Introduction

At TitanX we have shaped our reputation and market position on our core values: Customer Focus, Respect, Leadership, Empowerment, Professionalism and Safety.

Our Supplier Quality Manual reflects our values and provides the foundation for establishing the trust-based and successful relationships that must exist between our company, our people and our suppliers all over the world.

As per our Group Policy, Purchasing is a driver and enabler of strategy that aims at achieving sustainable growth and profitability by using ethical practices.

To support and secure this vision we need a World Class supplier panel who deliver products designed and produced with the mindset and strategy of zero defects, zero tolerance of non-Quality and continuous improvement.

We strive to invest in collaboration, innovation and thereby we maximize the value creation opportunities in the complete supply chain and along the product life cycle.

To manage the supplier selection and sourcing strategy we have a set of tools which must be strictly applied in order to secure a high level of quality, cost and delivery performance while capturing the product and process capabilities and minimizing the risks in the supply chain.

This manual provides an overview of TitanX quality assurance and performance expectations to supplier executive management.

Arnaud Hasbany
Group Director Purchasing

Johan Stjärnstrand
Group SQAD Director

TitanX Global Presence:

We are where our customers’ needs us to be
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Supplier acknowledgement

**Confirmation:** It is the supplier’s responsibility to ensure that they have received and understood the Supplier Quality Assurance Manual. Supplier to assure that all products that are delivered to a plant within the TitanX Group will fully comply with the Requirements stipulated in this Manual. Should any requirement not yet be completely fulfilled, Supplier will submit an improvement plan agreed to in advance by TitanX with the objective of meeting all the requirements.

Supplier understands that it is their responsibility to assure that only the latest revision of this Manual is used.

Code of Conduct

As a leader in powertrain cooling, we must conduct our business responsibly and in accordance with applicable legislative and regulatory requirements. We have based our Code Of Conduct on our own values, and the globally acknowledged principles for human rights, fair labor practices and environmental responsibility set forth in the UN Global Compact and national legislation.

As a TitanX supplier, you must take responsibility for understanding and following the Code. The compliance to the Code of Conduct is a pre-requisite to any business relationship.
TISIX
TitanX Integrated System for Improvements towards eXcellence.

TISIX sets out the way in which all operational work is to be carried out: involvement of personnel, customer development, constant innovation, purchasing excellence, production system, constant innovation and total quality.

Through TISIX, TitanX continuously works to enhance the operational efficiency of its business. Deploying it as a natural part of the daily work with a strong process quality and improvement focus has resulted in low customer line returns and scrap costs, driving sustained margin expansion.

At each core function there is a TISIX core manual including a functional process chart and roadmaps for each process step.

Every roadmap has five Assessment Levels where the first level is considered as the basic requirement, safeguarding customer requirements and international standards.

Assessment level 2-5 represent the improvement levels, i.e. what requirements to meet in order to proceed to the next level of performance.

At the beginning of each year, the Product Line and its plants propose the TISIX budget by defining a TISIX Deployment plan. When approved, these deployment plans translate into the monthly, detailed TISIX budgets used to control and monitor the weekly and monthly progress in each plant.
Product Quality Assurance
Seven Step approach

Product Quality Assurance is designed to guarantee long-term product quality.

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| 1: Supplier selection | • EVAL  
• Pre-process audit  
• Quality certification  
• SDAE (if development suppliers)  
• Production Supplier Selection | • Commodity or project buyer  
• SQAD  
• Commodity or project buyer  
• Commodity or project buyer and RD&E  
• Commodity or project buyer |
| 2: Define Requirements File | • Define RF | • Commodity or project buyer |
| 3: Quality Assurance File | • Receive QAF  
• Accept QAF | • Commodity or project buyer  
• SQAD |
| 4: Supplier FDPR/P-audit | • Schedule FDPR/P-audit (if requested)  
• Perform FDPR/P-audit (if requested) | • Commodity or project buyer  
• SQAD |
| 5: Supplier IS validation | • Receive IS  
• Acceptance of IS/PPAP (QAF+ISR) | • Commodity or project buyer  
• SQAD |
| 6: Probationary period | • PP Management | • Incoming Inspection (SQAD) |
| 7: Product Quality Assurance | • PQA Management | • Incoming Inspection (SQAD) |

All activity’s within the Product Quality Assurance Seven Steps is linked to the TitanX Structured Development Process.

You will find further explanation under Introduction TitanX Structured Development Process (page 8)
Supplier selection

To be selected as a supplier to TitanX, it is a must to have a positive result from the evaluation, when compared to a selection of suppliers in the same business field. The supplier should show a robust management of the following criteria:

- A documented assessment process to determine the supply chain’s capability to meet the requirements
- Strategy and management
- Financial stability, suitable for production, forecast stability within own production
- Supplier’s overall financial condition
- RD&E (For development)
- Production management
- Quality management and handling procedure for non-conformity
- Logistic handling
- Cost reduction scope
- Competiveness
- Supplier’s capacity to communicate
- Supplier’s competence and commitment for continuous improvement
- Supplier capacity for communication and transparency

Activities:

Supplier Selection

- **EVAL** score <70%: Supplier does not pass the pre-selection.
- **Pre-Process audit** score <70%: Audit failed, the supplier does not pass the pre-selection.
- **Quality certificate**: Supplier to be certified by 3rd. party according to ISO 9001 (current edition) or IATF 16949 (current edition)
- **SDAE**: Only if Development Supplier. This tool is designed to evaluate suppliers’ aptitude to design products and/or processes to help TitanX in the development by their know-how and resources. Conditions: this audit must be performed after EVAL, Pre-process Audit and be certified according to, IATF 16949 (current edition) or T1000. Score SDAE: >70%

Step 2

Requirement File

The first step in TitanX project process is to identify, evaluate and select suppliers. This document, Requirements File, identifies TitanX project and product requirements, Customer Specific Requirements (TitanX customer) as well as the general requirements giving the suppliers necessary inputs to present a competitive quotation.

Once the supplier is selected, the Requirements File has to be signed by both parties in order to launch the tooling.

Step 3

Quality Assurance File

Assures that all selected suppliers have implemented or planned the necessary means of control so that all parts are delivered to TitanX with zero defects. Documents to be included in the Quality Assurance File are stated in the Quality Assurance Plan for product & process, which in turn is a part of the Requirement File.
Supplier Full Day Production Run/Process Audit

The supplier full day production run / Process Audit evaluates manufacturing processes performed at the supplier's site. The aim of the audit is to approve the process, i.e., authorization of volume production for the product or products concerned, under the conditions defined by TitanX.

The supplier shall in advance to the Full Day Production Run / Significant Production Run or Process Audit, have performed production trial runs to be able to show stability in processes and products, this by taking out samples for measurement according to TitanX/AIAG recommendations.

TitanX has the right to carry out an audit without previous warning.

Supplier IS validation

The aim of Supplier Initial Samples is to verify that the product (performance, characteristics, reliability, capacity, test, etc), production lines and equipment comply with specifications.

TitanX uses these samples to qualify products according to the validation plan.

Initial samples shall be sent to TitanX for evaluation upon request. Initial Samples shall be marked with a specific identification number, and have measuring protocol linked to the referring numbers. The initial samples shall be taken out from the serial production during the Full Day Production Run/Significant Production Run at the supplier. Countermeasures and/or functional testing of the parts can be conducted by TitanX for comparison. All measurements and demands/requirements need to be fulfilled and according to all requested standards such as drawing and standards etc.

If Supplier Initial Samples are rejected, serial production cannot go ahead.

Probationary Period

The Probationary period is designed to optimize and validate incoming inspection conditions for all parts.

Once the Initial Sample has been accepted, deliveries are subjected to Incoming Inspection for a defined probationary period.

Probationary period could also be managed at supplier premises. At these occasions, TitanX will specify what criteria and form to be used and proof must be shown upon request.

The Supplier Probationary Period shall last for at least one month and/or involve at least six production deliveries of the part involved.

Note: In case the end customer has a customer specific requirements, this will override TitanX demands.

Product Quality Assurance

Product Quality Assurance is designed to assure long-term product quality. It will result in fewer incoming inspections at TitanX plants without in any way reducing the supplier’s responsibility for product quality.
Sourcing Process

The TitanX Purchasing team has the responsibility to recommend the sourcing strategies for the purchased materials, components and services, and such strategies are approved by the Materials Steering Committee, a governance composed of the Purchasing management, the General Managers and Vice-Presidents.

The team deploys a Strategic Sourcing Process, aiming to maximize value while minimizing risks. When running a Strategic Sourcing Process, the Purchasing team acquires and develops intelligence related to the market and the category by involving the suppliers in data collection such as information gathering and idea generation workshops. In the quotation and negotiation phases, TitanX commits to perform the suppliers assessment in the fairest way by using ethical practices and tools.

The Strategic Sourcing Process follows a rigorous structure with strict phases and milestones.

**Identify and kickoff**

- Build baseline and ambition
- Design sourcing Strategy
- Negotiation and contracts
- Implementation and follow-up

**Strong follow-up through Steering Committee and stake-holders involvement**

Full compliance to this process in terms of timing and quality is a condition for any further development.

Introduction to TitanX Structured Development Process

The TitanX Structured Development Process is used for product development and application projects. It is a group standard and contains both detailed process descriptions and procedures. The TitanX Structured Development Process follows the rules for Advanced Product Quality Planning outputs and supports fulfilling the IATF 16949 and VDA requirements.

**Phase**

A phase is a group of logically related activities that leads to the completion of one or more deliverables. The work to be performed in a phase is unique and phases are typically completed sequentially, but can overlap in some project situations.

**Tollgate**

A tollgate is a planned event for major decisions. A tollgate that aligns with a phase transition should include a phase review based on audit results as described in the quality management chapters.

Phases that are completed are officially closed and documented in PMC minutes.

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**TG** = Toll Gate
**Capacity study**

The suppliers must be able to secure that enough capacity is available for TitanX' needs. The suppliers shall continuously provide internal analyses that demonstrate that the process capacity is secured for all TitanX parts.

These analyses shall be done be using suppliers own form or a form supplied by TitanX. The analyses shall be presented to TitanX every quarter and in the event of any significant changes that can jeopardize the delivery to TitanX.

The supplier must be able to adapt its production and delivery capacity for budgeted volumes by +/-20%.

**Management system requirements**

The suppliers need to demonstrate their ability to consistently provide products that meet the customer applicable statutory and regulatory requirements. The supplier should aim to enhance customer satisfaction through an robust application of the system, including processes for continual improvement, the compliance to customer applicable statutory and regulatory requirements. The suppliers must also have a adequate system to handle nonconformities.

**Continuous improvement**

Continuous improvement is an essential part of the TitanX culture. The supplier must have a process aiming to detect, implement and track cost reduction actions related to total manufacturing cost. The scope includes (but is not limited to) direct materials, indirect materials, overheads and industrial efficiency.

In case such a process doesn’t exist, TitanX expects the supplier to present a plan showing the firm intention to secure an implementation in maximum 3 months from the date the plan is approved by TitanX team.

The TitanX team may take part in this process and share best practices. Upon request and without any prior approval, TitanX may run an audit of the process to understand its real execution at the suppliers.

**Product Traceability**

All suppliers to TitanX must have an identification/traceability system. The traceability system must comply with the First in – First out principles for incoming and delivery/shipping of material. Each lot/batch of material should have clear identification on the product (if requested), box, pallet or racks.
Category of Supplier

There are four categories of suppliers:

<table>
<thead>
<tr>
<th>Category of Supplier</th>
<th>Supplier responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development</td>
<td>Responsible for the development and supply of a function defined by TitanX. The integrated supplier participates in the development and definition of the function with TitanX. For a development supplier there is a development contract agreed.</td>
</tr>
<tr>
<td>Designer</td>
<td>Responsible for a manufactoring process and the manufacture of a product, designed by TitanX in close cooperation with the supplier at an early phase of the application project. A design supplier is a preferred supplier who is invited to participate in the application study/work from early phases without a firm business award.</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Responsible for the development of a manufacturing process and the manufacture of a product designed by TitanX.</td>
</tr>
<tr>
<td>Sub-contractor</td>
<td>Responsible for the manufacture of products designed by TitanX using manufacturing processes developed by TitanX.</td>
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Deviation requested by the supplier

If the supplier wants to supply parts that do not fully comply to specifications, the supplier must notify so in advance, to avoid any disturbance of the normal production. There must be a written authorization from TitanX prior to shipment and the deviating products must be identified and isolated before shipping.

If a deviation is necessary, supplier shall fill out and submit a “Supplier Request for Deviation” to the appropriate TitanX Category or Project Buyer. Supplier deviations shall be limited by a fixed quantity or a limited period of time.

Supplier request for change approval

No change of the products, processes (including process location) or sub-suppliers is allowed without written approval from TitanX. The supplier must send a notification specifying the change at least six weeks prior to the requested change. If the change is accepted, TitanX will request a re-validation of the part and process.

A submission of PPAP is requested when the project is completed.

IMDS report

All component, semi-component and material delivered to TitanX must be entered into the International Material Data System. All Suppliers are to refer to TitanX Customer Specific Requirements for each component by part number per the corresponding Requirements file agreement (QAP.pp). The IMDS report must be accepted before the IS/PPAP can be approved. Submission and approval of IMDS needs to be done four weeks prior to PPAP submission to TitanX.
REACH report

When required, the supplier shall register per the Regulation EC 1907/current revision of the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), or provide TitanX information necessary for compliance. One of the requirements of REACH is that manufacturers and importers must register, for each legal entity, certain chemical substance (in mixtures, in articles, or on their own) that they produce or import (to the EC) in quantities over 1 ton per year that are expected to be released in the life cycle. *Registrant: means the manufacturer or the importer of a substance or the producer or importer of an article submitting a registration for a substance.

Material safety data sheet

A Safety Data Sheet in accordance with local regulations must be provided to TitanX and approved by the receiving plant before delivery of any chemical to which worker exposure may occur.
## Definition of incidents and Incidents management

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<th>Category</th>
<th>Signification</th>
<th>Example</th>
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<tr>
<td>C1</td>
<td>The problem affects TitanX internal or external customer.</td>
<td>Automaker line or end of line rejects.</td>
</tr>
<tr>
<td>C2</td>
<td>The problem disrupts production at TitanX.</td>
<td>TitanX end-of-line rejects, and line disruption.</td>
</tr>
<tr>
<td>C3</td>
<td>The problem is identified on delivery to TitanX and does not disrupt production.</td>
<td>Non-conformance identified at incoming inspection</td>
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</table>

### Method of calculation

**Category 1 (C1)**
Any customer complaint is recorded as an incident when the cause is non-conformance of a primary component.

**Category 2 (C2)**
An incident is recorded when a complaint is made following disruption to TitanX production lines.

**Category 3 (C3)**
All non-conformance identified during incoming inspection using the sampling method is recorded as an incident, whether due to the product itself or the delivery conditions.

### Definition of a recurrent incident
A recurrent incident is an incident which occurs on the same reference, having the same effect and with the same root cause.

### Costs generated
In addition to direct and indirect costs generated by the incidents, the following administrative fixed costs will be applied:
- Cat. 1 (C1) and Warranty: 1000 €
- Cat. 2 (C2): 500 €
- Cat. 3 (C3): 500 €

Administrative fixed costs will double for recurrent incidents.

In addition to these costs, TitanX reserves its right to apply additional penalties depending on gravity or reoccurrence of the generated incidents.

### Incident Processing:
When a defective product is identified, TitanX must notify the supplier of the incident using 5W2H and send the information via e-mail. No other notification will be issued.

The response time is measured and recorded by the TitanX incident tool.
- Within 24 hours of the notification (Quick Response) the supplier undertakes to:
  - Identify and remove all defective products or products that are likely to have the same defect from all stocks of finished products and Work In Progress,
  - Review if other parts in the same product family that can have the same defect,
  - Send a team of competent people to carry out sorting and inspection operations and recover products from TitanX, if TitanX so requests,
  - Come to TitanX’s plants, if TitanX so requests, to analyze the problem, even if it at this stage of analysis is uncertain that the supplier is responsible for the defect,
  - Replace the defective batches of products within 24 hours of notification of the incident by TitanX, and label those batches of products that are not defective.
Within additional five (working) days of the notification date (PDCA) the supplier undertakes to:

- Perform an exhaustive analysis of the root causes of the non-conformance using the PCDA-FTA or 8D method. Method depending on request from TitanX.
- Issue TitanX with a corrective and preventive action plan for both Occurrence and Non detection to be validated by TitanX Purchasing and the Supplier Quality Assurance Development department before it is implemented by the supplier.

Within additional ten working days of the notification date (PDCA), the supplier undertakes to:

- Implement the actions presented above and obtain validation of results from TitanX Purchase and Supplier Quality Assurance Development department.
- Make a Lesson Learned Card to share experience and to be actively taken into account for example in further projects.
- Extend the implementation of these actions to all production lines/machines that is used for TitanX parts. TitanX may perform or have performed inspection, sorting, or rework operations, the cost of which will be invoiced to the supplier if they are at fault, while awaiting a return to the required Quality level. The supplier will also be invoiced for all extra costs generated by the incident.

Termination of incidents:

- The format accepted by TitanX is the PDCA-FTA or 8D format supplied by TitanX.
- C1 or C1 warranty incidents will be terminated by a selective process audit. This audit shall verify the effectiveness of the corrective actions implemented to resolve the problem detected.
- C1, C2 and C3 incidents will be terminated by validation of the PCDA-FTA or 8D template.
- All categories (C1, C2, C3) of incidents will be terminated by validation of the PDCA-FTA or 8D template. These templates shall include actions for:
  » Quick Response
  » Permanent countermeasure for occurrence
  » Permanent countermeasure for Non detection
  » update the standard
  » check list
  » Generalization of countermeasures to similar lines / products
  » Lesson Learned Card

All these information is available and included in the incident templates.
Score card/QCD report

Selected production suppliers will receive a scorecard/QCD report from the category/commodity buyer. Suppliers are expected to review their scorecards upon reception.

Score card/QCD report will include as minimum, C3M, Type of incident, Cost index, Cost reduction ideas per production supplier and delivery performance.

Quality and Process improvement

Our customers expect us not to compromise on quality as well as continuously reduce the cost of our products and they insist that we do so throughout the whole supply chain.

To support and secure this mission, we need a best-in-class supplier panel who deliver products that are developed and produced with a zero defect mindset and a continuous cost reduction program in place.

Process Audit & FDPR/SPR audit

Process Audit: is performed to ensure that the manufacturing process/products are conforming to specification as requested by TitanX and TitanX end-customer.

TitanX Process Audit is divided into seven chapters, with 104 questions in total. A process audit is performed during the FDPR (if requested). TitanX may require a copy of the latest Process audit made internally and/or external audit report.

FDPR/SPR: Production validation under full capacity/quoted rate condition. The objective is to ensure that human and material means are ready for serial production within the QCD, targets of the project.

TitanX reserves the right to perform a Process audit when requested by TitanX or TitanX end-customer

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<tr>
<th>CHAPTER</th>
<th>CRI=0</th>
<th>CRI&lt;50</th>
<th>CRI&gt;50</th>
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<tr>
<td>2 Purchasing - Incoming goods-Storage</td>
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<td>33</td>
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<tr>
<td>3 Manufacturing Workstations</td>
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<td>0</td>
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<td>31</td>
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<tr>
<td>4 Packaging-Storage of finished products-Shipping</td>
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<tr>
<td>5 Inspection-Testing-Laboratory-Metrology</td>
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<tr>
<td>6 Personnel-Enviroment-Safety</td>
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<td>7</td>
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<tr>
<td>7 Measurements of performances</td>
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PPAP level

Suppliers shall have the automotive Production Part Approval Process (PPAP) standard (latest issue) implemented. The supplier shall have the booklet available as hardcopy and/or stored electronically.

Level 1 to 4 of PPAP is used within TitanX and is following the AIAG rules.

**The default level is level Four** if nothing else is agreed upon; the requested documents should be stated in writing into the PPAP Purchase Order.

**Default Level four (4) according below:**

- Design records. (For saleable product)
- Process flow chart. (Including detailed process description)
- Process FMEA
- Control plan
- Dimensional results (for all measurements if nothing else stated)…….
- Material performance results. Material certificate from a third party preferred).…….
- Records of compliance with customer specific requirement
- Part submission warrant

The supplier shall follow stated PPAP procedures during launch.

This includes setting up a solid APQP/QAP, planning, with containing of stated documents required by TitanX for the concerned part. All or parts of these documents shall be submitted, but all documents shall be retained at the supplier at all time as hardcopy and or stored electronic.

Special characteristics

The purpose of the information is to ensure supervision and verifying of specific characteristics regarding safety, legal demands, fitting, function, appearance, other customer demands and manufacturing process in projects and serial production.

Likewise to guide and describe how significant properties are shown on drawing.

**Definition:** Special characteristics can be either:

- Major characteristics mean design- and process properties, which if they appear, are difficult to detect and might cause internal or external customer dissatisfaction. This depending on fitting, function, life length, appearance faults, etc.
- Critical characteristics describe design and process properties, which if they appear, can lead to full stop of functions.
- Safety characteristics describe design and process properties, which if they appear can affect safe vehicle or process operation and or involve noncompliance with government regulation.

The Special characteristic should be controlled as soon as possible in the process flow. Either it will be defined on the detail drawing, if it is related to tooling dimension or sub-supplier process. Or it should appear on the assembly drawing if it is related to an internal process.

Cost breakdown

Potential Suppliers will be invited to participate in the quoting process. Suppliers are required to use the forms supplied in the request for quotation, including detailed cost breakdowns.

Transparency and disclosure of the cost structures and pricing throughout the entire process is required, as well as parts and tool cost. This means determination of target prices and optimization of cost structures as well as a detailed breakdown of the prices of parts and tooling cost.
Controlled Shipment Level 1 and 2

In cases of recurrent non-conformance, where the supplier clearly does not have sufficient control of their production process, the CSL procedure will be applied. CSL1 and CSL2 are provisional procedures designed to guarantee certified deliveries while awaiting the re-establishment of the conformance of the production process.

- CSL1: Following a request from TitanX, the supplier will implement sorting of their production in accordance with criteria defined by TitanX Supplier Quality Assurance Department. The supplier formally guarantees the conformance of goods delivered during CSL1.
- If the supplier fails to meet the commitments stipulated in CSL1, CSL2 is recommended.
- CSL2: requires that an external company validated by TitanX, implement sorting in line with criteria defined for CSL1. The cost of sorting will be on the supplier’s expense. Sorting results will be communicated to both TitanX and the supplier.

New Business on Hold

New Business On Hold Alert Status or New Business On Hold Status procedures will be implemented in case the suppliers do not improve their quality level or fail to fulfill other key specific indicators that TitanX require. This aims to guarantee improvements at the supplier’s facility.

- New Business On Hold Alert Status:
  » No improvement or decreased quality level
  » C1 warranty or C1 recurrent incident
  » Failed to fulfill other key specific indicators

In case one of these occurs a New Business On Hold Alert Status will be issued. The Alert status of the supplier concerned will be examined by the Commodity Buyer and the Site SQAD Manager.

- New Business On Hold on Hold Status:
  » No improvement link to indicators specified into the “NBOH alert” status document within the specified time period
  » If a new C1 warranty or C1 recurrent incident occurs
  » If any other major deviation is caused by the supplier.

In case one of these occurs a NBOH on Hold Status will be issued. The on hold status of the supplier concerned will be examined by the Commodity Buyer, the Site SQAD Manager, Site Purchasing Director and Group SQAD Director.

- Consequences if New Business on Hold:
  » No RFQ process
  » No new Business award from any TitanX plants for the duration of the New Business on Hold status
  » A frequent follow-up by the Commodity Buyer in order to evaluate the relevance of the Supplier Action Plan

- Lifted status for NBOH Alert or NBOH on Hold Status:

When the supplier has fulfilled all specific matter stated in either of these documents, a lifted document is prepared. This document is prepared by the Commodity Buyer.

  » NBOH Alert status: Document to be signed and approved by the Commodity Buyer and the Site SQAD Manager
  » NBOH on Hold status: Document to be signed and approved by the Commodity Buyer, Site SQAD Manager, Site Purchasing Director and Group SQAD Director

- Supplier to be phased out:

After two Businesses on Hold status and no improvement of its performance, all actions will be done to phase out the supplier.
Contract package

This manual is provided as a supplement to, and does not replace or alter, any purchase agreement such as the General Terms of Purchase, or requirements included in applicable engineering drawings, specifications and other contractual documents.

TitanX General Terms of Purchase, containing the following appendix:
Appendix 1 – Price and Parts list (incl. Consignment Stock Levels and Tooling list)
Appendix 2 – QCD Objectives
Appendix 3 – Logistics Agreement
Appendix 4 – Consignment Stock Agreement
Appendix 5 – Quality Incident Handling
Appendix 6 – Non-Disclosure Agreement

Glossary of terms

AIAG .......... Automotive Industry Action Group
APQP .......... Advanced Product Quality Planning
C1 ............ Quality defect from the Vendor that goes to the end customer
C2 ............ Quality defect from Supplier found in TitanX Production
C3 ............ Quality defect from Supplier found in TitanX Receiving
CD .......... Customer Development
C5L .......... Controlled Shipment Level
C3M .......... Total incidents over the last three months
EVAL .......... Evaluation Process, Evaluation of Vendors
FDPR .......... Full Day Production Run
FIFO .......... First In First Out
FMEA .......... Failure Mode & Effect Analysis
IMDS .......... International Material Data System
ISO .......... International Standard Organization
IATF 16949 .. International Automotive Task Force
IP ............. Involvement of Personnel
IS ............. Initial Sample
LLC .......... Lesson learned Card
PDCA .......... Plan, Do, Check, Act
PE .......... Purchasing Excellence
PMC .......... Project Management Committee
PPAP .......... Production Part Approval Process
PQA .......... Product Quality Assurance
PTR .......... Production Trial Run
QAF .......... Quality Assurance File
QR .......... Quick Response
QRQC .......... Quick Response Quality Control
QCD .......... Quality Cost Delivery
QAP,pp .......... Quality Assurance Plan for product & process
RF .......... Requirements File
SDAE .......... Supplier Development Aptitude Evaluation
SQAD .......... Supplier Quality Assurance Development
SPR .......... Significant Production Run
TIPS .......... TitanX Production System
TQ .......... Total Quality
TSDP .......... TitanX Structures Development Process
TISIX .......... TitanX Integrated System for Improvements towards eXcellence