

ABOUT SABIC DATA QUALITY

SABIC implemented an Enterprise Data Management (EDM) framework to ensure that daily business processes across SABIC and related master data are owned, managed, and controlled to enable robust controllership, process excellence, high data quality and accurate reporting. In addition, it raises our maturity level for better optimization opportunities.



DATA QUALITY MANAGEMENT OBJECTIVE

The objective of Data Quality Management is to get the right data to the right people, in the right place, at the right time, in the right form, so that they can make the right decisions and take the right actions.

SEVEN DATA QUALITY DIMENSIONS TO MONITOR DATA

DIMENSION	DESCRIPTION	EXAMPLE
Accuracy	Determines the extent to which data objects correctly represent the real-world values for which they were designed.	If an employee has children, but the system shows she does not, then that is an inaccuracy.
Completeness	Determines whether any data is not recorded completely as required.	A raw material purchase order is not complete without a mention of the quantity.
Conformity	Determines the extent to which data conforms to a specified format.	Data should be in the agreed business format. For example, dates should be: MM/DD/YY.
Consistency	Determines the extent to which distinct data instances provide non-conflicting information about the same underlying data object.	If the HR system indicates an employee no longer works in the company, and payroll records show he is still receiving a check.
Integrity	Determines whether any data that establishes relationship is not missing.	A customer database should have the record of only valid customers, their addresses, and the company's relationship with them.
Timeliness	Determines which data is available and accessible on time when it is needed.	SABIC needs financial information every quarter. If the data is ready on schedule, it reflects timeliness.
Uniqueness	Determines which data is duplicated and which is not.	Vendor ID must be unique.

Data Quality is everyone's responsibility