

GS1 LOGGERSYSTEM

Elements



GS1 Logger for Staff server



GEPIR Network



Mobile application



GS1Lib



GS1 Location Database



myLogger website



Together we succeed

GS1 Logger for Staff System Elements

Introduction

During the international pilot project more and more features were developed in the GS1 Logger for Staff application, including new functions in the mobile application as well as on the myLogger webpage. In parallel with the developments the Logger System has become more and more integrated and complex.

Beside the validation of GS1 ID Keys and Global Company Prefixes through the GEPIR network the so called GS1Lib software component was developed and implemented in order to ensure the data qualification against the GS1 General Specifications.

The major elements of the system are:

- Logger server
- mobile application
- myLogger website
- GS1Lib
- GEPIR network
- Location database

1 Logger Server



The Logger Server is the core of the system.

- It provides the connection between the data source and data receiver applications.
- It manages the information flow: aggregates, transforms and stores the master data and transactional data.

The Logger for Staff application uses some specific master data provided by the GS1 MOs at the registration. This set of master data is assigned to the records generated by the users.

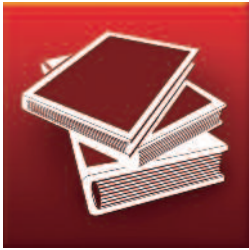
Transactional data are the records generated by users when using the application. This includes the scanned data content, the time and location of scanning, the unique identification of the scanning device, attached pictures, etc.

2 GS1 Logger for Staff mobile application



By using the GS1 Logger for Staff mobile application users are able to scan different types of GS1 barcodes, validate ID Keys through GEPIR and qualify the barcode and data content against the GS1 General Specifications. The mobile application is available for download in AppStore and Google Play.

3 GS1Lib



The GS1Library (so called GS1Lib) includes all the latest existing GS1 standards and rules, thus it supports the Qualification function of the application. It is practically a software solution that enables the Logger for Staff application to automatically check whether a set of data is in alignment with the GS1 General Specifications or not.

4 myLogger website



The myLogger website is dedicated to administer and manage the whole user community. On this website users can check their history of records. It also provides a solid platform to retrieve comprehensive statistic information and figures for the participating MOs. Furthermore it stores all the necessary data and tools to support MOs to follow up invalid numbers.

5 GEPIR network



The application uses the GEPIR Network to check the validity of the GS1 prefixes and ID Keys. The Logger server is directly connected to the GEPIR node of GS1 Hungary enabling the application to reach the GEPIR Network.

6 Location Database



Location database is a constantly growing and “broadenable” database developed by GS1 Hungary based on international standards and public authentic sources in a modern IT environment, which is capable of supporting any track and trace system since it provides accurate and reliable location data for stakeholders of the supply chain at real time. Identification of physical location is always carried out by GLN for the sake of global interpretation.

Location database is an important building block of GS1 Logger for Staff mobile application. In this solution the result of each scan is linked with the accurate physical location of the given scan. Physical locations returned to GS1 Logger for Staff application have their own data sheet, in which all the master data and the position of the given location in the map can be seen.

GS1 Hungary is planning to develop a methodology for the MOs on how to build national location databases. Should you be interested please contact **Balázs Fekete**, fekete@gs1hu.org directly.

More than 50 GS1 MOs

More than 280 users

More than 35 000 scans

The System



LEARN MORE ABOUT GS1 Logger for Staff System

If you would like to learn more about the GS1 Logger for Staff System elements you will find more details on the renewed website:



http://gs1logger.gs1hu.org/logger_for_staff/the-system.html