

# MITRE'S SUPPLY CHAIN KEY PERFORMANCE INDICATOR (SCKPI™): A NEW APPROACH TO SUPPLY CHAIN RESILIENCE METRICS

The MITRE Supply Chain Key Performance Indicator (SCKPI™, pronounced Skippy) tool helps supply chain resilience stakeholders quickly identify indicators relevant to supply chain resilience risks and orient strategic resilience goals towards objective performance measures.

While the current key performance indicators (KPI) landscape in the supply chain domain is largely concentrated around industry's profit-focused metrics, this framework organizes KPIs with the goal of evaluating critical supply chain resilience at the national level.

SCKPI was developed in collaboration with dozens of MITRE supply chain subject matter experts and serves as the basis for an ongoing effort to re-orient industry profit-seeking KPIs towards a whole-of-nation resilience focused approach. KPIs are organized within SCKPI by risk type, supply chain phase, and timeframe and are accessible via an easy-to-use user interface. SCKPI helps government sponsors drive resilience strategy that targets their mission-specific goals for supply chain.

SCKPI is currently a prototype. If you are interested in participating in a SCKPI pilot, contact us to learn more at [supplychainsecurity@mitre.org](mailto:supplychainsecurity@mitre.org).

## SCKPI ESSENTIALS

SCKPI is an interactive Tableau Dashboard designed to assist decision-makers in identifying the most relevant KPIs for their needs. It serves as a comprehensive framework for organizing these KPIs and establishes a common language for engaging with stakeholders across the supply chain domain.

## HOW IS IT USED?

Users can view total KPI counts across various categories and select specific KPIs of interest. By hovering over individual KPIs, users can access concise definitions and formulas, as well as explore related categories within the taxonomy. The dashboard allows for filtering KPIs by parameters such as the "Logistics" risk category and the "Deliver" supply chain phase. Additionally, it provides definitions for all risk categories and supply chain phases, enhancing user understanding and facilitating informed decision-making.

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Click Here to View KPI Counts

Click Here to View KPI Classifications

KPI Counts

Use the counts to filter visible KPIs and their definitions

Supply Chain Phase(s)

	Obtain	Acquire	Produce	Deliver	Use
Technical	16	17	17	14	11
Economic	10	10	13	15	10
Environmental	12	13	13	12	9
Geopolitical	9	9	9	5	7
Business & Financial	11	11	12	13	7
Logistics	20	21	23	25	6
Security	5	5	5	1	1

Total Number of Unique KPIs Shown:

13

KPI

Average Payment Period for Production Materials

Consumer Satisfaction

Customer Loyalty

Day Sales on Inventory

Demand Forecasts

External Market Forces

Gross Margin ROI

Inventory Days of Supply

Peak Demand

Supplier Rejection Rate

Supply Chain Cost per Unit Sold

Supply Chain Diversity

Total Supply Chain Management Costs

Supplier Rejection Rate

Definition: Quantity rejected by the suppliers over the total quantity received.

Formula: (quantity rejected/quantity produced) \* 100

Risk Type(s): Economic, Logistics, Technical, Geopolitical, Business & Financial

Supply Chain Phase(s): Obtain, Acquire, Produce