



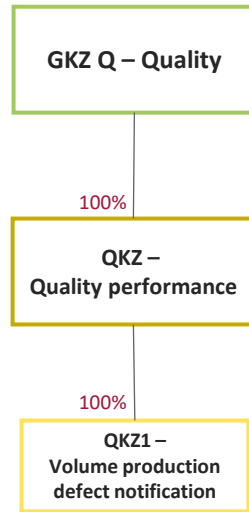
Supplier evaluation Tool Technology

Calculation criteria for tool and measurement equipment suppliers

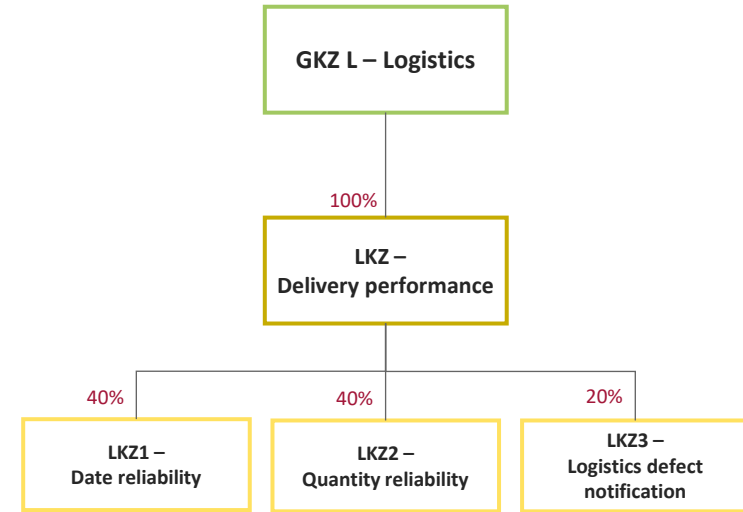
Appendix A1 of brochure 5.1: “Supplier evaluation Tool Technology”
Version A, 2024-05

Overview of the indicators

View of quality key figures:



View of logistics key figures:



Overall quality GKZ Q

The overall criterion GKZ Q for the supplier evaluation comprises the one criteria:

Abbreviation	Criterion	Weighting
QKZ	Quality performance	100%

Technical information/posting rules:

Criteria that are not used for the purpose of evaluation must be set to "0" points / 0% in the evaluation system (blanking out without an influence on evaluation).

In addition, the following classification rules apply:

- 1) There is no special status for the Tool Technology supplier as in the event of production material suppliers (NBH = New Business on Hold). Therefore, a devaluation by quality reasons of the GKZ Q to 59% and the rating "C" is not intended.



Criterion quality performance QKZ

The criterion of quality performance QKZ comprises the one individual criteria in the following overview with a 100% weighting:

Abbreviation	Individual criterion	Weighting	Type(s) of notification ¹⁾	Coding ¹⁾
QKZ1	Volume production defect notification	100 %	Defect notification on tooling	T003

¹⁾ Technical information: Schaeffler internal only

The standard formula for calculating the KPI quality performance QKZ is as follows:

$$QKZ = 1,0 \times QKZ1$$

The quality criteria QKZ1 is determined by evaluating the technically justified quality defect notifications (with status either open or closed) occurring within a defined assessment period.



Volume production complaints QKZ1

The KPI ratio of quality defect notification / goods inward items (max 500) QKZ1 is generated from the ratio between the number of quality defect notifications and the number of all goods inwards items (as shown on the delivery note).

The formula for calculating the KPI QKZ1 is as follows:

$$QKZ1 = 100 - 1000 \times \frac{\text{Number of volume production defect notification (cases)}}{\text{Number of goods inward items in total (Max. 500)}}$$

Technical information / posting rules:

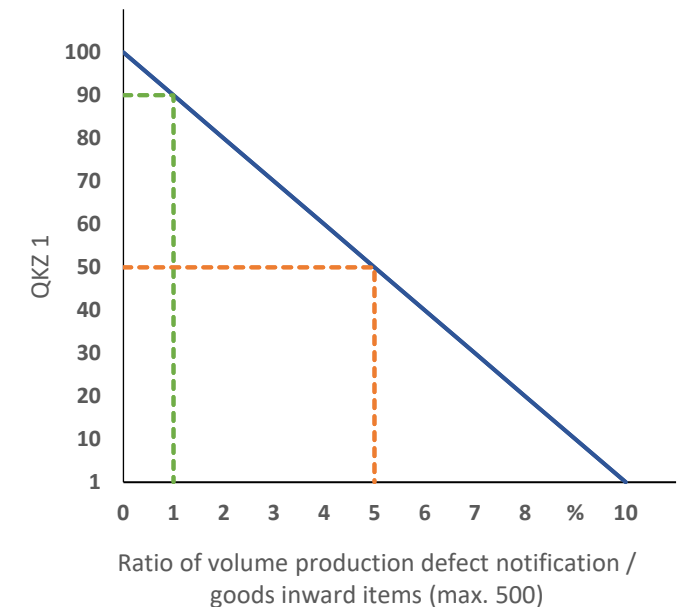
If the calculated value is less than 1, a value of 1 is always assigned in accordance with the definition to the QKZ1 for technical reasons. If 10% of deliveries are the subject of concerns, the QKZ1 value is therefore 1 instead of 0.

In addition, the number of goods inward items is restricted to a maximum of 500 over a period of 6 months. Reason:

Supplier who make frequent deliveries, such as “Just in sequence” in small lots, have previously appeared better with identical delivery quantities in relation to weekly deliveries.

Note/definition:

The KPI cannot have a value < 1 (see technical information).



Overall logistics GKZ L / Criterion delivery performance LKZ

The delivery performance GKZ L is also regularly evaluated by Schaeffler on the basis of the criteria described below.

The supplier evaluation criterion for delivery performance LKZ comprises three individual criteria that have different weightings:

Abbreviation	Individual criterion	Weighting	Type of notification ¹⁾	Coding ¹⁾
LKZ1	Date reliability	40 %	-	
LKZ2	Quantity reliability	40 %	-	
LKZ3	Logistics defect notifications	20 %	Logistics defect notifications	L001

¹⁾ Technical information: Schaeffler internal only

The formula for calculating the KPI delivery performance LKZ is:

$$LKZ = 0,4 \times LKZ1 + 0,4 \times LKZ2 + 0,2 \times LKZ3$$

Where individual criteria are not used for evaluation, the weighting of the remaining criteria is adjusted in accordance with the formula above, in this case without the adherence to quantities LKZ2 :

$$LKZ = \frac{0,4 \times LKZ1 + 0,2 \times LKZ3}{0,4 + 0,2}$$

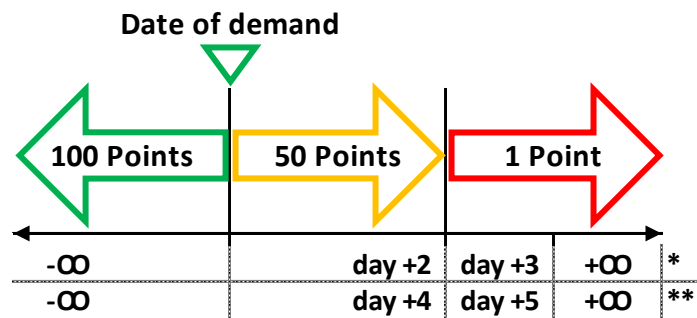


Date reliability LKZ1 / Quantity reliability LKZ2

The KPI for **date reliability LKZ1** is calculated in accordance with a standardized evaluation scheme.

To calculate on-time delivery performance, the delivery date is compared with the target date on the purchasing document on which the delivery is based when goods receipt is posted.

The evaluations of the individual deliveries within the evaluation period are each consolidated into a KPI for date reliability.



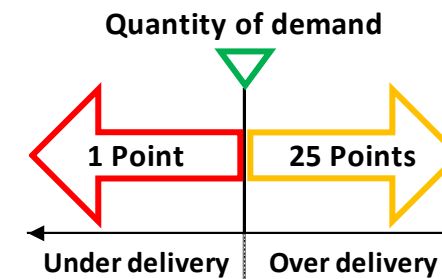
* Deliveries within the region

** Deliveries worldwide

The KPI for **quantity reliability LKZ2** is calculated in accordance with a standardized evaluation scheme.

To calculate quantity delivery performance, the quantity received is compared with the target quantity on the purchasing document on which the delivery is based when the goods receipt is posted.

The evaluations of the individual deliveries within the evaluation period are each consolidated into a KPI for quantity reliability.



Logistics defect notifications LKZ3

The KPI for logistics defect notifications LKZ3 is calculated on the same basis as QKZ1 using logistics defect notifications occurring within the evaluation period in relation to volume products.

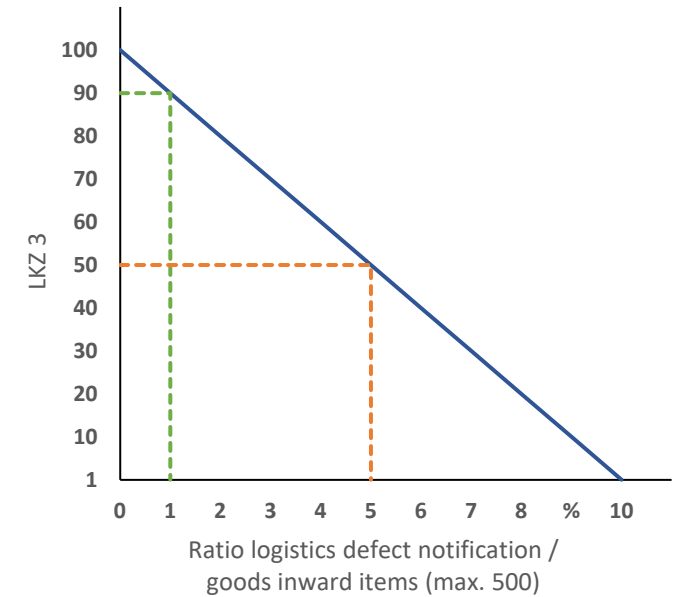
Note: The recording and approval of the cases associated with additional freight costs is carried out in the so-called ERS tool in the relevant plant function for logistics. Within the framework of these activities, a logistics complaint must be created for linkage to supplier evaluation. It is irrespective in this case whether the supplier has given notification of this case himself or it has been identified by Schaeffler.

The following applies to the calculation of the KPI for logistics defect notifications LKZ3:

$$LKZ3 = 100 - 1000 \times \frac{\text{Number of logistics defect notification (cases)}}{\text{Number of goods inward items in total (max. 500)}}$$

If the calculated value is less than 1, a value of 1 is always assigned in accordance with the definition to LKZ3. If 10% of deliveries are the subject of logistic complaints, the LKZ3 value is therefore 1 instead of 0.

Note/definition:
The KPI cannot have a value <1 (see technical information)



TOOL TECHNOLOGY

Our passion forms your innovation

We pioneer motion