

Supplier Scorecard

How-to guide: what the workbook does, how to use it and what every number means.

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Supplier Scorecard

Score every supplier each month on quality (PPM), on-time delivery and responsiveness, weighted your way, and rank them against your minimum.

For: Supplier quality engineers, buyers, purchasing and supply-chain managers in any manufacturing plant.

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Quick start

1. On Setup, set the pillar weights, your minimum composite score, the PPM that scores zero and your PPM and on-time targets, then list your suppliers.
2. On Monthly Log, add one row per supplier per month: units received and rejected, deliveries due and on time, and a 0-100 responsiveness rating.
3. Read the Check column: anything other than OK names the problem in words.
4. Open the Dashboard to see the ranking, who is below your minimum and why; use the supplier and month filters at the top.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Weights, your minimum score, the quality scale, targets and the supplier list.
Monthly Log	One row per supplier per month: receipts, rejects, deliveries and a responsiveness rating.
Dashboard	Composite scores against your minimum, the three pillars and the monthly trend, for the suppliers and months you choose.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
PPM	Units rejected / units received x 1,000,000.	PPM
Quality score	100 x (1 - PPM / the PPM that scores zero), never below 0. A linear scale you anchor on Setup.	points
On-time delivery	Deliveries on time / deliveries due.	%
Delivery score	On-time delivery x 100.	points

Quantity	How it is calculated	Units
Responsiveness score	Your 0-100 rating, typed per month. Over a period: the average of the monthly ratings.	points
Composite score	$(W_q \times \text{quality} + W_d \times \text{delivery} + W_r \times \text{responsiveness}) / (W_q + W_d + W_r)$. With 50/30/20: $0.5 \times Q + 0.3 \times D + 0.2 \times R$.	points
Pillar points	Each weight / sum of weights x its pillar score: the part of the composite each pillar earned (the stacked chart).	points
Status and gap	Composite - minimum. On target at or above the minimum, Near target within 5% below it, Below target under that.	points
Rank	1 + the number of suppliers with a higher composite (ties share a rank).	-
Period roll-ups	SUMIFS over the log rows whose View date is filled (inside the supplier and month filters); PPM and on-time delivery are formed from those sums.	-

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Halvorsen Pump Works, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

Supplier Scorecard

Composite scores against your minimum, the three pillars and the monthly trend, for the suppliers and months you choose.

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Supplier

From month

To month

Showing 48 supplier-months. Leave the filters blank to include everything; months are inclusive.

SUPPLIERS BELOW MINIMUM	LOWEST COMPOSITE SCORE	INCOMING PPM, ALL SUPPLIERS	ON-TIME DELIVERY, ALL SUPPLIERS
1	Deccan Forgings	159	90.6%
Composite under your minimum	Rank last in the table below	Target 500	Target 95.0%
		On target	Near target

