTS AND RAW MATERIALS**

***** INTRODUCTION AND GENERAL INFORMATION *****

SECTION 1 - REVISION RECORD
A. Current Revision Level of SQAM Sections

Manual Rev. 01

| SECT. | TITLE | EFFECTIVE DATE | REVISION LEVEL |
|--|---|----------------|----------------|
| I. INTRODUCTION AND GENERAL INFORMATION | | | |
| 1 | Revision Log | Sept 1999 | 01 |
| 2 | Table of Contents | Sept 1999 | 01 |
| 3 | Introduction to the DENSO Supplier Quality Assurance Manual (SQAM) | Sept 1999 | 01 |
| II. QUALITY ASSURANCE FOR TRIAL PRODUCTION | | | |
| 11 | Notification of Quality Assurance Requirements (NQAR) | Sept 1999 | 01 |
| 20 | Initial Sample Inspection Report (ISIR) | Sept 1999 | 01 |
| 21 | Packaging Information and Traceability | Sept 1999 | 01 |
| 23 | Mass Production Readiness Visit | Sept 1999 | 01 |
| 24 | Final Approval | Sept 1999 | 01 |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | | | |
| 38 | Deviation Request/ Reply | Sept 1999 | 01 |
| 40 | Process Change Request (PCR), Reply/Design Change Request (DCR)/ Engineering Change Instruction (ECI) | Sept 1999 | 01 |
| 44 | Value Analysis/ Value Engineering (VA/ VE) | Sept 1999 | 01 |
| IV. BLANK FORMS | | | |
| IV. | Blank Forms | Sept 1999 | 00 |
| See: B. Current Revision Levels of DENSO SQAM Forms, C. Current Revision Levels to DENSO SQAM Example Forms | | | |

Manual Rev. 02

| SECT. | TITLE | EFFECTIVE DATE | REVISION LEVEL |
|--|--|----------------|----------------|
| I. INTRODUCTION AND GENERAL INFORMATION | | | |
| 1 | Revision Log | May 2000 | 02 |
| 3 | Introduction to the DENSO Supplier Quality Assurance Manual (SQAM) | May 2000 | 02 |
| 4 | DENSO Site Safety and Security Guidelines for Visiting Suppliers | May 2000 | 01 |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | | | |
| 40 | Process Change Request (PCR), Reply/ Design Change Request (DCR)/ Engineering Change Instruction (ECI) | May 2000 | 02 |

Manual Rev. 03

| SECT. | TITLE | EFFECTIVE DATE | REVISION LEVEL |
|--|--|----------------|----------------|
| I. INTRODUCTION AND GENERAL INFORMATION | | | |
| 1 | Revision Log | Oct 2005 | 03 |
| 2 | Table of Contents | Oct 2005 | 02 |
| 3 | Introduction to the DENSO Supplier Quality Assurance Manual (SQAM) | Oct 2005 | 03 |
| 4 | Site Safety and Security Guidelines for Visiting Suppliers | Oct 2005 | 02 |
| 5 | Supplier Use of Temporary Service Workers at DENSO | Oct 2005 | 01 |
| 6 | Overview of Pre-Production/Mass Production Preparations/SQAM Cross Reference Table | Oct 2005 | 01 |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | | | |
|--|--|----------|----|
| 7 | Glossary of Terms | Oct 2005 | 01 |
| II. QUALITY ASSURANCE FOR TRIAL PRODUCTION | | | |
| 11 | Notification of Quality Assurance Requirements (NQAR) | Oct 2005 | 02 |
| 12 | Designation of Supplier Quality Assurance Contact | Oct 2005 | 01 |
| 13 | Training and Qualification of Team Members | Oct 2005 | 01 |
| 14 | Checking Fixtures, Gages, and Test Equipment | Oct 2005 | 01 |
| 15 | Quality Assurance Schedule (QAS) and Tooling Progress Report (TPR) | Oct 2005 | 01 |
| 16 | Supplier Control Plan | Oct 2005 | 01 |
| 17 | Process Failure Mode and Effects Analysis (PFMEA) | Oct 2005 | 01 |
| 18 | Critical Control Characteristics and Process Capability Studies | Oct 2005 | 01 |
| 19 | Gage Repeatability & Reproducibility Study (GR&R) | Oct 2005 | 01 |
| 20 | Initial Sample Inspection Report (ISIR) | Oct 2005 | 02 |
| 21 | Packaging Information and Traceability | Oct 2005 | 02 |
| 22 | Early Stage Control Plan | Oct 2005 | 01 |
| 23 | Mass Production Readiness Visit | Oct 2005 | 02 |
| 24 | Final Approval | Oct 2005 | 02 |
| 25 | QA Network | Oct 2005 | 00 |
| 26 | Hazardous Material Reporting Requirements | Oct 2005 | 00 |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | | | |
| 35 | Sub-Supplier Quality Assurance | Oct 2005 | 01 |
| 36 | Request for Parts/Components | Oct 2005 | 01 |
| 37 | Stratification Control | Oct 2005 | 01 |
| 38 | Deviation Request/Reply | Oct 2005 | 02 |
| 39 | Boundary Samples/Master Samples | Oct 2005 | 01 |
| 40 | Process Change Request (PCR), Reply/ Design Change Request (DCR)/ Engineering Change Instruction (ECI) | Oct 2005 | 03 |
| 41 | Non Conforming Parts: Quality Failure Notice (QFN)/Quality Failure Answer (QFA) | Oct 2005 | 01 |
| 42 | Selective Control Designation Criteria | Oct 2005 | 01 |
| 43 | Supplier Quality System Audit | Oct 2005 | 01 |
| 44 | Value Analysis/Value Engineering (VA/VE) | Oct 2005 | 02 |
| IV. BLANK FORMS | | | |
| IV. | Blank Forms | Oct 2005 | 01 |

SECTION 1 – REVISION RECORD

A. Revisions to SQAM Sections History

Manual Rev. 01

| SECT. | SUMMARY OF CHANGE |
|---|---|
| I. INTRODUCTION AND GENERAL INFORMATION | |
| 1 | DENSO SQA Manual approvals updated and revision levels updated. Descriptions of changes made to Manual. |
| 2 | Table of Contents reprinted on heavier card stock for durability. Bright yellow paper used to aide in locating Table of Contents. |
| 3 | Basic description of Supplier rating system added. QA/QC direct phone number added for 701 Fuel Injection. |
| II. QUALITY ASSURANCE FOR TRIAL PRODUCTION | |
| 11 | Added reference to flow chart in Section 6 that outlines SQA system for greater ease in understanding. |
| 20 | Added option of Supplier to use their own initial sample tags if approved by DENSO QA/QC. |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | |
|---|--|
| 21 | Added request for additional general information regarding stock rotation, inventory cycle time, mass production delivery condition, and environmental storage/ product expiration date. |
| 23 | Added reference to Mass Production Readiness Visit form that is included in the IV. Blank Forms Section. This form can be used to get an understanding of key points reviewed during the visit and also as a tool for Supplier self-audit before the DENSO visit. |
| 24 | Added note that the NQAR now gives a target date for Final Approval form submission. The Supplier is encouraged to submit the Final Approval form earlier than the target date if they have fulfilled all DENSO required activities. This will help make as smooth as possible start up since it allows DENSO Production Control more time to get parts into Production for Trial and Mass Production. |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | |
| 38 | Clarified responsibility of Supplier to ensure a supply of parts that are acceptable during the time of deviation consideration. Deviation types have now been defined for clarity. |
| 40 | Clarified the need for Suppliers to submit VA/ VE Proposal form at the time of Process Change Request or Design Change Request. Added Quality Assurance Schedule (QAS) example for a Process Change Request. |
| 44 | Clarified need for Supplier to submit VA/ VE forms and have included example forms for reference. |
| IV. BLANK FORMS | |
| INDEX | Added index of forms and a reference to Section 6 that provides a table of when forms are to be used. |

Manual Rev. 02

| SECT. | SUMMARY OF CHANGE |
|---|---|
| I. INTRODUCTION AND GENERAL INFORMATION | |
| 1 | Revise signatures required due to the reorganization of TNQA department. Only top management (President & Purchasing) will be required on this form. Quality Department approvals have already been required on the SQAM Change Request Form. |
| 3 | Area Code Change for Maryville Plants from 423 to 865. |
| 4 | Area Code Change for Maryville Plants from 423 to 865. |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | |
| 40 | Supplier Responsibilities – Section 1D: Change in chemicals or submaterial used in manufacturing process (added submaterial). |

Manual Rev. 03

| SECT. | SUMMARY OF CHANGE |
|---|--|
| All | Changed DMTN to DENSO, Deleted Tennessee, INC. from Footers |
| I. INTRODUCTION AND GENERAL INFORMATION | |
| 1 | DENSO SQA Manual approvals updated and revision levels updated. Descriptions of changes made to Manual. Manual revision levels added to revision level table & summary of changes. |
| 2 | Added Sections 25 & 26 |
| 3 | Eliminated Paragraph 2.A. and renumbered section. Paragraph 2.B. – Changed QS9000 to TS16949. Paragraph 3 – eliminated “each year DENSO holds a Supplier Award ceremony....” And replaced with “ Supplier Award recipients will be published on our website.” DENSO Facilities Addresses/Contact Number changed as follows: <ul style="list-style-type: none"> - Phone numbers changed for 101, 201, 202 Purchasing, 101 Starter/Alternator QA/QC, and 701 Fuel Injection. - Address changed for 701 Fuel Injection - Added 601,701, 801 Purchasing and 801 Ceramic Products QA/QC contacts |
| 4 | Eliminated Denso Phone List. Paragraph 2.A.2 & 3 – Added Instrument Cluster (IC) |
| 5 | Added Paragraph 5 allowing the use of full service sorting companies. |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | |
|--|---|
| 6 | <p>Flow Chart: Overview of Pre-Production/Mass Production Preparation – Document list changed to match NQAR.</p> <p>Table: Document Submission Requirements: Deleted Document Control ID column.</p> <p>DENSO Supplier Control plan – Eliminated “This may be substituted with the suppliers own format...”.</p> <p>Added Denso QA Network & AIAG Compliance Connect Spreadsheet/IDMS</p> <p>Denso Supplier Process Change Request/Reply – Added “Not allowed during early stage”</p> <p>Value Analysis/Value Engineering – Added “Not allowed during early stage”</p> <p>Added – Table: Document Cross Reference (PPAP vs. DENSO SQA Manual)</p> |
| 7 | <p>Added definitions for: AIAG Compliance Connect Spreadsheet, DENSO, and PPAP</p> <p>DENSO Supplier Gage Repeatability and Reproducibility Study (GR&R) – Clarified definition</p> |
| II. QUALITY ASSURANCE FOR TRIAL PRODUCTION | |
| 11 | <p>Paragraph 2 – Rewritten to show PPAP level requirements</p> <p>Paragraph 5 – Added “ Suppliers are required to use DENSO forms for PPAP as shown in the cross reference in section 6.”</p> |
| 12 | <p>Paragraph 6 – Eliminated “ An additional SQAM will not be issued to Suppliers because of personnel changes.”</p> |
| 15 | <p>Paragraph G – Reworded to clarify Management approvals.</p> |
| 16 | <p>Paragraph 1 – Reworded to show new requirement to follow AIAG APQP Manual.</p> <p>Paragraph 4 – Rewritten.</p> <p>Paragraph 5 – Reworded to require all revisions be submitted to DENSO.</p> <p>Paragraph 6 – Added “Depending on the change other submittals may be required.”</p> |
| 18 | <p>Table 1 – CPK expectation changed to “1.67 or greater” for short and long term.</p> <p>Table 2 – Actions on the Process Output thresholds are changed to “Less than 1.33”, “ 1.33 to 1.67”, and “Greater than 1.67”. The “In Control” row changed to “Pursue CPK of 1.67 or greater”.</p> |
| 19 | <p>Explanation – Added “required by DENSO” to clarify the required method of GR&R.</p> |
| 21 | <p>Section Title Changed from “Packaging Information and Traceability” to “Lot Information and Traceability”.</p> <p>Purpose – Changed “Packaging” to “Lot”. Added “material”</p> <p>Explanation – Eliminated Paragraph 1 and renumbered the section.</p> <p>Supplier Responsibilities – Eliminated Paragraphs 1.A., 1.B., 4 and 5. Renumbered section.</p> <p>Added paragraph 1.D.</p> |
| 22 | <p>Paragraph 2.A. – Added (Note: The early stage control plan must meet all requirements.....)</p> |
| 24 | <p>Paragraph 9 – Added “given an interim approval”</p> <p>Paragraph 10 – Added “by the due date”</p> |
| 25 | <p>QA Network – New Section</p> |
| 26 | <p>Hazardous Material Reporting Requirements – New Section</p> |
| III. QUALITY ASSURANCE SUPPORT ACTIVITIES FOR TRIAL AND MASS PRODUCTION | |
| 35 | <p>Explanation – Added “material” to sub-supplier quality responsibility</p> |
| 40 | <p>Supplier Responsibilities – Added paragraph 1.G. “Change of Inspection Method”. Paragraph 9 – Added “or equivalent”.</p> |
| 43 | <p>Scope – Changed “QS9000” to “TS16949”.</p> <p>Supplier Responsibilities – Paragraph 2.B. Changed “audit (QSA)” to “assessment checklist”.</p> <p>Paragraph 3.A changed “QS9000” to “TS16949”. Paragraph 4.A. rewritten.</p> <p>Table 1 – Changed “ DENSO sends letter to supplier to formally close the audit process” to “Audit is closed”.</p> |
| IV. BLANK FORMS | |
| IV. | <p>Purpose – Deleted everything following the first sentence. Deleted Document ID table. Added 2 sections – Explanation & Supplier Responsibilities.</p> |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

SECTION 1 - REVISION RECORD

B. Current Revision Levels of DENSO SQAM Forms

Manual Rev. 01

| DOCUMENT | DOCUMENT CONTROL ID | EFFECTIVE DATE | REVISION LEVEL |
|---|--|----------------|----------------|
| DENSO Notification of Quality Assurance Requirements (NQAR) <i>Note</i> : Only issued by DMTN so this is not included in the Blank Forms section of the SQAM. | A-1 | Sept 1999 | 01 |
| DENSO Notification of Quality Assurance Requirements (NQAR), 2nd Page | A-2 | Sept 1999 | 00 |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | J-1 | Sept 1999 | 01 |
| | J-2 | Sept 1999 | 01 |
| DENSO Supplier Packaging Information and Traceability | L | Sept 1999 | 01 |
| DENSO Supplier Final Approval Request | O | Sept 1999 | 01 |
| DENSO Supplier Deviation Request/ Reply | R-1 | Sept 1999 | 01 |
| | R-2 | Sept 1999 | 00 |
| DENSO Supplier Process Change Request/ Reply | T | Sept 1999 | 01 |
| DENSO Supplier Quality Failure Notice <i>Note</i> : Only issued by DMTN so this is not included in the Blank Forms section of the SQAM. | U | Sept 1999 | 01 |
| DENSO Supplier Quality Failure Answer Sheet | V | Sept 1999 | 01 |
| Engineering Change Instruction (ECI) | These forms are controlled by DMTN Production Control. | | |
| Value Analysis/Value Engineering. | These forms are controlled by DMTN Purchasing. | | |

¹ These are recommended references.

Manual Rev. 03

| DOCUMENT | EFFECTIVE DATE | REVISION LEVEL |
|--|----------------|----------------|
| DENSO Notification of Quality Assurance Requirements (NQAR) | Oct 2005 | 02 |
| DENSO Notification of Quality Assurance Requirements (NQAR), 2 nd Page | Oct 2005 | |
| DENSO Supplier Quality Assurance Contacts List | Oct 2005 | 01 |
| DENSO Supplier Procured Check Fixture, Gage, and Test Equipment Request/Approval | Oct 2005 | 01 |
| DENSO Supplied Check Fixture, Gage and Test Equipment Receipt and Condition Report | Oct 2005 | 01 |
| DENSO Supplier Quality Assurance Schedule | Oct 2005 | 01 |
| DENSO Supplier Tooling Report | Oct 2005 | 01 |
| DENSO Supplier QAS/TPR Status Report | Oct 2005 | 01 |
| DENSO Supplier Control Plan | Eliminated | -- |
| DENSO Supplier Gage Repeatability & Reproducibility Study | Eliminated | -- |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | Oct 2005 | 02 |
| DENSO Supplier Initial Sample Inspection Report (ISIR), 2 nd page | Oct 2005 | 02 |
| DENSO Supplier Initial Sample Inspection Report (ISIR) Checklist | Oct 2005 | 01 |
| DENSO Supplier Lot Information and Traceability | Oct 2005 | 02 |
| DENSO Early Stage Control Plan | Oct 2005 | 01 |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | | |
|---|----------|----|
| DENSO Supplier Mass Production Readiness Check Sheet | Oct 2005 | 01 |
| DENSO Supplier Final Approval Request | Oct 2005 | 02 |
| DENSO Supplier Request for Parts/Components | Oct 2005 | 01 |
| DENSO Supplier Stratification Control Sheet | Oct 2005 | 01 |
| DENSO Supplier Deviation Request/ Reply | Oct 2005 | 02 |
| DENSO Supplier Deviation Request/ Reply, 2 nd page | Oct 2005 | 01 |
| DENSO Supplier Boundary/Master Sample | Oct 2005 | 01 |
| DENSO Supplier Process Change Request/ Reply | Oct 2005 | 02 |
| DENSO Supplier Quality Failure Notice | Oct 2005 | 02 |
| DENSO Supplier Quality Failure Answer Sheet | Oct 2005 | 02 |

SECTION 1 - REVISION RECORD

B. Revisions to DENSO SQAM Forms History

Manual Rev. 01

| DOCUMENT | DOCUMENT CONTROL ID | SUMMARY OF CHANGE |
|--|---------------------|---|
| DENSO Notification of Quality Assurance Requirements (NQAR) <i>Note: Only issued by DENSO so this is not included in the Blank Forms section of the SQAM.</i> | A-1, A-2 | Removed Master Sample/ Boundary Sample off of required documentation list; it is not always mandatory. Added Final Approval Target Submission Date. Added second page for additional critical control items. |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | J-1, J-2 | Rearranged top part of forms to allow for more space for entries. |
| DENSO Supplier Packaging Information and Traceability | L | Added new categories: method of stock rotation, inventory cycle time, delivery method, environmental conditions, and product expiration date. Also, added sign off block for DMTN approval. |
| DENSO Final Approval Request | O | Removed standard submission of Boundary Samples and Master Samples form list since their submission might not always be a requirement. Clarified that the determination of the need for a Mass Production Readiness Visit is the responsibility of DMTN QA/QC not the Supplier. |
| DENSO Supplier Deviation Request/ Reply | R-1, R-2 | Rearranged format for more space. Added emphasis on analyzing cause for need to request deviation and on prevention to keep it from happening again. |
| DENSO Supplier Process Change Request/ Reply | T | Clarified that a proposed implementation schedule must be submitted along with the request for process change. |
| DENSO Supplier Quality Failure Notice <i>Note: Only issued by DENSO so this is not included in the Blank Forms section of the SQAM.</i> | U | Reformatted for more writing space. |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | | |
|---|---|--|
| DENSO Supplier Quality Failure Answer Sheet | V | Reformatted for more writing space. Added additional items such as verification of the effectiveness of the corrective action and monitoring of corrective action to prevent future reoccurrence. See Section 41 example attachments. Also, corrective action for root cause now asks for both a physical countermeasure- such as redesign of machine to correct a problem, and system countermeasure- such as use of PFMEA to detect/ prevent potential problems. |
| Engineering Change Instruction (ECI) | | These forms are controlled by DENSO Production Control. |
| Value Analysis/Value Engineering. | | These forms are now included in IV. Blank Forms Section of the SQAM. |

Manual Rev. 03

| DOCUMENT | SUMMARY OF CHANGE |
|--|--|
| All Forms (except ECI & VA/VE) | DMTN changed to DENSO. Appendix numbers deleted. |
| DENSO Notification of Quality Assurance Requirements (NQAR) | Form redesigned to show PPAP level and DENSO specific requirements. |
| Denso Supplier Control Plan | DENSO form eliminated – Refer to AIAG APQP Manual |
| DENO Gage Repeatability and Reproducibility Study | DENSO form eliminated – refer to AIAG MSA Manual |
| DENSO Supplier Initial Sample Inspection Report (ISIR), 1 st page | Mold/Cavity/Mat'l No. changed to Mold/Mat'l No.. Numbers removed from the No. column. New column added for cavity number (Cav). |
| DENSO Supplier Initial Sample Inspection Report (ISIR), 2 nd page | New column added for cavity number (Cav). |
| DENSO Supplier Lot Information and Traceability | Packaging removed from title. Form redesigned to only include lot control information. |
| DENSO Mass Production Readiness Check Sheet | Questions reordered. Question 1 – Combination of previous question 1 & 2. Question 2 – Added sections A & B Question 3 – Reworded Question 4 – Combination of previous questions 4 & 5 Question 6 & 7 – Additional questions added Question 8 – Added section C Question 9 – Added section A & B Question 12 - New |
| DENSO Final Approval Request | Form redesigned to match NQAR. Added Reason for Submission block and area to enter Engineering Change & Process Change number. |
| DENSO Supplier Process Change Request/ Reply | Added "Proposed Switchover Timing" to Proposed Process Change block. DENSO Process Change Request Submission Requirements was revised – Items 1 – 5 were combined and called PPAP Submission Level. 4 additional other lines were added |
| DENSO Supplier Quality Failure Notice | Changed "Initial Response by Due Date:" to "Initial Response Required:". Added Yes/No boxes to same line. Added "Final Response by Due Date:". Added "CA Rec'd". Added "Verification of Countermeasure" block. |

SECTION 1 - REVISION RECORD

| | | | | | | |
|--------------|---|----------|----|---------------------|---------|---------|
| ISSUE | 1 | REVISION | 03 | DENSO MANUFACTURING | SECTION | 1 |
| October 2005 | | | | | PAGE | 8 OF 11 |

**SUPPLIER QUALITY ASSURANCE MANUAL
FOR PARTS AND RAW MATERIALS**

***** INTRODUCTION AND GENERAL INFORMATION *****

C. Current Revision Levels of DENSO SQAM Example Forms

Manual Rev. 01

| DOCUMENT | DOCUMENT CONTROL ID | EFFECTIVE DATE | REVISION LEVEL |
|--|--|----------------|----------------|
| DENSO Notification of Quality Assurance Requirements (NQAR) <i>Note:</i> Only issued by DMTN so this is not included in the Blank Forms section of the SQAM. | AE | Sept 1999 | 01 |
| DENSO Supplier Quality Assurance Schedule (QAS) (This is a new QAS example for Process Changes). | EE-1 | Sept 1999 | 01 |
| | EE-2 | Sept 1999 | 00 |
| DENSO Supplier QAS/ TPR Status Report (This is a new QAS example for Process Changes). | GE-1 | Sept 1999 | 01 |
| | GE-2 | Sept 1999 | 00 |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | JE-1 | Sept 1999 | 01 |
| | JE-2 | Sept 1999 | 01 |
| DENSO Supplier Packaging Information and Traceability | LE | Sept 1999 | 01 |
| DENSO Supplier Final Approval Request | OE | Sept 1999 | 01 |
| DENSO Supplier Deviation Request/ Reply | RE | Sept 1999 | 01 |
| DENSO Supplier Process Change Request/ Reply | TE | Sept 1999 | 01 |
| DENSO Supplier Quality Failure Notice <i>Note:</i> Only issued by DENSO so this is not included in the Blank Forms section of the SQAM. | UE | Sept 1999 | 01 |
| DENSO Supplier Quality Failure Answer Sheet | VE | Sept 1999 | 01 |
| Engineering Change Instruction (ECI) | These forms are controlled by DMTN Production Control. | | |
| Value Analysis/Value Engineering. | 141-028 EXP, 141-007 EXP 1, 141-007 EXP 2 | | |

Manual Rev. 03

| DOCUMENT | EFFECTIVE DATE | REVISION LEVEL |
|---|----------------|----------------|
| DENSO Notification of Quality Assurance Requirements (NQAR) | Oct 2005 | 02 |
| DENSO Supplier Quality Assurance Schedule (QAS) | Oct 2005 | 01 |
| QAS example for Process Changes | Oct 2005 | 01 |
| DENSO Supplier QAS/ TPR Status Report | Oct 2005 | 01 |
| QAS example for Process Changes | Oct 2005 | 01 |
| DENSO Supplier Control Plan | eliminated | -- |
| DENSO Supplier Gage Repeatability & Reproducibility Study | eliminated | -- |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | Oct 2005 | 02 |
| DENSO Supplier Initial Sample Inspection Report (ISIR) page 2 | Oct 2005 | 02 |
| DENSO Supplier Lot Information and Traceability | Oct 2005 | 02 |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

| | | |
|--|----------|----|
| DENSO Supplier Final Approval Request | Oct 2005 | 02 |
| DENSO QA Network | Oct 2005 | 00 |
| DENSO Supplier Deviation Request/ Reply | Oct 2005 | 01 |
| DENSO Supplier Process Change Request/ Reply | Oct 2005 | 01 |
| DENSO Supplier Quality Failure Notice | Oct 2005 | 01 |
| DENSO Supplier Quality Failure Answer Sheet | Oct 2005 | 01 |

SECTION 1 - REVISION RECORD

C. Revisions to DENSO SQAM Example Forms History

Manual Rev. 01

| DOCUMENT | DOCUMENT CONTROL ID | SUMMARY OF CHANGE |
|--|---|---|
| DENSO Notification of Quality Assurance Requirements (NQAR) <i>Note:</i> Only issued by DMTN so this is not included in the Blank Forms section of the SQAM. | AE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Quality Assurance Schedule (QAS) | EE-1, EE-2 | Added a new example outlining schedule for Process Change Request, included in Section 40. |
| DENSO Supplier QAS/ TPR Status Report | GE-1, GE-2 | Added a new example reflecting changes in schedule correspondence for Process Change Request, included in Section 40. |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | JE-1, JE-2 | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Packaging Information and Traceability | LE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Final Approval Request | OE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Deviation Request/ Reply | RE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Process Change Request/ Reply | TE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Quality Failure Notice <i>Note:</i> Only issued by DENSO so this is not included in the Blank Forms section of the SQAM. | UE | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Quality Failure Answer Sheet | VE | To reflect changes noted to blank forms, refer to " B. Revisions to DENSO SQAM Forms History". |
| Engineering Change Instruction (ECI) | | These forms are controlled by DMTN Production Control. |
| Value Analysis/Value Engineering. | 141-028 EXP, 141-007 EXP 1, 141-007 EXP 2 | Now examples are provided in Section 44. |

| | | | | | | |
|-------|--------------|----------|----|---------------------|---------|----------|
| ISSUE | 1 | REVISION | 03 | DENSO MANUFACTURING | SECTION | 1 |
| | October 2005 | | | | PAGE | 10 OF 11 |

SUPPLIER QUALITY ASSURANCE MANUAL FOR PARTS AND RAW MATERIALS

***** INTRODUCTION AND GENERAL INFORMATION *****

Manual Rev. 03

| DOCUMENT | SUMMARY OF CHANGE |
|---|---|
| All Examples except ECI & VAVE | DMTN Changed to DENSO. Appendix ID eliminated. |
| DENSO Notification of Quality Assurance Requirements (NQAR) | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Control Plan | Eliminated |
| DENSO Supplier Gage Repeatability & Reproducibility Study | Eliminated |
| DENSO Supplier Initial Sample Inspection Report (ISIR) | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Lot Information and Traceability | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Final Approval Request | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO QA Network | New Example |
| DENSO Supplier Process Change Request/ Reply | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |
| DENSO Supplier Quality Failure | To reflect changes noted to blank forms, refer to " B. Revisions to DMTN SQAM Forms History". |