



QUALITY ASSURANCE MANUAL

ZQA-001

Revision N

Successful implementation of the requirements defined in this Quality Assurance Manual requires the concerted effort of all Zetec, Inc. employees since everyone contributes to the quality of our products and services. We are committed to this quality program and to improving its effectiveness whenever possible.

Reviewed By:

Electronic approval on file

Emmett Anderson
Director, Supply Chain

Electronic approval on file

Travis Ness,
Director, Manufacturing

Electronic approval on file

Adis Ozegovic
Director, Engineering

Electronic approval on file

Marissa Busby
Director, Human Resources

Electronic approval on file

Kevin Newell
Principal NDT Level III

Electronic approval on file

Peter Van Der Linden
Controller

Approved By:

Electronic approval on file

Rey Taningco
Quality System Manager,
Snoqualmie

Electronic approval on file

Shane Campbell
President, Zetec USA

This Manual Expires 5 Years the Release Date

REVISION HISTORY

<i>Revision</i>	<i>Date</i>	<i>Description</i>	<i>Updated by</i>
N	7-Jun-2022	<ul style="list-style-type: none"> Removed procedures, site names, and activities that are not part of Zetec USA Changed Zetec to Zetec, Inc. Updated approval table Removed the note under 1.3.1.4. Added 1.5 (Designation and Authorization) Added references to SLS-3075-WI-S and QAS-3019-PR-S Added scope of activities to 2.1.1. Deleted tables 2.2 and 2.3 Removed Sections 4.3 & 7.3.2 Removed references to In Plant Audits (APM-3008-PR-S) (18.3) Added 22.5.4 and removed 22.6 	Rey Taningco
M	2-Sep-2020	<ul style="list-style-type: none"> Removed calibration standards and services from scope of safety-related products (table 2.1) Added NQA-1 to table 2.3 Removed NQA-1 and 10 CFR 50 from 2.3.4. Removed references to QAS-0023-PR-Z from 4.2.2 Removed portions related to safety-related procurement (4.3, 7.3.2) Specified versions of ISO 9001:2015, ISO/IEC 17025:2017 and NQA-1-2015 in all sections 	Rey Taningco
L	21-Jan-2020	<ul style="list-style-type: none"> Clarified 1.3.4.b and 1.4.1 Updated site activities in table 2.1.1 and replaced "Professional Development" with "Technical Training" Specified version of NQA-1 used by Zetec, i.e., 2015 (sections 2.3 and 18.4) Removed examples from 7.3.1 Changed "Product Support inspection" to "in-plant audit" in 18.1 and 18.3. Updated section 28 (High-level Process Diagram) so that group labels are better aligned with Zetec's organization structure. Replaced SCM-1001-PR-Q with SCM-1019-PR-Q Removed reference to HRS-1006-PR-Q Added reference to COP-0010-PR-Z 	Rey Taningco Ghislain Cournoyer
K	3-May-2019	<ul style="list-style-type: none"> To modified section 2.3.1.1. Changed the sentence which states that Zetec's quality system is based on CAN-N299.2/.3 to Zetec's quality system is based on ISO 9001 and ISO/IEC 17025. Manufacturing according to CAN N299.2/.3 is available upon request. Added 19.4 (new section on I&TP) Added column to table 2.1.1 to identify safety-related products/services provided by each site. Modified 4.2.2 to include a reference to QAS-0023-PR-Z (Commercial Grade Dedication for Calibration and Testing Labs). Modified process map to account for change to ISO 9001 structure. Replaced reference to N45 with NQA-1 General updates to comply with the 2015 edition of ISO 9001. This includes the addition of sections 1.1, 1.2, 2.1.2 and 2.2.1. 	Stéphane Pelletier
J	21-Dec-2016	<ul style="list-style-type: none"> Replaced reference to Reg Guide 1.83 with NEI 97-06 (in section 2.3.2). Updated 25.1.1 to be consistent with TRN-101. Added Principal NDE Level III responsibilities to section 25.1. Clarified 3.2 	Nancy Stutzman

Revision	Date	Description	Updated by
H	19-Jul-2016	<ul style="list-style-type: none"> • Update references to related documents. • Streamlined manual to reduce duplication of information available in procedures. 	Nancy Stutzman
G	9-Sep-2014	<ul style="list-style-type: none"> • Updated section 6.3 to remove the requirement for distribution of controlled copies of the Quality Manual. • Removed quality records table from section 17.3 and replaced it with reference to QAP-105. • Updated all referenced documents. 	Nancy Stutzman
F	11-Nov-2012	<ul style="list-style-type: none"> • Added Mission and changed Vision (page 5) • Modifications in functions throughout the manual <ul style="list-style-type: none"> ○ Added Quality Assurance Manager ○ VP of Engineering replaced by VP of each business unit ○ Calibration Laboratory changed to After Market Services ○ Field Service and Field Applications to Product Support • Updated to reflect Internal group interactions (section 2.2.4) • Added compliance to RCC-M standard (2.3.1.1, 25.1.13) • Added compliance to ACCP standard (2.3.2.1, 24) • Organizational updates (2.2.3, 21.1.3) • Updated procedure references <ul style="list-style-type: none"> ○ PDP to COP-006 ○ SHP-023 to OPP-10200 • Updated external release statement (6.2.2) • Updated Table 17-1 Records Retention • Modification of paragraphs in sections (8.1, 16.1, 17.1) 	R. Kelso & K.Bolduc
E	10-May-2011	<ul style="list-style-type: none"> • Zetec Quality Policy – updated to support ISO/IEC 17025 reqmts • Added Table 2.1-1 to support CAN3-Z299.2 requirements • Updated 2.3.1.1 to reference CAN3-Z299.2/.3 • Section 2.3.3.4 – changed FSP-301-QA to FAP-008 • Sections 4.3.9, 7.3.5 – changed PUR-001 to OPP-10205 • Sections 5.1.4, 5.3.1 – updated references to QAP-020 • Section 5.3.3 – corrected COP-002 reference • Section 10.2.2 – changed ESCOP-1004 to QAP-013 • Added Section 25, Referenced Documents (Internal, External) 	D. Wood
D	2-Nov-2009	<ul style="list-style-type: none"> • Section 12.1.1- added ref to 01-1005 “Zetec General Mfg Workmanship Stds” in lieu of defining equipment cal ID reqmts (CAR 805). Updated 1.1.1 to ref Quality Mgmt Rep (CAR 864). • Section 2.3.2.2 – deleted statement about NDT/NDE program conforming to ISO/IEC 17025 requirements. Zetec’s ISO/IEC 17025 registration covers calibration laboratory activities only. • Section 2.7 (Procedures) – moved to 5.1.4, 5.1.5 • Section 2.8 (Maint of the Quality Manual) – moved to 6.3.1 • Section 5.2 – updated to reflect current organization • Sections 5.3.2, 5.3.3 – added • Section 5.2.6 moved to 5.2.2; 5.2.7 moved to 5.2.3; 5.2.8 moved to 5.2.2; 5.2.9 moved to 5.2.4 • Changed Field Services to Field Applications • Replaced references to QAP-051 (Document Control) with COP-001; 01-1006 (Zetec General Drafting Standards) replaced with COP-002; CCS-013 (Calibration Standard Raw Matl Receipt Acceptance) replaced with ESCOP-1004. 	D. Wood

<i>Revision</i>	<i>Date</i>	<i>Description</i>	<i>Updated by</i>
C	3-Nov-2008	<ul style="list-style-type: none"> • Changed to alphabetic revision to accommodate IFS • Updated Zetec Vision • Added "PDP Lite" to section 3.3.1 • Updated document refs in sections 3.4.1, 10.2.3, 13.2.4 (note), 15.2.1, 16.3.3, 16.4.2, 16.4.3, 18.3.4, 18.5.1, 18.5.1.2, 19.2.2 • General wording clarifications in sections 5.3.5, 12.1.1, 18.5.1, 23.1.3, 23.1.4 • Added section 16.1.5 • Section 17.3.3 and Table 17-1 – updated employee file retention period to match Roper guidelines • Added Section 23 Note. 	Diane Wood
1	30-Nov-2006	<ul style="list-style-type: none"> • Clarified the Quality Policy re ISO/IEC 17025:1999 requirements • Section 2.1.1 -- clarified inclusion of Zetec sites, U.S. & Intl • Updated org assignments per current Zetec org. Changed use of "department", "team" and "group" to "Organization". • Added sections 4.3.9 and 7.3.5 -- PO wording for nuclear safety related products and services • Added section 16.3.1 -- ref Triage and RCA processes • Added section 18.4.3 – ref to supplier approval & audit processes • Sections 9.2.3 and 23.2.1 -- consolidated references to personnel qualification processes • Added Section 24 (Acronyms) 	Diane Wood
0	31-Mar-2006	Supersedes Snoqualmie Quality Manual Z-QA Rev. 22, Quebec Quality Manual Rev. E and Deep River Quality Manual Rev. 3. Updated to document Quality Management System processes for all 3 sites.	Diane Wood

TABLE OF CONTENTS

ZETEC QUALITY POLICY6
 DEFINITIONS7
 1. ORGANIZATION7
 2. QUALITY MANAGEMENT SYSTEM9
 3. DESIGN CONTROL.....13
 4. PROCUREMENT/PURCHASING DOCUMENT CONTROL.....14
 5. DRAWINGS, PROCEDURES AND WORK INSTRUCTIONS14
 6. DOCUMENT AND DRAWING CONTROL.....15
 7. CONTROL OF PURCHASED MATERIAL, EQUIPMENT AND SERVICES16
 8. IDENTIFICATION AND CONTROL OF MATERIALS, PARTS, COMPONENTS AND PRODUCTS16
 9. CONTROL OF SPECIAL PROCESSES17
 10. INSPECTION17
 11. TEST CONTROL18
 12. CONTROL OF MEASURING AND TEST EQUIPMENT.....19
 13. HANDLING, STORAGE AND SHIPPING19
 14. INSPECTION, TEST AND OPERATING STATUS.....20
 15. NONCONFORMING MATERIALS, PARTS OR COMPONENTS20
 16. CORRECTIVE AND PREVENTIVE ACTION.....20
 17. QUALITY ASSURANCE RECORDS.....21
 18. AUDITS.....21
 19. CONTROL OF PRODUCTION21
 20. SERVICING OF ZETEC PRODUCTS22
 21. MONITORING AND ANALYSIS OF DATA23
 22. CONTRACT REVIEW23
 23. CONTROL OF CUSTOMER-SUPPLIED PRODUCT23
 24. PROCEDURES FOR CUSTOMER SUPPLIED PRODUCT OR EQUIPMENT.....24
 25. TRAINING / PROFESSIONAL DEVELOPMENT24
 26. ACRONYMS AND ABBREVIATIONS26
 27. REFERENCES AND GOVERNING DOCUMENTS27
 28. HIGH-LEVEL PROCESS FLOW DIAGRAM29

Sections 1-18 Correlate directly to Federal Regulation 10 CFR 50 Appendix B.

Sections 19-24 Satisfy the additional requirements of ISO 9001:2015 and ISO/IEC 17025:2017

Section 25 (Training) Supports Both 10 CFR 50 Appendix B and ISO 9001:2015 requirements.

ZETEC VISION

Zetec, Inc. is the company that customers and industry rely upon for complex, high criticality engineered NDT solutions.

ZETEC MISSION STATEMENT

Deliver effective high-value innovative NDT solutions that enhance safety in mission-critical environments.



ZETEC, INC. QUALITY POLICY

- Zetec, Inc. is committed to The Inspection Advantage by providing products and services that meet or exceed customer expectations of quality, reliability, and value.
- Zetec, Inc. strives to continually improve the effectiveness of the Quality Management System and comply with industry standards.
- Zetec, Inc. provides its employees with the resources necessary to achieve superior quality and expertise; including training to ensure successful implementation of policies and procedures.

This quality policy has been issued under the authority of Top Management and is supported by Quality Objectives. The overall Quality objectives established are reviewed during management reviews.

Everyone at ZETEC, INC. recognizes their responsibilities to the Quality Management System, including the application of good professional practices, familiarizing themselves with quality documentation, and implementing policies/procedures in their work.

DEFINITIONS

Note: Quality terms used in this manual are defined in ISO 9001:2015 and 10CFR50 Appendix B.

- **Quality Assurance** Refers to the Zetec, Inc. organization responsible for overseeing the Zetec, Inc. Quality Management System.
- **Quality Control/Inspector** Quality Control or Quality Inspectors are those persons tasked with conducting formal inspections to ensure compliance with product specifications on incoming or Zetec, Inc.-built products.
- **Quality Management System** Refers to the collective set of quality related processes used at Zetec, Inc. Also sometimes referred to as the “Quality Assurance Program”.

Unique terms used in this manual are defined as follows. A complete acronym list is included in Section 26.

- **Eddy Current, Ultrasound** Specifically applies to the NDT applications.
- **Product Support** Services which are performed by Zetec, Inc. Product Support personnel primarily involving acquisition and/or analysis of eddy current or ultrasound data. Additionally, Product Support may involve training or calibration/repair of Zetec, Inc. manufactured equipment. Product Support activities are typically performed at the customer's facility although analysis of eddy current data may be performed at Zetec, Inc.
- **Nuclear Safety Related** Nuclear Safety Related includes a structure, system, or component that affects the safety function necessary to assure:
 - the integrity of the reactor coolant pressure boundary
 - the capability to shut down the reactor and maintain it in a safe shutdown condition
 - the capability to prevent or mitigate the consequences of accidents which could result in offsite exposures

1. ORGANIZATION

1.1. Zetec, Inc. has processes in place to assess and plan the business strategically and tactically.

1.1.1. The President, the leadership team, and key stakeholders perform a strategic review of all aspects of the business once a year to assess operational strengths, weaknesses, opportunities, and threats.

Risk assessments are performed throughout the exercise to assess risks related to competition, product lifetime, NDT product market share, etc. Risk assessments also identify what is needed to counter these potential threats to ensure Zetec, Inc.’s ability to satisfy interested parties and most importantly to identify factors that may adversely affect the stability of the Quality Management System.

- 1.1.2. Once the review and assessments are done and needs and expectations understood, strategies and tactics are defined. Strategies and tactics may apply but are not limited to, products, markets, and productivity.

Outcomes of this exercise are used to plan the evolution of the company by identifying internal needs such as human resources, material resources, infrastructure requirements, processes, markets, and regulatory/statutory requirements. All objectives are separated into each applicable department and are then managed by the associated department directors and managers. Review of these objectives is performed at planned intervals.

- 1.2. Zetec, Inc. understands the needs and expectations of relevant parties.

- 1.2.1. Zetec, Inc. will identify relevant interested parties and monitor their satisfaction. This is done to ensure Zetec, Inc. meets or exceeds their expectations and prevent conditions that could negatively impact both internal and external customers.

Interested party	Needs and expectations	Monitoring, reviewing
External customers	High quality, on-time delivery, quick responses and support, reasonable pricing	Customer surveys, warranty requests, complaints
Suppliers	Reasonable payment terms, partner relationships, clear and complete RFQs and POs	Complaints, contracts, partnerships
Shareholders	Meet operating profit and gross margin goals, provide inventory controls	Financial reviews, inventory reviews
Employees	Professional development, professional working relationships and clean and safe work environment	Quality objectives, performance reviews, training plans
Legal entities	ISO standards, environmental standards, regional standards	Certifications, declarations

- 1.3. Responsibility

- 1.3.1. The President has primary responsibility for all facets of the operation of Zetec, Inc. including quality assurance. The President has delegated the implementation of the Quality Assurance Program to the Quality Assurance Managers. Any change or revision to the plan requires the written approval and acceptance of the President.

The Quality Managers also act as the Zetec, Inc. Quality Management Representatives and are responsible for:

- 1.3.1.1. Ensuring that processes needed for the Quality Management System (QMS) are established, implemented, and maintained.

- 1.3.1.2. Reporting to top management on the performance of the QMS and any need for improvement.
- 1.3.1.3. Ensuring the promotion of awareness of customer requirements throughout Zetec, Inc.
- 1.3.1.4. Acting as liaison with external parties on matters related to the Zetec, Inc. QMS.

- 1.3.2. The Quality Assurance Organization is responsible for implementing Zetec, Inc.'s Quality Management System and ensuring continued compliance of the system with applicable standards and requirements.
- 1.3.3. The responsibilities of employees whose work affects quality are defined in their job descriptions which are maintained by the Human Resource Organization. All employees are responsible to meet the quality practices and goals of the department(s) they support.
- 1.3.4. All employees have complete authority to:
 - 1.3.4.1. Immediately stop practices which are unsafe or outside of approved procedural limits.
 - 1.3.4.2. Notify their supervisor and/or any Quality Assurance representative of any nonconforming/questionable item.
 - 1.3.4.3. Halt shipments of products known to be defective or known to have been produced without using the proper Zetec, Inc. procedures.
- 1.4. Organization Details
 - 1.4.1. The company organizational charts are maintained by Human Resources.
- 1.5. Designation and Authorization
 - 1.5.1. Certain roles and activities require formal designation and/or authorization records approved by the appropriate level of management. Requirements and approval process are described in QAS-3019-PR-S (Formal Designation and Authorization Procedure).

2. QUALITY MANAGEMENT SYSTEM

- 2.1. Scope and Application
 - 2.1.1. The scope of the Quality Management System includes the following:
 - 2.1.1.1. Commercial Activities: Design, Manufacturing, Purchasing, Sales, Human Resources, Quality, Service, Product Support, Engineering Applications, Technical Training
 - 2.1.1.2. Nuclear safety related activities: NDT personnel services
 - 2.1.2. The goal of the Quality Management System is to ensure all strategic activities are designed and implemented to meet or exceed requirements of all parties, eliminate nonconformances, and foster continuous improvement.

- 2.1.3. Measures are to be taken to ensure that services, equipment, and other items supplied to or performed for customers by Zetec, Inc. shall conform to the specified quality levels of applicable codes, standards, regulatory criteria, and purchase order specifications. Monitoring, measurement, and analysis are used; whenever practical, to demonstrate conformity and quality management system effectiveness.

2.2. Responsibility

- 2.2.1. Zetec, Inc. management (President, Vice presidents, Directors, and Managers) is responsible for the following:
 - 2.2.1.1. Taking responsibility for the effectiveness of the Quality Management Process.
 - 2.2.1.2. Ensuring the quality policy is aligned with the company's strategic direction.
 - 2.2.1.3. Defining quality objectives align with the quality policy, the organization, and its context and needs of interested parties.
 - 2.2.1.4. Ensuring the quality policy is established, communicated, and understood.
 - 2.2.1.5. Ensuring quality activities achieve planned results.
 - 2.2.1.6. Ensuring the integration of all applicable standards and requirements in their processes.
 - 2.2.1.7. Promoting the use of the process approach and risk-based thinking
 - 2.2.1.8. Ensuring the availability of resources needed for the Quality Management System
 - 2.2.1.9. Communicating the importance of complying with Quality Management System requirements.
 - 2.2.1.10. Promoting quality processes by engaging, directing, and supporting their employees
 - 2.2.1.11. Promoting improvement
- 2.2.2. The Quality Assurance Organization is responsible for:
 - 2.2.2.1. Ensuring the processes needed for the Quality Management System are established, implemented, and maintained.
 - 2.2.2.2. Reporting to the President and other managers on the performance of the Quality Management System and any need for improvement.
 - 2.2.2.3. Updating quality controls as necessary and ensuring that personnel assigned to "quality" functions are trained in the assigned function.

- 2.2.2.4. Ensuring that inspectors; when performing an inspection function, shall not inspect their own work.
 - 2.2.3. Each manager is responsible for identification and acquisition of the personnel, technology, and material resources needed to meet or exceed Zetec, Inc.'s quality standards.
 - 2.2.4. Each Vice President, Manager, and Supervisor shall ensure that appropriate communication processes are established within Zetec, Inc. and that communications include quality issues and customer expectations. The applicable Vice President of each Business Unit is responsible for the evaluation of requests for new products.
 - 2.2.5. Each department within the organization is responsible to create and maintain procedures and/or work instructions that describe department activities and reference interactions with other departments (where applicable).
 - 2.2.6. Each Business Unit shall monitor customer perceptions related to whether Zetec, Inc. products and services meet their requirements. Product Management along with sales will determine the best methods for obtaining this information.
 - 2.3. References/Standards
 - 2.3.1. Quality Management System
 - 2.3.1.1. The Quality Management System is certified to ISO 9001:2015 and accredited to ISO/IEC 17025:2017
 - 2.3.1.2. The quality system also complies with Federal Regulation 10 CFR Part 50 Appendix B, 10 CFR Part 21 and applicable sections of NQA-1-2015.
 - 2.3.1.3. The quality system includes provisions to comply with applicable portions of N299.3-19
 - 2.3.1.4. Specific Quality Plans may be initiated if needed to satisfy unique customer requirements.
 - 2.3.2. Non-Destructive Testing
 - 2.3.2.1. Non-destructive testing procedure requirements are based on Section XI of the ASME Boiler and Pressure Vessel Code and/or the requirements of the NEI 97-06 and/or other particular specifications (i.e., ASNT/ACCP, CGSB, etc.). Acceptance standards shall be those applicable to a given project.
 - 2.3.3. NDT Personnel Certification
 - 2.3.3.1. Certification of nondestructive testing personnel is based on the guidelines of the American Society for Nondestructive Testing "Recommended Practices for Nondestructive Personnel Qualifications and Certification", SNT-TC-1A.

- 2.3.3.2. The certification program also satisfies the requirements of ANSI/ASNT CP-189, except that ASNT certification is not required for Zetec, Inc. Level III personnel.
 - 2.3.3.3. Radiation safety and protection is based on Federal Regulation 10CFR Part 20 and US NRC RG Division 8 (8.7).
 - 2.3.3.4. Personnel performing nondestructive testing shall comply with the quality requirements defined in procedure APM-3008-PR-S, Field Applications Quality Assurance Requirements.
 - 2.3.3.5. Equipment Calibration
 - 2.3.3.6. The Zetec, Inc. calibration program is committed to meeting the requirements of ISO/IEC 17025:2017.
 - 2.3.3.7. Equipment calibration program guidance is further described in procedure SLP-0001-PR-Z, General Requirements for Service and Calibration.
- 2.4. Resource Management
- 2.4.1. General Resources
 - 2.4.1.1. Resources must be provided to implement, maintain, and continually improve the Quality Management System. Also, resources must be provided to enhance customer satisfaction by meeting their requirements.
 - 2.4.1.2. The infrastructure needed to achieve product and service requirements shall be provided. Infrastructure includes buildings, workspace, process equipment, and supporting services (IT, safety, security, and maintenance).
 - 2.4.1.3. The work environment needed to achieve product and service requirements shall be provided.
 - 2.4.1.4. Work environment applies to facilities (temperature, humidity, lighting, etc.) and human conditions (social, psychological, and physical aspects). The Human Resources department and the health and safety committee ensure that these latter aspects are addressed.
 - 2.4.1.5. Personnel should be aware of the relevance and importance of their activities and how they contribute to the Quality Management System.
 - 2.4.1.6. Job descriptions should be documented and revised as necessary to define necessary personnel competence.
 - 2.4.1.7. Personnel must be competent to perform assigned work based on education, training, skills, and experience. **Note: Effectiveness of training is verified as necessary.**

- 3.2.2. The Leader of each Business Unit is responsible for approval of new product proposals.
- 3.2.3. Engineering is responsible for developing products that meet requirements identified by the product managers and approved by Business Unit leaders.
- 3.2.4. Engineering is responsible for selecting product components that meet regulatory requirement such as CE, RoHS, CSA, and other country specific requirements.
- 3.3. New Product Design Control
 - 3.3.1. Control of the design of a new Zetec, Inc. product is defined in COP-0006-PR-Z (Product Development Procedure).
- 3.4. Established Design Change Control
 - 3.4.1. Control of changes to established electrical and mechanical, software and firmware designs are defined in ENG-3003-PR-S (Configuration and Change Management), which establishes change identification, documentation, review, and approval requirements.
- 4. PROCUREMENT/PURCHASING DOCUMENT CONTROL**
 - 4.1. Purchase of parts and materials used in the manufacture of Zetec, Inc. products are controlled. Zetec, Inc. services, including services used in the manufacture of Zetec, Inc. products (e.g., calibration services, EDM services, etc.) are also controlled.
 - 4.2. Responsibility
 - 4.2.1. The Procurement/Purchasing Department has primary responsibility for establishing and implementing procurement processes to ensure that purchased products conform to specifications, meet quality, and regulatory/statutory requirements.
 - 4.2.2. The QA and Procurement/Purchasing teams are responsible for ensuring that suppliers and sub-contractors are evaluated and controlled as defined in QAS-0018-PR-Z (Zetec, Inc. Supplier Approval Procedure)
 - 4.2.3. The QA and Procurement/Purchasing Departments are responsible to evaluate supplier performance against defined criteria like cost, delays, quality, etc. Thresholds are defined to establish when a supplier needs to be monitored closely due to quality issues. Refer to SCM-3206-PR-S (Supplier Scorecard Procedure).
- 5. DRAWINGS, PROCEDURES AND WORK INSTRUCTIONS**
 - 5.1. Scope and Application
 - 5.1.1. This section applies to the documentation for control of activities and processes for the design, manufacture, repair, calibration, and service of Zetec, Inc. equipment and associated items, along with field services.

- 5.1.2. “Drawings” refers to detailed pictorial information describing the design, layout, specifications, tolerances, etc. for Zetec, Inc. designed sub-assemblies and finished goods.
- 5.1.3. This manual is considered the “top level” document. Refer to COP-0008-PR-Z (Development of Documents) for additional details regarding document tiers.



- 5.2. The policies and procedures detailed in this Quality Manual are applicable to Zetec, Inc. personnel and to subcontractors performing services controlled by the Quality Management System. Compliance with the provisions of this document is mandatory. Prior approval of the President or the Quality Assurance Director/Manager shall be obtained in writing in the event a deviation is required due to events unforeseen or not specifically covered by the policies and procedures.

6. DOCUMENT AND DRAWING CONTROL

- 6.1. Responsibilities are defined in COP-0001-PR-Z (Document Control) and COP-0008-PR-Z (Development of Documents).
- 6.2. Document control applies to Zetec, Inc. documents described in section 5. Refer to COP-0001-PR-Z (Document Control) for additional details.
- 6.3. Instructions on the format and content for Zetec, Inc. procedures and work instructions are documented in COP-0008-PR-Z (Development of Documents).
- 6.4. Zetec, Inc. drawings shall be constructed, approved, and revised according to procedure ENG-3002-PR-S (General Drafting and Design Guidelines), COP-0001-PR-Z (Document Control), ENG-3003-PR-S, (Configuration and Change Management) Snoqualmie and industry standards.
- 6.5. Documents and data provided by external parties shall be governed following COP-0001-PR-Z (Document control).
- 6.6. Current working copies are maintained electronically for access by all Zetec, Inc. employees. Electronic copies are also provided to customers as necessary if approved for external release.
- 6.7. Zetec, Inc. shall not issue controlled copies of the Zetec, Inc. Quality Manual. External parties may download uncontrolled copies of the Quality Assurance Manual from Zetec, Inc.’s website. Notifications regarding revisions/updates to the manual may be provided to external parties upon request.

7. CONTROL OF PURCHASED MATERIAL, EQUIPMENT AND SERVICES

- 7.1. Suppliers are approved following QAS-0018-PR-Z (Supplier Approval Procedure). Supplier selection shall be based on the supplier's ability to meet Zetec, Inc. purchasing requirements including quality and delivery.
- 7.2. Responsibility
 - 7.2.1. Supply Chain Management is responsible for procurement and receipt of purchased materials and equipment in support of manufacturing.
 - 7.2.2. Each manager is responsible for establishing the requirements for purchased services and monitoring those services for any deficiencies.
- 7.3. Control of Purchased Services
 - 7.3.1. Services that must meet defined specifications and/or quality requirements shall be obtained under an approved contract or written purchase order. Applicable specifications and/or quality requirements shall be documented.
- 7.4. Purchased parts shall meet the requirements described in COP-0005-PR-Z (Zetec, Inc. General Workmanship Standards for fabricated materials) as applicable.

8. IDENTIFICATION AND CONTROL OF MATERIALS, PARTS, COMPONENTS AND PRODUCTS

- 8.1. This section describes the measures established for the identification and control of materials, parts, components, and products to ensure compliance with regulatory criteria, applicable codes, and Zetec, Inc. specifications.
- 8.2. Responsibility
 - 8.2.1. Operations supervisors are responsible for the identification and serialization of products.
 - 8.2.2. All Zetec, Inc. supervisors and managers are responsible for appropriate identification and control of materials, parts, and components used in work performed by their organization.
- 8.3. Procedures
 - 8.3.1. All applicable items shall be identified and serialized as early in the manufacturing process as practical.
 - 8.3.2. Serial numbers are applied according to respective product documentation.
 - 8.3.3. M&TE used in the manufacture of Zetec, Inc. products shall be identified and assigned unique serial numbers or Zetec, Inc. asset numbers.
 - 8.3.3.1. Measuring and testing equipment used for calibration must be calibrated at specified intervals and against measurement standards

traceable to International Standards. A label showing the calibration status shall be available on each measuring instrument.

8.3.4. Identification of Services Provided by Zetec, Inc.

8.3.4.1. Identification of product support, calibration and other services performed by Zetec, Inc. is specified in the appropriate department procedures.

9. CONTROL OF SPECIAL PROCESSES

9.1. Responsibility

9.1.1. The Product Support Organizations (e.g., Aftermarket Service, RevospECT) are responsible for the conduct of nondestructive examinations (NDE) performed as a service under contract. Technical Training Manager is responsible to work with Product Support organizations to implement programs for certification of personnel used in NDE services.

9.1.2. The Operations organization is responsible for control of welding, anodizing, and heat treating special processes.

9.1.3. Quality Assurance and Operations are responsible for the inspection and testing of eddy current and ultrasound probes using NDE techniques.

9.2. Non-Destructive Testing/Examination (NDT/NDE)

9.2.1. Procedures controlling inspections performed by the Product Support organization shall be documented.

9.2.2. General procedures for NDE data acquisition and analysis shall meet the "Procedure Requirements" paragraphs of ASME Section XI Appendix IV and/or ASME Section V Article 8.

9.2.3. Inspection procedures may be written to specific customer requirements.

9.2.4. Zetec, Inc. Product Support procedures may be used to meet customer requirements.

9.2.5. The "Eddy Current Testing Personnel Qualification and Certification Procedure" (TRN-101 or equivalent) controls the certification of personnel for the applicable acquisition and analysis tasks.

9.2.6. Certification of NDT equipment used to perform inspections is controlled by written procedures. Procedures established are in accordance with Section 5 of this document.

10. INSPECTION

"Inspection" is defined as the act of verifying that a product or component meets required specifications and is suitable for its intended purpose. Inspection tasks are performed by "Receiving Inspectors" and "Final Inspectors" who are sometimes referred to as Quality Control

inspectors. In this context, “inspection” does not include the NDE inspection service provided by Zetec, Inc.

10.1. Personnel Qualifications

- 10.1.1. Personnel performing inspections shall be appropriately trained for the inspection activity performed. Refer to QAS-0016-PR-Z (Documenting Qualification and Designation of Quality Control Inspectors).
- 10.1.2. Personnel performing inspections shall pass an annual eye examination as required by the standard(s) applicable to the work being performed.
- 10.1.3. Inspectors, when performing an inspection function, shall not inspect their own work.
- 10.1.4. For instruments and probes: an inspector may not perform final inspection and pre-check on the same item.
- 10.1.5. For some minor accessories, it is acceptable for an inspector to perform both checks.
- 10.1.6. Receipt inspections, final inspections, and raw material inspections shall be performed per the applicable procedures listed in section 27.

10.2. Inspector Authority

- 10.2.1. Inspectors are authorized to remove, or halt further processing of, any suspect or defective product or component. Inspectors are also authorized to halt practices that are detrimental to the quality of Zetec, Inc. products.

10.3. Inspections shall be performed following documented requirements. Refer to QAS-3001-PR-S (QC Inspection of EC Probe, Mechanical, and Sheet Metal Parts), QAS-3003-PR-S (Final Inspection Reporting for Electro-Mechanical Equipment), QAS-3006-PR-S (Receiving Inspection Procedure) and QAS-3013-PR-S (Calibration Standard Raw Material Receipt Inspection Procedure).

10.4. Product Inspection Records

- 10.4.1. Inspection records shall be completed as specified in the applicable instructions.
- 10.4.2. Inspection records shall be retained as specified in QAS-0105-PR-Z (Management of Quality Records).
- 10.4.3. Records shall indicate the person(s) authorizing release of product for delivery to the customer.

11. TEST CONTROL

11.1. Responsibility

- 11.1.1. The Engineering/Applications Team is responsible for specifying the requirements for testing of all products manufactured by Zetec, Inc.
- 11.1.2. The operations team is responsible to ensure that engineering prescribed tests are conducted. Operations are also responsible to ensure that test procedures are maintained and that changes are reviewed by engineering as appropriate.

11.2. Procedures

- 11.2.1. Equipment shall be functionally tested prior to shipment to ensure compliance to design requirements.
- 11.2.2. Functional testing of Zetec, Inc. manufactured products shall be conducted and documented per the appropriate procedures and/or work instructions.

12. CONTROL OF MEASURING AND TEST EQUIPMENT

12.1. Responsibility

- 12.1.1. It is the responsibility of all users of measuring and test equipment to ensure that equipment has been appropriately calibrated and certified prior to use as defined in SLP-0003-PR-Z (M&TE Control and Verification).
- 12.1.2. It is the responsibility of Quality Assurance to monitor vendors that calibrate measuring and test equipment to ensure traceability to the National Institute of Standards and Technology.
- 12.1.3. It is the responsibility of the Calibration Laboratory to perform in-house calibrations in accordance with released procedures.
- 12.1.4. When measuring and testing equipment is found out of tolerance, the validity of previous measurement results shall be evaluated, and appropriate actions taken as necessary.

12.2. Procedures

- 12.2.1. All test equipment used to perform calibrations or make certified measurements shall have a prominently displayed calibration label attached to the equipment and a certificate maintained on file.
- 12.2.2. Calibration and certification shall be done using documented procedures. (See section 27.)

13. HANDLING, STORAGE AND SHIPPING

13.1. Handling, storage, packaging, preservation, and shipping are the responsibility of the Operations Organization.

13.2. Procedures

- 13.2.1. All products shall be handled with sufficient care to preclude damage (including cosmetic damage such as scratches).
- 13.2.2. Receiving of major components shall be handled and processed per the applicable procedure (QAS-3006-PR-S, Receiving Inspection).
- 13.2.3. Preservation techniques shall be employed prior to storage or shipping, as appropriate, to ensure product protection and reliability.
- 13.2.4. Items being shipped shall be handled, packed, and marked using standard commercial techniques and packaging per SCM-3102-PR-S

NOTE: Specific customer shipping and marking requirements as identified in purchase orders/contracts and accepted by Zetec, Inc. shall be complied with and noted on documentation using the order entry system.

NOTE: Export licenses shall be obtained as required to comply with the U.S. Bureau of Industry and Security (BIS) Export Administration Regulations. Refer to COP-0003-PL-Z (Compliance with U.S. Export Regulations).

14. INSPECTION, TEST AND OPERATING STATUS

14.1. Responsibility

- 14.1.1. The Quality Assurance Organization is responsible for ensuring compliance with documented procedures for quality control inspections.
- 14.1.2. The Quality Assurance Organization is also responsible for ensuring tests and inspections are completed per documented procedures and that test and inspection results are recorded.
- 14.1.3. The Operations Organization is responsible for ensuring compliance with documented procedures for in-process inspection tasks.

14.2. Procedures

- 14.2.1. Inspected items shall be distinguishable from items awaiting inspection.
- 14.2.2. Nonconforming items shall be identified and/or segregated from conforming items.
- 14.2.3. Inspection or test status shall be indicated on appropriate process or inspection documentation or marked on the inspected item(s) as defined in the applicable procedures.

15. NONCONFORMING MATERIALS, PARTS OR COMPONENTS

- 15.1. The Quality Assurance Organization is responsible for managing the nonconforming material process.
- 15.2. All employees are responsible for identifying and reporting any non-conforming material they find.
- 15.3. Control of non-conformances shall be accomplished according to QAS-3014-PR-S (Control of Nonconformance Procedure)

Note: In the event that unanticipated circumstances create a situation that precludes strict adherence to this document or associated operating procedures, a request for customer acceptance of nonconformance shall be used to document the situation and solution, as well as document the customer acknowledgement. (Refer to QAS-3014-PR-S.)

16. CORRECTIVE AND PREVENTIVE ACTION

- 16.1. The Corrective and Preventive Action process should be used to resolve Quality Management System process issues, product deficiencies, customer complaints, safety issues, internal and external audit findings, potential nonconformities, or potential issues. A corrective action request shall be initiated in the following situation:

Any time a potentially reportable incident occurs as defined in 10 CFR 21 and COP-0108-PL-Z (Reporting of Nuclear Related Safety Hazards).

- 16.2. Quality Assurance administers the Corrective and Preventive Action request processes per QAS-0021-PR-Z (Corrective and Preventive Action Administration).
- 16.3. Any employee may propose a Corrective and Preventive Action request, including requests on behalf of customers or suppliers.
- 16.4. The handling of customer complaints should be managed and investigated per QAS-0021-PR-Z (Corrective and Preventive Action Administration), COP-0111-PR-Z (Customer Complaint Triage Process) and QAS-0109-PR-Z (Root Cause Analysis Process), as applicable.

17. QUALITY ASSURANCE RECORDS

- 17.1. Management of Quality Records is documented in QAS-0105-PR-Z (Management of Quality Records).

Additional customer contract/purchase order requirements may be accepted and implemented on a case-by-case basis.

Note: Zetec, Inc. does not maintain customer plant records. All data sheets, other recorded media, and test reports are the property and responsibility of the customer.

18. AUDITS

- 18.1. Responsibility

- 18.1.1. The Quality Assurance Organization is responsible for all audits as prescribed in QAS-0022-PR-Z (Quality Assurance Audit Activities)

- 18.1.2. Quality Assurance management is responsible to ensure that all audits are performed by personnel independent of their function.

- 18.1.3. Product Support Organizations are responsible for in-plant audits (if required by the customer).

- 18.2. Zetec, Inc. Internal and Supplier Audits are performed per QAS-0022-PR-Z (Quality Assurance Audit Activities).

- 18.3. Personnel

- 18.3.1. Personnel performing internal or external audits shall be appropriately trained as defined in QAS-0054-PR-Z (Qualification and Certification of QA Audit Personnel) or equivalent and shall not have direct responsibilities in the areas being audited.

- 18.3.2. Personnel leading the conduct of external nuclear safety related audits shall meet the qualifications specified in ASME NQA-1-2015.

19. CONTROL OF PRODUCTION

- 19.1. Production activities are planned and carried out under controlled conditions. Controlled conditions include the following, as applicable:

- 19.1.1. The availability of information that describes the characteristics of the product
- 19.1.2. The availability of approved procedures or work instructions
- 19.1.3. The availability of manufacturing, measuring, testing and inspection equipment.
- 19.1.4. Availability of parts and material
- 19.2. Personnel involved in production activities shall be appropriately trained.
- 19.3. Production activities are described in product-specific procedures and/or work instructions.
- 19.4. Inspection and Test Planning:
Where required by the customer, an inspection and Test Plan (ITP) can be provided. ITPs are to be managed per QAS-0024-PR-Z (Inspection and Test Planning).

20. SERVICING OF ZETEC, INC. PRODUCTS

- 20.1. The Calibration Laboratory Organization Supervisor/After Market Service Organization Supervisor is responsible for the servicing of Zetec, Inc. products and for ensuring that procedures used by his/her team are documented.
- 20.2. Procedure
 - 20.2.1. Contracts involving repair/calibration of Zetec, Inc. products shall be reviewed. Evidence of reviews shall be documented.
 - 20.2.2. Returned products are processed per SLP-0006-PR-Z (Returns management).
 - 20.2.3. When items are ready for return to the customer, they shall be packed in a manner to preclude shipping damage. Refer to SCM-3102-PR-S (Shipping).
 - 20.2.4. Personnel performing calibration of Zetec, Inc. products shall be appropriately trained. Refer to SLP-0005-PR-Z (Product Service Training).
 - 20.2.5. All test equipment used for calibrations performed at Zetec, Inc. shall be calibrated. Refer to SLP-0001-PR-Z (General Requirements for Service & Calibration).
 - 20.2.6. Calibrations performed outside Zetec, Inc.'s laboratories (e.g., at customer sites) are performed following SLP-0007-PR-Z (Requirements for Field Calibrations and Services).
- 20.3. Documentation
 - 20.3.1. Certification of calibration shall be performed as specified in applicable procedures (see SLP-0002-PR-Z – Guidelines for calibration certificates).
 - 20.3.2. All servicing of customer items shall be documented on service orders. Refer to SLP-0077-WI-Z (Service Work Order Management).
 - 20.3.3. Service Laboratory procedures are defined to describe the processes in the calibration laboratory. Refer to SLP-0001-PR-Z (General Requirements for Service and Calibration), SLP-0002-PR-Z (Guidelines for Calibration Certificates), SLP-0003-PR-Z, (M&TE Control and Verification) and SLP-0008-PR-Z (Rules for the use of A2LA Accreditation Symbol).

21. MONITORING AND ANALYSIS OF DATA

- 21.1. Department managers are responsible for selecting appropriate measures and goals to support the Zetec, Inc. Quality Management System.
- 21.2. Zetec, Inc. management is responsible for reviewing quality measures and goals at regularly scheduled Quality Management System reviews.
- 21.3. Records are maintained per QAS-0105-PR-Z (Management of Quality Records).

22. CONTRACT REVIEW

- 22.1. Each Business Unit is responsible to ensure that contracts for the purchase of Zetec, Inc. products and calibration or repair work are routed for review to ensure customer requirements regarding products and post-delivery activities are understood. Business Units are also responsible for ensuring that the contract review process is defined, documented, and that employees are trained as appropriate. (SLS-3075-WI-S, Purchase Order and Order Confirmation Review.)
- 22.2. The Product Support Organization is responsible for the review of all contracts for inspection services to be provided by Zetec, Inc. as well as contracts for the rental/lease of Zetec, Inc. equipment. Product Support is also responsible to ensure that their contract review processes are defined and documented and that Product Support employees are trained as appropriate.
- 22.3. The Technical Training Manager, or designee is responsible for the review of all contracts for Eddy Current (EC) training services to be provided by Zetec, Inc. as well as contracts used for training instructors.
- 22.4. The Engineering or Applications team is responsible for review of all contracts that contain technical or design requirements, including software
- 22.5. Contract Review
 - 22.5.1. All contracts shall be reviewed by the responsible persons prior to execution (whenever the contract is received prior to the required delivery).
 - 22.5.2. Contracts containing specific quality requirements shall be reviewed by the Quality Assurance Manager (or designee) for non-standard specifications and documentation requirements. All non-standard requirements shall be identified to Operations management for entry as "Notes" in the order entry system.
 - 22.5.3. Contracts requiring design effort shall be reviewed by the applicable Director/Vice President of each Business Unit for design specifications, documentation requirements and delivery date(s).
 - 22.5.4. Evidence of reviews, approvals and relevant customer correspondence shall be processed per SLS3075-WI-S.

23. CONTROL OF CUSTOMER-SUPPLIED PRODUCT

23.1. Scope

This section applies to all customer-supplied product received by Zetec, Inc. for incorporation into Zetec, Inc. products or for related activities. This section does not apply

to products when ownership transfers to Zetec, Inc. Refer to SLP-0006-PR-Z (Returns Management).

23.2. Responsibility

23.2.1. The Operations and Supply Chain Managers are responsible for all material received for fabrication into Eddy Current standards and/or incorporation into Zetec, Inc. manufactured products.

23.2.2. The After Market Service Organization Supervisor is responsible for items sent to Zetec, Inc. for calibration and repair.

23.2.3. The Engineering or Applications Organization is responsible for material sent for evaluation and/or development of Zetec, Inc. product designs.

23.2.4. Product Support is responsible for customer supplied product sent to the department for evaluation/development of inspection techniques.

24. PROCEDURES FOR CUSTOMER SUPPLIED PRODUCT OR EQUIPMENT

24.1. The customer-supplied product shall be positively identified by tagging, storing, and handling in a manner that prevents damage or loss of traceability. Refer to SLP-0006-PR-Z (Returns Management).

25. TRAINING / PROFESSIONAL DEVELOPMENT

Note: while applicable standards may use the term "training", Zetec, Inc. recognizes the functions described in those standards and in this section as a part of the Zetec, Inc. "Professional Development" organization.

25.1. Responsibility

25.1.1. The Technical Training Manager is responsible for coordinating all NDT training activities.

25.1.2. The Professional Development Specialist is responsible for maintaining the files containing the NDT examinations of Zetec, Inc. employees, which are Quality Records.

25.1.3. Each manager is responsible for determining knowledge and competence requirements for their employees and ensuring that all employees in their department receive appropriate training to enable them to perform their jobs effectively.

25.1.4. Each Manager ensure that each employee is aware of the quality policy and its importance to the effectiveness and improvement of the Quality Management System.

25.1.5. Human Resources is responsible for scheduling personnel safety related training classes to meet the needs of the company. Human Resources is also responsible to ensure that all new employees are provided training related to company practices and the Quality Management System.

- 25.1.6. Principal NDE Level III is responsible for approving formal NDT course outlines and ensuring that training meets all specified requirements.
- 25.1.7. Each organization is responsible for maintaining records of training described in 25.1.1 through 25.1.4 above.
- 25.2. Nondestructive Testing (NDT) Training
 - 25.2.1. NDT training provided in preparation for certification shall be accomplished as specified in the "Eddy Current Testing Personnel Qualification and Certification Procedure" (TRN-101 or equivalent).
 - 25.2.2. Completed examinations for certification of Zetec, Inc. employees shall be retained by the Professional Development Specialist or designee.
 - 25.2.3. Training records will be retained as quality records per QAS-0105-PR-Z (Management of Quality Records).

26. ACRONYMS AND ABBREVIATIONS

26.1.	ACCP	ASNT Central Certification Program
26.2.	ANSI	American National Standards Institute
26.3.	ASL	Approved Supplier List
26.4.	ASME	American Society of Mechanical Engineers
26.5.	ASNT	American Society for Nondestructive Testing
26.6.	BOP/HX	Balance of Plant / Heat Exchanger
26.7.	BIS	Bureau of Industry and Security
26.8.	C of C	Certificate of Compliance, Certificate of Conformance
26.9.	CA	Corrective Action (legacy term)
26.10.	CAPA	Corrective and Preventive Action
26.11.	CAR	Corrective Action Request (legacy term)
26.12.	CFR	Code of Federal Regulations
26.13.	CMTR	Certified Material Test Report
26.14.	EC	Eddy Current
26.15.	EDM	Electrical Discharge Machining
26.16.	EPRI	Electric Power Research Institute
26.17.	IEC	International Electrotechnical Commission
26.18.	ISO	International Standards Organization
26.19.	IT	Information Technology
26.20.	M&TE	Measuring and Test Equipment
26.21.	MIL-STD	Military Standard
26.22.	NCR	Non Conformance Report
26.23.	NDE	Non-Destructive Examination
26.24.	NDT	Non-Destructive Testing
26.25.	NIST	National Institute of Standards and Technology
26.26.	NRC	Nuclear Regulatory Commission
26.27.	PDP	Product Development Process
26.28.	PO	Purchase Order
26.29.	QA	Quality Assurance
26.30.	QMS	Quality Management System
26.31.	RMA	Return Material Authorization
26.32.	S.M.A.R.T	Specific, Measurable, Attainable, Relevant, Time bound
26.33.	UT	Ultrasound Testing

27. REFERENCES AND GOVERNING DOCUMENTS

- 27.1. External Documents are listed in ZQA-001-FA-Z (Appendix of External Standards).
- 27.2. Internal documents referenced herein include the following:
 - 27.2.1. APM-3008-PR-S, Field Applications Quality Assurance Requirements
 - 27.2.2. APM-3008-FR-S, In-Plant Audit Report
 - 27.2.3. COP-0001-PR-Z, Document Control
 - 27.2.4. COP-0003-PL-Z, Compliance with U.S. Export Regulations
 - 27.2.5. COP-0005-PR-Z, Zetec General Workmanship Standards for fabricated materials
 - 27.2.6. COP-0006-PR-Z, Product Development Procedure
 - 27.2.7. COP-0008-PR-Z, Development of Documents
 - 27.2.8. COP-0108-PL-Z, Reporting of Nuclear Related Safety Hazards
 - 27.2.9. COP-0010-PR-Z, General Training Requirements
 - 27.2.10. COP-0111-PR-Z, Customer Complaint Triage Process
 - 27.2.11. ENG-3002-PR-S, General Drafting and Design Guidelines
 - 27.2.12. ENG-3003-PR-S, Configuration and Change management
 - 27.2.13. HRS-3012-PR-S, Training Records Procedure
 - 27.2.14. QAS-0016-PR-Z, Documenting Qualification and Designation of Quality Control Inspectors
 - 27.2.15. QAS-0018-PR-Z, Zetec Supplier Approval Procedure
 - 27.2.16. QAS-0021-PR-Z, Corrective and Preventive Action Administration
 - 27.2.17. QAS-0022-PR-Z, Quality Assurance Audit Activities
 - 27.2.18. QAS-0024-PR-Z, Inspection and Test Planning
 - 27.2.19. QAS-0049-PR-Z, Quality Management System Management Review
 - 27.2.20. QAS-0054-PR-Z, Qualification and Certification of QA Audit Personnel
 - 27.2.21. QAS-0105-PR-Z, Management of Quality Records
 - 27.2.22. QAS-0109-PR-Z, Root Cause Analysis Process
 - 27.2.23. QAS-3001-PR-S, QC Inspection of EC Probe, Mechanical and Sheet Metal Parts
 - 27.2.24. QAS-3003-PR-S, Final Inspection Reporting for Electro-Mechanical Equipment
 - 27.2.25. QAS-3006-PR-S, Receiving Inspection Procedure
 - 27.2.26. QAS-3013-PR-S, Calibration Standard Raw Material Receipt Inspection Procedure
 - 27.2.27. QAS-3014 -PR-S, Control of Nonconformance
 - 27.2.28. QAS-3019-PR-S, Formal Designation and Authorization Procedure
 - 27.2.29. SCM-3206-PR-S, Supplier Scorecard Procedure

- 27.2.30. SCM-3102-PR-S, Shipping
- 27.2.31. SLP-0001-PR-Z, General Requirements for Service and Calibration
- 27.2.32. SLP-0002-PR-Z, Guidelines for Calibration Certificates
- 27.2.33. SLP-0003-PR-Z, M&TE Control and Verification
- 27.2.34. SLP-0004-PR-Z, Inter-Laboratory Comparison (ILC) Testing
- 27.2.35. SLP-0005-PR-Z, Product Service Training
- 27.2.36. SLP-0006-PR-Z, Returns Management
- 27.2.37. SLP-0007-PR-Z, Requirements for Field Calibrations and Services
- 27.2.38. SLP-0008-PR-Z, Rules for the use of A2LA Accreditation Symbol
- 27.2.39. SLP-0077-WI-Z, Service Work Order Management
- 27.2.40. SLS-3075-WI-S, Purchase Order and Order Confirmation Review
- 27.2.41. TRN-101, Eddy Current Testing Personnel Qualification and Certification Procedure
- 27.2.42. ZQA-001-FA-Z, Appendix of External Standards
- 27.2.43. ZQA-001-FB-Z, QA Manual - External Standards Cross-Reference

28. HIGH-LEVEL PROCESS FLOW DIAGRAM

