

SWN 39001-01

Requirements for authorization of purchased parts

Cooperation with suppliers

Changes to February 2011 edition:
SWN 13016/17/18/19 added, owner updated



Delivery Standard

Edition: 2018_01_24
Valid for: External
Author: 6/QLV Krüner
Owner: 6/QSL Treitz
Document: 39001-000_E01_V04
© ANDREAS STIHL AG & Co. KG, 2018

Normative references:

SWN 13016-01	Function-relevant features
SWN 13015-02	Functional dimensions, Marking, Monitoring and Control (for external use)
SWN 13020-02	Features subject to mandatory documentation – Design Directive Application
SWN 39001-02	Application for product / process change by the supplier

Bibliography:

SWN 13017-01	Machine and Process Capability Studies
SWN 13018 -01	Statistical process control (SPC) & QCC
SWN 13019-01	Measurement Systems Analysis (MSA)

Contents

1	Scope	1
2	Criteria for authorization	1
3	Authorizations	1
4	Cancellation of authorization	2
5	Re-application for authorization	2
6	Manufacture / Documentation	2
7	Changes by STIHL	3

1 Scope

This *STIHL* Works Standards applies to deliveries to the *STIHL* Group for use in *STIHL* products. "Purchased parts" in this document refers to parts and semi-finished products for use in end-products manufactured in the *STIHL* Group.

2 Criteria for authorization

The supplier authorization must have been issued following proof of certification or a system audit by *STIHL*. Depending on the authorization stage, the universally applicable contractual documents (confidentiality agreement, liability agreement, delivery plan, tool leasing contract etc.) must have been signed between the supplier and *STIHL*.

3 Authorizations

3.1 Evaluation by STIHL

STIHL shall evaluate the supplied goods with a view to their conformity to specifications, their functionality and the supplier's process mastery. All of these evaluations or only individual evaluations may be required.

Confidential:

This works standard may not be forwarded or copied, and its content may not be sold or divulged unless expressly agreed in writing. Any breach of this provision shall automatically render the person(s) concerned liable for damages. All rights reserved in the event of granted patent or an application for registered design.

3.1.1 New part evaluation

In new part evaluation, the parts are inspected for conformity with the drawing and with the installation specifications. Here, even if the parts are usable for test series, STIHL may require corrections to the tools. This requirement shall be notified to the supplier by means of the measurement report completed by STIHL.

3.1.2 Functionality evaluation

In the functionality evaluation, the functional capability of the parts shall be tested in combination with an assembly or with the entire functional unit. The aim is to demonstrate compliance with the functionality requirement in terms of specific function, life span, exhaust, safety, conformity to type approval etc.).

Responsibility for functionality evaluations may be transferred fully or partially to the supplier. In this case, the STIHL test standards shall apply in addition to the test procedures used by the manufacturer. The type of documentation required shall be agreed on a case-by-case basis.

3.1.3 Process capability evaluation

The process capability evaluation shall verify mastery of the manufacturing process for the process control and process monitoring features (optional test features) specified in the drawing in conformity with SWN 13016-01 respectively for the functional dimensions specified in the drawing in conformity with SWN 13015-02.

3.2 Authorization by STIHL

Depending on the evaluations required, in the event of positive test results STIHL shall grant the supplier either a Technical Release or a Production Release.

Technical Release means that the new part evaluation has been successfully passed but that further necessary evaluations have not yet been completed.

Production Release means that all required evaluations have been successfully passed. If a process capability evaluation is not required, the Production Release shall be issued immediately upon successful conclusion of the new part / functionality evaluation.

In all cases, the Production Release may only be adopted on the basis of a written Production Release in conjunction with a corresponding STIHL delivery plan schedule line.

4 Cancellation of authorization

The validity of the authorizations / releases automatically expires if the supplier makes changes to the product or process as defined in SWN 39001-02.

5 Re-application for authorization

To renew the cancelled authorization, the above authorization process must be repeated in conformity with the documents mentioned.

6 Manufacture / Documentation

6.1 Drawings

If the manufacturing company produces its own drawings, said drawings are binding if they have been inspected and approved (released) by STIHL.

In the event of discrepancies between specifications in the Delivery Standards and in the drawing, the information specified in the drawing shall be binding.

6.2 Deliveries

Supplied goods must always be manufactured in conformity with the last released change status, unless STIHL expressly requests a different change status. Manufacturing procedures must comply with the manufacturing procedures agreed with STIHL.

In the case of deliveries of sample orders, the supplier must carry out and document the full scope of tests specified in the STIHL new part evaluation sheet. For dimension inspection, the STIHL measurement report form must be used.

For carrying out the process evaluation function relevant features must be marked on the drawing in conformity with SWN 13106 respectively functional dimensions must be marked on the drawing in conformity with SWN 13015-02.

The manufacturer must specify in the new part evaluation report whether the parts are made by a production-capable manufacturing process that will also be used in subsequent full-scale production.

Note: Parts made by a manufacturing process that is not capable of full-scale production cannot qualify for either Technical Release or Production Release (see paragraph 3.2)

6.3 Parts subject to mandatory documentation

In the case of parts subject to mandatory documentation, the requirements of SWN 13020-02 must be observed. The corresponding drawing must be marked with a 'D'.

7 Changes by STIHL

All modifications introduced by STIHL shall be notified to the supplier by means of a modified drawing and a description of the change, which shall be given a new change number based on the relevant change status. STIHL shall inform the supplier if a new evaluation is required due to this change.