



GS1net User Guide ‘Cookbook’

**For Suppliers implementing and using GS1net in Australia
& New Zealand**

March 2010

Data Validation & Quality

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Document Version Control

Release	Nature of Change/Comments	Author
Mar 2010	Update community references from 'Australia' to 'Australia & New Zealand'.	M.Robb
Oct 2009	Initial Release	GS1 Australia

The GS1net service contains two validation stages in the process of loading your data into your GS1net catalogue.

1. GS1net Validator – Business rules validation
2. GS1net – catalogue context based rules validation

Validation Stage 1 - GS1net Validator (GREEN, AMBER, RED)

The first stage of validation is done in the GS1net Validator which checks upload files sent by suppliers against attribute requirements and business rules. The validator acts as a gateway to GS1net, in which business rules defined by the user community can be tested and validated against. All uploaded data on its way to GS1net will first go through the GS1net Validator; (online/GUI users are an exception to this) before proceeding on to GS1net.

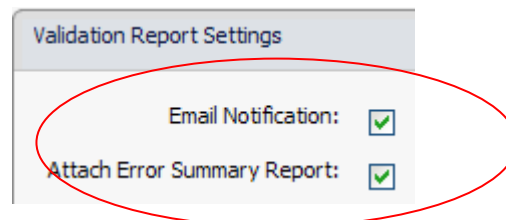
The GS1net Validator will provide a green, amber or red result in your validation report. Red is a fatal error, amber indicates warnings only and green is a successful validation. A green result means your data has triggered no errors or warnings and has been on forwarded to GS1net. An amber result means your data has triggered non fatal warnings and has been on forwarded to GS1net. A red result means at least some of your data has failed, the entire message has not been on forwarded to GS1net.

Many data attributes in GS1net are used in common by multiple industries. The business validation rules for any data attribute are applied uniformly, regardless of what industry you are in. This ensures that attributes are used consistently across industries.



Select the **Email Notification** and **Attach Error Summary Report** options to receive Validator emails with the Validator report attached (Amber or Red result).

To verify/update selections, select Validator options - Settings, Company Profile.



For information regarding the GS1net Validator and associated Business Validation Rules, refer to 'Validating Data' within the 'Supporting User Guides' section within the 'GS1net™ - Data Synchronisation Service' web page.

Validation Stage 2 - GS1net (Data Load Status Report - DLSR)

Whilst amber and green GS1net validator reports indicate your data has passed through the GS1net Validator and onto GS1net, it **DOES NOT** guarantee that your data has successfully loaded into GS1net. This is because there are further validations carried out by GS1net. GS1net applies context validations against your current catalogue contents, which may cause your load to fail. For example, you may have tried to load a GTIN record which refers to a lower level base unit GTIN which does not yet exist in your catalogue.

GS1net provides its own load report called a Data Load Status Report (DLSR).

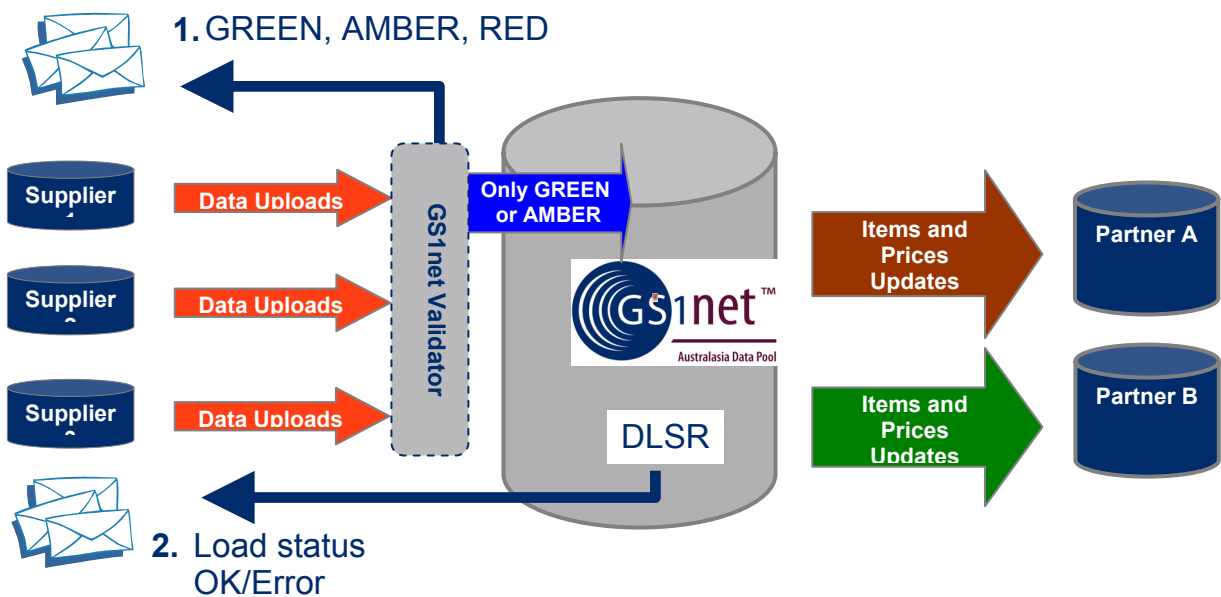


Only a successful DLSR can confirm that your data has been loaded into your catalogue.

Below is a diagram of the high level architecture of where the two stages of validation take place:

1st at the GS1net Validator - only green or amber flagged validations are forwarded to GS1net

2nd at GS1net where the Data Load Status Report (DLSR) confirms the success of the load.



Data Quality

GS1net validation alone cannot guarantee data quality and integrity. Only suppliers can, and should control correct product description, classification, prices etc., the service itself cannot correct or calculate these.

It is up to suppliers to put in place their own validation processes to ensure not only the initial catalogue load, but ongoing catalogue maintenance is done in an accurate and timely manner. It is important that the business understands that the internal data you are working from is now going external to your trading partners and will form the basis of your business transactions; it has to be accurate, complete and timely.



Suppliers can request a full or partial catalogue download to check what is in their GS1net catalogue.

GS1net users who have elected to use a GS1net certified product can elect to validate their data against the full set of GS1net business rules locally, in their GS1net Certified Product software. Your upload will still go via the GS1net Validator on its way to GS1net as this is the upload route that every load file takes.

You may be able to implement further validations, over and above those defined by the GS1net community in the defined set of business rules. Such validations would be specific to your product range and the constraints that exist on data fields and on the relationships between fields that you may want to control.