

What is good quality data?

Good quality data means that all master data is complete, consistent, accurate, time stamped and industry standards based.

What is the GS1 Data Quality Framework?

The GS1 Data Quality Framework is a “best practice” guide for data quality that can be used collaboratively by trading partners. It consists of several chapters: The core of the document is the Data Quality Management System Requirements (DQMSR). This chapter describes how an organisation can effectively manage its data, being able to publish good quality data. It is based on industries’ best practices.

Other chapters describe ways to demonstrate compliance to these rules. Compliance can potentially be demonstrated through a self-administered ‘self-declaration’ procedure, based on an internal audit of the organisation or through external third-party auditing (concept to be further discussed). In addition to this, a Data Inspection Procedure is available for the physical validation of product attributes. The necessity to demonstrate compliance to DQMSR depends on market needs and trade relationships.

When will the self-declaration chapter become available?

The self-assessment (which may lead to a self-declaration) chapter has been included in the Data Quality Framework and it is now available on the following link: http://www.gs1.org/productssolutions/gdsn/data_quality/data_quality_framework.html. The chapter not only includes the tools to perform a self-assessment but also a set of KPIs to monitor the accuracy of the actual data being produced.

Who manages the Data Quality Framework?

GS1 (and by extension GS1 GDSN, Inc.) manages the Data Quality Framework; to support its maintenance, roll-out and further development, GS1 GDSN, Inc. created the Data Quality Steering Committee as an executive body in charge of managing the document.

Who is in the Data Quality Steering Committee?

The Steering Committee is comprised of equal participation from supplier and retail companies, as well as GS1 Member Organisations and Industry Associations. More information on the Steering Committee can be found in the [data quality introductory presentation](#).

What is the advantage of good quality data?

Good data quality will improve internal business processes for manufacturers, retailers, wholesalers, intermediaries and other third parties. For example, more accurate information on product weights and dimensions will contribute to better freight utilisation, eliminate the need for multiple measurement of the same product along the supply chain, and reduce the number of resources required to re-work programmes.

To which attributes does the framework apply?

Data quality management typically applies to all data used in an organisation. However, to facilitate a physical inspection procedure a short-list of key attributes has been incorporated into the Data Quality Framework. These attributes are most critical in data management process failures.

What is the relationship of the GS1 Data Quality Framework to GS1 System standards for measurement tolerances?

The Data Quality Framework is based on GS1 Standards, including standards in the making. The Framework references all applicable standards created by the industry under the Global Standards Management Process (GSMP) managed within GS1.

Is using the Framework compulsory?

Using the Data Quality Framework is not a condition to publish data into one of the Global Data Synchronisation Network (GDSN)-certified data pools. However, it is recommended by GS1 to ensure good quality data is published. Usage is also dependent on trading partner's requirements.

Will this add costs?

Instituting any data quality/accuracy programme will involve additional resources, very much depending on the size of an organisation and experience with data quality management.

The Framework is intended to be robust, but pragmatic/flexible to minimise increasing costs. In any case, these costs should be balanced by the advantages of having good quality data. After all, by improving the quality of data within the end-to-end global supply chain, trading partners will reduce costs, improve productivity and accelerate product speed to market.

Is there a third-party certification programme?

The Data Quality Steering Committee will continue to monitor market conditions to define the best approach to certification.

Where can I find the Data Quality Framework?

Version 2.0 is published on the data quality section of the GS1 website: http://www.gs1.org/productssolutions/gdsn/data_quality/data_quality_framework.html
Version 2.0 was approved on January 2008.

Can GS1 help with the implementation of data quality management systems?

GS1 GDSN, Inc. is working actively with GS1 Member Organisations to ensure support can be provided in a number of latitudes to companies wishing to make use of the Data Quality Framework. In addition to that, a set of support materials have been developed and posted on the data quality website: http://www.gs1.org/productssolutions/gdsn/implementation/data_quality.html

Where can I submit my questions and needs on data quality?

To the Data Quality Helpdesk: dataqualityinfo@gs1.org

How does the Framework relate to Internal Data Alignment (IDA) programmes?

Internal Data Alignment (IDA) programmes have been developed to help organisations implement best practices in data management. IDA is helpful in implementing a data quality management system. For more information on IDA please refer to the [Getting Started with Data Quality Guide](#).

How often will the Framework be updated?

Based on experiences with implementing the Framework, the document will be updated as often as necessary. Any new changes will be made public on our website.

How does the Data Quality Framework compare to ISO 9001?

The data quality management system prescribed in the Data Quality Framework has been written in such a way, that it should be possible to implement it in any existing quality management system, like one based on ISO 9001.

Does the Framework add an additional layer to quality management?

Those organisations that have an internal quality management system will be able to incorporate the Data Quality Management System into their existing system. It will add requirements to that system, as it will focus on data quality, but it will not add another layer to the organisational structure.

Will GS1 Member Organisation offer measuring services?

Several GS1 Member Organisation already offer measuring services. These services are not part of the Framework itself, but are aligned on the same principles and can help organisations to enter the right dimensional data into their internal systems.

What is the 'Data Quality Challenge'?

The 'Data Quality Challenge' is a programme developed by the Data Quality Steering Committee which aims to:

- Promote acceptance of the Framework and the self-assessment process
- Obtain practical feedback for the improvement of the Framework
- Promote useful lessons to share across the industry for future implementers

More information will be posted shortly about the 'Data Quality Challenge'.