TIPQA™ Quality Management Solution Overview

TIP Technologies, Inc.
The difference between surviving and thriving

TIPQA™ is the System of Choice for Stringent Compliance Needs

The TIPQA™ Suite of Modules Includes:

- Access Control
- Audit Management
- Complaint Handling
- Corrective Action
- Document Management
- Gage and Tool
- In-Process Inspection
- Nonconformance
- Receiving Inspection
- Serialized Test and Inspection
- Software Problem Reporting
- Statistical Process Control
- Supplier Rating
- Training Management

TIPQA™ Shop Floor Execution

Shop Floor Execution (SFE) further enhances efficiency by sharing data with your ERP software and your TIP*QA*™ Quality Management solution, enabling a paperless shop floor environment

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TIPQA™ is Flexible and Fully Integrated

TIP*QA*™ is a simple, flexible, yet complete solution for manufacturers who view quality as a competitive advantage. Use of the TIP*QA*™ solution has resulted in proven, documented success by countless companies that demand delivery of highly regulated, quality products. TIP*QA*™ consists of fifteen integrated modules that support the complete range of quality management functions. Table-driven user definable parameters allow you to perform sophisticated customization between modules. You can develop multiple document types with different user-defined processes that meet the needs of complex manufacturing environments. All document changes and status are precisely revision controlled, including maintenance of original and subsequent electronic signatures. An audit history is maintained throughout all the modules to provide visibility of who did what and when they took the action, particularly on all material disposition actions. Each module of the system adds both power and flexibility to support the variety of complex business requirements facing manufacturers today.

Access Control (AC)

Access Control is to control user access to all other modules. This module provides System Administrators the tools to define and maintain individual user access to the screens within the system based on their need to function within those screens. Access Control is also used to perform and control general administration procedures for system security and to establish Global System Parameters needed by all other modules

Audit Management (AM)

Audit Management provides complete support of internal and external audits ensuring compliance with all ISO, MIL Standard and other regulatory requirements. It provides the ability to establish any number of “audit types” and to build criteria with weighting factors, if desired, for these “audit types”. Once established, appropriate audit schedules can be generated to provide on-line real time tracking of audit completions. The Audit Management Module documents the history of audits as they are accomplished and records any Corrective Actions associated with those audits. This on-line system improves accuracy by validating data entry against master records, simplifies the auditing process and speeds the processing of corrective actions associated with audit findings.

Complaint Handling (CH)

Complaint Handling is a data collection and processing system. The entire CH process workflow is automated from complaint receipt through final resolution and closure. Additionally, the CH Module is fully integrated with the Nonconformance and Corrective Action Modules thereby eliminating manual paperwork, minimizing data input, providing control and sequencing of task assignments as well as providing significant process reporting capability.

TIPQA™ Quality Management Modules

Corrective Action (CA)

Corrective Action automates a formal, closed loop corrective action system for resolving quality problems encountered in the course of normal operations. CA documents the history of corrective actions from request through follow-up and closure. This on-line system eliminates the possibility of lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of corrective actions.

Document Management (DM)

Document Management provides an automated and secure approach for controlling and the dissemination of documents as well as other files imported into TIPQA. With DM, users can establish and maintain revision control, automate approval routings and release notifications. The DM module provides a central storage point for all controlled documents as well as any revisions for access, archiving, backup, etc. It also provides the ability to establish automated document review schedules as well as controlling restricted and unrestricted documents based on type. The complete document life cycle, from the initial creation through obsolescence, can be automated, controlled and secured through the DM module.

Gage and Tool (GT)

Gage and Tool automates procedures for calibration and tracking over the use of tools and gages. Users can scan bar-coded serial numbers on tools and gages as well employee ID numbers to locate, issue, return, calibrate, and report on tools and gages. GT also includes an inventory control system for tracking consumable materials and eliminates the possibility of lost paperwork. The system improves accuracy by validating data entry against master records, and speeds the processing of gage and tool tracking information.

In-Process Inspection (IP)

In-Process Inspection automates the process of recording inspection/test results of material assigned to Work Orders in manufacturing or engineering operations. IP is used to enter and maintain inspection or test criteria for all processed parts. In addition, the system

In-Process Inspection (cont.)

maintains an on-line history of inspection and test results at the part number or part number/part revision level. IP eliminates lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of inspection and test results.

Nonconformance (NC)

Nonconformance automates the identification and processing of nonconforming material in manufacturing or engineering operations. NC documents the history of nonconforming material fully on-line, taking the place of multi-part forms mailed throughout the company. NC eliminates lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of nonconforming material.

Receiving Inspection (RI)

Receiving Inspection automates the inspection processing of received materials through manufacturing and/or engineering operations. RI prompts receiving inspectors to enter inspection information entirely on-line. Results are then available for on-line viewing by other departments, such as Purchasing, Quality Assurance, Engineering, etc. RI eliminates the possibility of lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of inspection information. In addition, RI is highly configurable to conform to the standard procedures for each installation.

Serialized Test and Inspection (SN)

Serialized Test and Inspection automates the inspection processing of serialized items in manufacturing and/or engineering operations. Operators can manually input or scan bar-coded serial numbers and part numbers, select user-defined defect codes, and enter other relevant inspection results completely on-line. Once the serial numbers are scanned, the information is available on-line for viewing with a wide array of options, including Pareto analysis of defect trends for resolving recurrent problems. SN eliminates the possibility of lost paperwork, improves accuracy, and speeds the processing of test and inspection information.

Software Problem Reporting (SPR)

Software Problem Reporting automates the identification and processing of Software / Firmware that exhibit problems in manufacturing or engineering operations. SPR documents the history of the problem report fully on-line, taking the place of multipart forms mailed throughout the company. SPR eliminates lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of problems with Software / Firmware.

Statistical Process Control (SPC)

Statistical Process Control automates the measurement data collection in manufacturing or engineering operations. SPC users enter inspection measurements on-line as the readings are taken or can be entered after the fact. Results are immediately available for on-line viewing by other departments. SPC eliminates the possibility of lost paperwork, improves accuracy by validating data entry against master records, and speeds the processing of process data.

Supplier Rating (SR)

Supplier Rating Module combines delivery, quality and vendor response/action data into a blended performance rating for suppliers. Sophisticated user set-up parameters enable you to tailor the supplier rating calculation to fit your business model. Ratings are calculated at the Supplier, Supplier Commodity Code and Supplier Part level. Detailed backup data for all decisions about suppliers can be easily maintained. Report Cards or Rating Letters that are user defined can include performance targets and trend data.

Training Management (TM)

Training Management provides the capability for defining and tracking Skill Levels within the organization and assigning or monitoring at the Employee level. This module simplifies the assignment of Skill Levels needed in multiple modules and provides an audit trail of modified skill level assignments. Additionally, automated early warning E-mail notification to the Employee and/or the supervisor are generated when skills with predetermined expiration dates are due for re-certification.