



GS1net Validator

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

March 2012

GS1net Validator – User Guide

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Mar 2012	Add notes on the new 'Purple' report status Updated reference from 'Client Service' to 'Services Support' Updated 'Useful Links' section Formatting changes	GS1 Australia
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1.0 Introduction

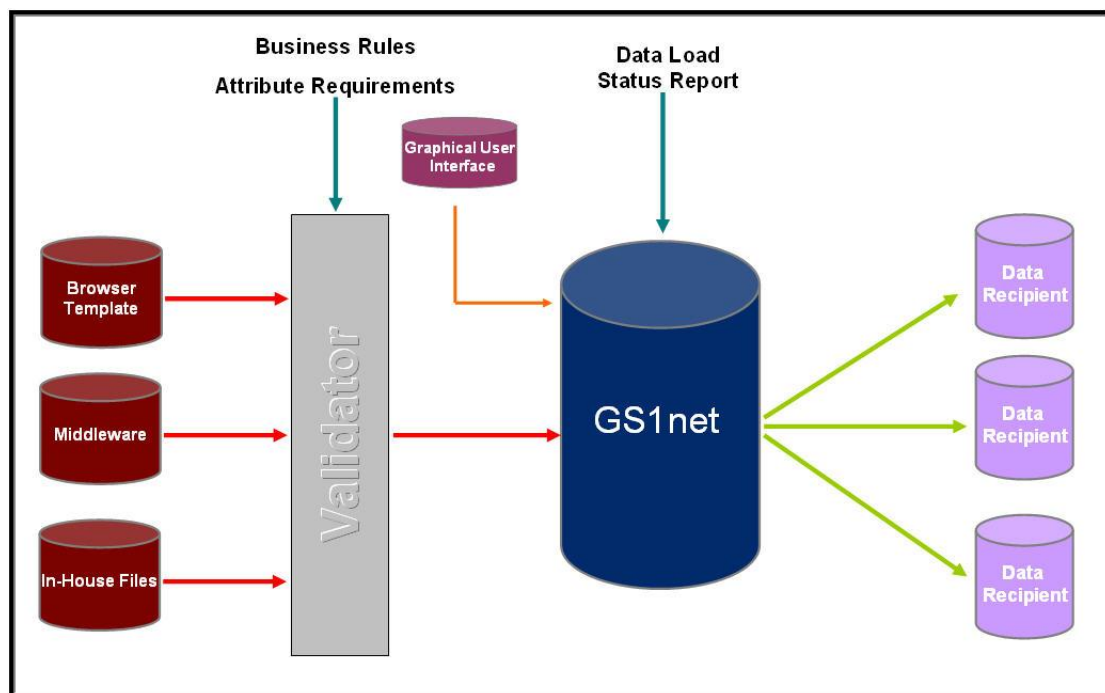
1.1 Purpose

This document is designed to be a reference for suppliers using the GS1net Validator. The information contained in this document will provide assistance on how to use, review and understand the GS1net Validator and the validation reports. Special attention should be given to the Notes and Tips throughout this document.

2.0 GS1net Validator

2.1 Introduction

The purpose of the GS1net Validator is to validate data sent by suppliers against attribute requirements and business rules. The validator acts as a gateway to GS1net with the core responsibility to validate all item and price data uploaded to GS1net. This will ensure that valid information is sent to GS1net for data load processing and subsequently synchronised with data recipients.



A separate login is required to use the Validator. Validator login details are provided to users during the initial GS1net registration stage. If you have not received your Validator login details or you have misplaced the relevant details, please contact the GS1net Services Support Team.

All data being uploaded onto GS1net will go through the GS1net Validator (online/GUI users are an exception to this). If an online user would like their data validated against the business rules, they can contact their Services Support Advisor (SSA) for an OFFLINE validation.

NOTE The data is validated against the requirements of the relevant industry you belong to. Companies may have their data validated against one or more industries.

2.2 Accessing the GS1net Validator

There are two ways of accessing the GS1net Validator:

(1) **Accessing the following website:** <https://gs1netvalidator.com.au/>

Or

(2) **Accessing the GS1net Validator via GS1net**

The first step would be for you to log onto GS1net. Once you are on the Main Menu screen select 'Upload File for Item Loading'.



This will open a new window requesting your login details for the GS1net Validator.

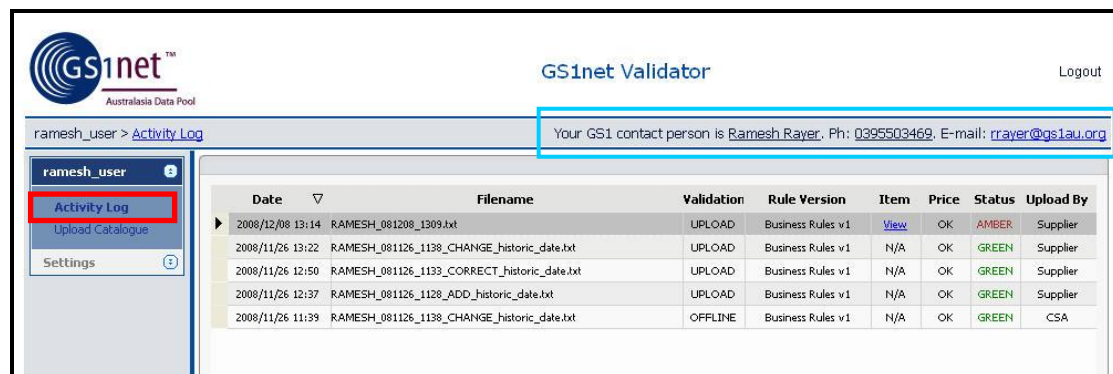


The image shows a screenshot of a login and password change interface for the GS1net Validator. The interface is divided into two main sections. The top section is titled "Signin to the GS1net Validator" and contains two input fields: "Username:" and "Password:". To the right of the "Password:" field is a "Sign in" button. Below the "Password:" field is a blue hyperlink that says "Forgot my password". The bottom section is titled "Change your password" and contains two input fields: "New Password:" and "Confirm Password:".

NOTE Users will be sent a temporary password via email if they click on 'Forgot my password' or if the user enters the wrong password for their username 3 times. When the user subsequently enters the temporary password the Validator will give the 'expired password, must enter a new one' message. The user will need to enter their chosen password in the bottom two boxes 'New Password' & 'Confirm Password' on the screen (refer to the above screen capture), as well as **re-entering** the temporary password below their username.

2.3 Activity Log

The GS1net Validator will open in the Activity Log screen. The Activity Log screen will list all current and past validator upload reports.



TIPS The contact details for your GS1net Services Support Advisor (SSA) can be found at the top of the validator screen.

The Activity Log will contain the following information:

Header	Description
Date	The date and time the file reached the GS1net Validator.
Filename	The name of the file that was uploaded. Can be 'N/A' for some Middleware files.
Validation	The type of validation is usually 'UPLOAD' (Validate and Upload Data to GS1net) or 'OFFLINE' (Validate data only). Offline validation can be performed by your SSA.
Rule Version	The rule set your data was validated against. In most cases this will be 'Business Rules v1'
Item	Validation status of the item data. 'View' is displayed if there are any Warnings or Errors in the data. To look at the validation report click 'View'. If the Item data did not encounter any business rule violations, 'OK' is displayed. NOTE If the file does not contain any item data, 'N/A' is displayed.
Price	Validation status of the price data. 'View' is displayed if there are any Warnings or Errors in the

	<p>data. To look at the validation report click 'View'. If the price data did not encounter any business rule violations, 'OK' is displayed.</p> <p>NOTE If the file does not contain any price data, 'N/A' is displayed.</p>
Status	The status of the validation report is determined by Colour (Green, Amber, Red & Purple), see table below.
Upload By	Lists the person who submitted the data for validation. Either the 'Supplier' (you) or your 'SSA'.

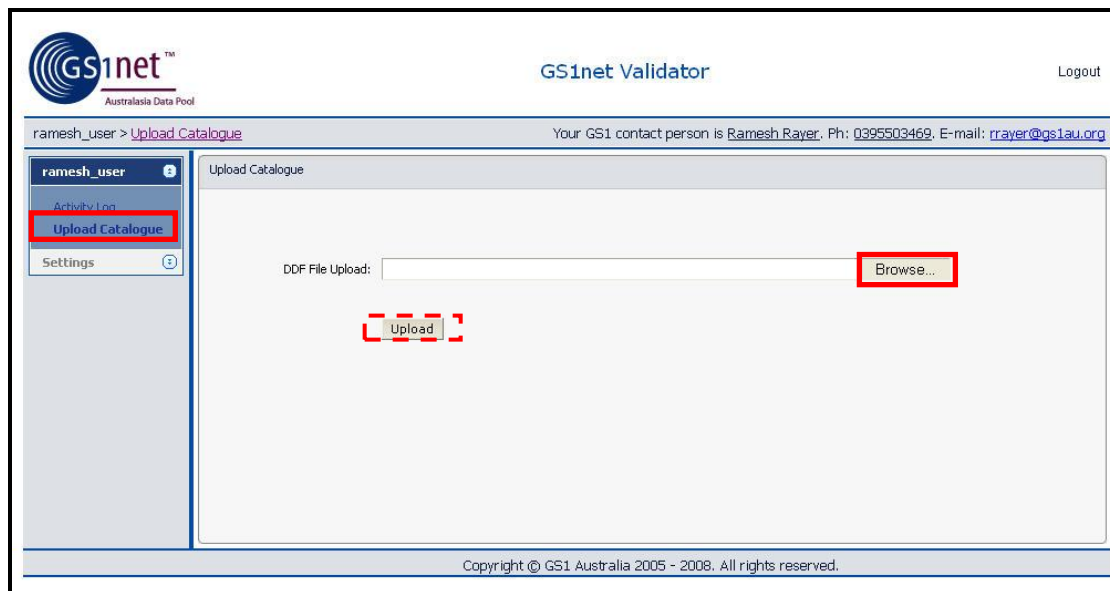
The following table describes the different validation report status:

Status	Description
Purple	<p>The Purple status report notifies the user that there are configuration errors within the data. Eg; Invalid date format, non-numeric data within a numeric field.</p> <p>NOTE Block Errors for a field that has flagged a Purple status will not display until Purple Errors are corrected first.</p>
Red	<p>The Red status report notifies the user that the data contains 'Block Errors'. A block error will prevent (block) the data file from being sent to GS1net for upload. Users must resolve all block errors.</p>
Amber	<p>The Amber status report notifies the user that that there are business rule validation errors or warnings within the data file. Users will need to review these errors and warnings, and correct the data as required. If changes are made a new data file is produced and resubmitted for validation. An Amber report will not prevent the data file from being sent to GS1net.</p> <p>NOTE The Data Load Status Report (DLSR) on GS1net must be reviewed to ensure the uploaded file was processed successfully.</p>
Green	<p>A Green status report notifies the user outlines that there are no business rule validation errors. The data file will upload to GS1net for processing.</p> <p>NOTE The Data Load Status Report (DLSR) on GS1net must be reviewed to ensure the uploaded file was processed successfully.</p>

NOTE The GS1net Validator validates Item and Price files separately in the validator, even if a file contains both item and price data. This will result in two separate (item & price) status reports being sent to the user.

2.4 Uploading Data through the Validator

Companies uploading a Delimited Data File (DDF) directly through the validator need to select 'Upload Catalogue' from the menu option on the left hand side of the page.



The next step is to click on 'Browse' and select the relevant file for uploading. Once you have selected the file click 'Upload' to upload the file.

NOTE Middleware users may not need to upload data via the online GS1net Validator. Several middleware solutions upload their data files in the background which automatically pass through the GS1net Validator. For more information contact your middleware provider.

2.5 Validator Report

A validation report is generated after each upload. The Validator report will contain any warnings, errors or block errors represented in the data and these can be viewed through the Validator or through a text file which is sent to the account holders email address. In order to receive this file you will need to activate this option in the company profile section of the Validator settings. The status reports (Green, Amber, Red & Purple) are emailed to the validator account holder (if selected, the validator report will be attached to this email). An example of an email status report and validator report are provided below:

[RED] GS1net Validation Report

Supplier Name: GS1net Workshop
 Date of Upload: 7 October 2008
 Time of Upload: 09:20
 Filename: WORKSHOP_081007_0919.txt
 File Size: 12.27 KB
 Status: Block Error(s) found.

If you uploaded a DDF with item and price data, you will get two email validation report, one for item validation and one for price. If either has a Red status, the whole item and price DDF is blocked.

Summary

Your current Client Services Adviser is Ramesh Rayer, 0395503469, rrayer@gs1au.org.
 2 items out of 3 items uploaded contain error(s) / warning(s).
 To login to the GS1net Validator and view the full Validation Report, [click here](#).
 To access the product directly on GS1net, [click here](#).

[DISCLAIMER]

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Email Validator Report

Validation Report: WORKSHOP_081113_1422.txt - Supplier - Upload - Business Rules v1
 < - -> symbol indicates no data collected; may or may not be reported in the file.

globalTradeItemNur	tradeItemUnitDescri	tradeItemDescriptio	tradeItemGroupIdei	additionalTradeItem	quantityOfLayersPe	palletDepth	palletGrossWeight	palletHeight	palletNetWeight
0934444004394	BASE_UNIT_OR_EACI	Munchies Budget Cookie < - ->	123456		14	1165	151.92	780	101.92
0934444004400	BASE_UNIT_OR_EACI	Munchies Budget Cookie < - ->	123456		14	1165	151.92	780	101.92
0934444004387	BASE_UNIT_OR_EACI	Munchies Budget Cookie < - ->	123456		< - ->	< - ->	< - ->	< - ->	< - ->

[View Validation Report Grid](#)

Error Summary

Error Summary: 3 items out of 3 items uploaded contain error(s)/warning(s)

Comments:

Add Comment:

InvalidDataType - isTradeItemADespatchUnit (Block Error)

Occurrences: 2
 Action Required: Invalid data type is provided.

Comments:

GTINs: [0934444004394](#)
[0934444004400](#)

350-G113-002 (Warning)

Occurrences: 2
 Action Required: This GTIN has been flagged as a DESPATCH unit. The Pallet Net Weight would normally be provided if the item is palletised for storage or distribution

Online Validator Report

NOTE An upload containing configuration or block errors (Purple and Red status reports) will not have any of its data loaded onto GS1net. For example, a file containing 100 GTINs may only have one GTIN with a configuration/block error. This will prevent all 100 GTINs from loading onto GS1net. Uploads containing a Green or an Amber report will have its data loaded onto GS1net.

The GS1net Validator acts as a simple gate; it is designed to allow a file to pass through to GS1net or to hold the file. It is not designed to adjust the file in any way to remove failed data.

The Validator report is structured into four tiers: Validation Report Grid, Error Summary, Validation Rules Error Summary, Validation GTIN Error Summary.

Your GS1 contact person is [Justin Middleton](#), Ph: 95503444, E-mail: jmiddleton@gs1au.org

Validation Report: trainsp2test.txt - CSA - OFFLINE - Business Rules v1
<- -> symbol indicates no data collected; may or may not be reported in the file.

globalTradeItemNum	tradeItemUnitDescr	tradeItemDescription	tradeItemGroupIde	additionalTradeItem	packagingTypeCode	palletDepth	palletWidth	targetMarketCo
19310272345180	CASE	NIMBIN CHEESE X 50	<- ->	300022	BOX	1140	1169	036
19341661345184	CASE	NIMBIN NATURAL CH	<- ->	34518	BOX	1140	1169	036

[View Validation Report Grid](#)

Error Summary
Error Summary: 2 items out of 4 items uploaded contain error(s)/warning(s)
Comments:

Add Comment:

Validation Rules Error Summary
350-G110-003 (Block Error)
Occurrences: 2
Action Required: The GS1 Standard for Product Measurement states that Pallet width MUST be less than, or equal to, Pallet depth.

Comments:

GTINs: [19341661345184](#)
[19310272345180](#)

350-G111-001 (Warning)
Occurrences: 2

Validation GTIN Error Summary
GTIN: **19341661345184**
Errors:
[150-006-002 \(Warning\)](#) Item is flagged as CASE, therefore Packaging Type Code would normally be CARTON (CTN)
[350-G111-001 \(Warning\)](#) The PALLET DEPTH is usually between 1160mm and 1180mm
[350-G110-003 \(Block Error\)](#) The GS1 Standard for Product Measurement states that Pallet width MUST be less than, or equal to, Pallet depth.
[175-007-002 \(Warning\)](#) Item is flagged as CASE, therefore Packaging Material Code would normally be Fibreboard (37)
[150-006-002 \(Warning\)](#) Item is flagged as CASE, therefore Packaging Type Code would normally be CARTON (CTN)

GTIN: **19310272345180**
Errors:
[350-G111-001 \(Warning\)](#) The PALLET DEPTH is usually between 1160mm and 1180mm
[350-G110-003 \(Block Error\)](#) The GS1 Standard for Product Measurement states that Pallet width MUST be less than, or equal to, Pallet depth.
[175-007-002 \(Warning\)](#) Item is flagged as CASE, therefore Packaging Material Code would normally be Fibreboard (37)
[150-006-002 \(Warning\)](#) Item is flagged as CASE, therefore Packaging Type Code would normally be CARTON (CTN)

Validation Report Grid

The Validator Report Grid displays the GTINs that have flagged a warning or error. The GS1net Validator will only render information that is relevant to the errors or warnings it has flagged. There will always be 6 fixed columns displayed to assist you in troubleshooting the problem:

- Global Trade Item Number (GTIN)
- Target Market Country Code (Indicates the country where information is provided)
- Trade Item Unit Description (BASE_UNIT_OR_EACH, CASE etc)
- Trade Item Description (Description of the Product)
- Trade Item Group Identification Code (Product Group GTIN belongs to)
- Additional Trade Item Identification Value (Internal reference number)

NOTE The symbol <---> is used within the Validation Report Grid. This symbolises that data may exist within the file but the Validator did not deliver it as the business rules applicable to this field were not triggered.

TIPS You can sort any of the columns by simply clicking on the Column Header. If the Validation Report Grid is difficult to view, you can click on 'View Validation Report Grid'. This will open the report grid in a new expanded window.

Error Summary

This is a summary of the number of GTINs within a file and the amount that triggered a business rule. The GS1net Validator only displays content related errors/warnings and as a result, GTINs that do not trigger any Business Rules will not be displayed. This is why the Error Summary is displayed on every Validation Report.

Eg. 131 of 142 items uploaded contain error(s)/warnings(s)

Validation Rules Error Summary

All business rules generated by the report are displayed. A summary list of GTINs will be listed below each business rule including the number of occurrences (max 5).

Validation GTIN Error Summary

All GTINs containing errors/warnings will be displayed followed by each business rule that was flagged.

NOTE The Validator produces validation reports which are separate from the Data Load Status Report (DLSR) produced by GS1net. Users need to review both validation reports and associated DLSR reports after each upload has taken place. The DLSR will only appear once the file has been processed through the Validator and on GS1net. Please allow 30mins to 2hrs for a typical upload to be fully processed onto your GS1net catalogue. Suppliers must ensure that all GTINs on the DLSR have been successfully processed.

2.6 Settings

For those users wishing to review or amend your current validator settings select 'Settings' from the menu option.

The screenshot shows the 'Company Profile' settings page in the GS1net Validator. The page is titled 'GS1net Validator' and 'Australasia Data Pool'. The user is logged in as 'ramesh_user'. The 'Settings' menu item is highlighted in red. The 'Company Profile' section is active, showing 'General Settings' and 'Validation Report Settings'. The 'General Settings' section displays: Company Name: Ramene, Alias: RAMESH, and GLN: 9377779184295. The 'Validation Report Settings' section displays: Email Notification: , Attach Error Summary Report: , and Display Settings: 20 Reports. There are 'Update' and 'Cancel' buttons at the bottom of the settings area. The footer contains the text: Copyright © GS1 Australia 2005 - 2009. All rights reserved.

The 'Company Profile' option allows the user to select if they want to receive an email notification of the validation report, whether the Error Summary Report is to be attached to the email sent to the account holder and the number of reports that is to be displayed in the Activity Log (Display Settings).

TIPS We recommended that you leave your original settings unchanged.

The screenshot shows the 'My Profile' settings page in the GS1net Validator. The page is titled 'GS1net Validator' and 'Australasia Data Pool'. The user is logged in as 'ramesh_user'. The 'My Profile' menu item is highlighted in blue. The 'My Profile' section is active, showing fields for: Username: ramesh_user, Contact Name*: Ramesh Rayer, Contact Number*: 0395503469, Email*: rraye@gs1au.org, and Note: N/A. There is a 'Change Password' button highlighted in red. There are 'Update' and 'Cancel' buttons at the bottom of the settings area. The footer contains the text: Copyright © GS1 Australia 2005 - 2008. All rights reserved.

The 'My Profile' option (above) allows the users to edit their own contact details. This is good practice when passing over the GS1net duties to another staff member within your business. You can include multiple email addresses to receive the validator email notifications, this is done by using a semi-colon (;).

TIPS We recommend users set up a group email (mailbox) on your internal server. This will assist with the management of the validator email notifications.

Users wishing to change their password can select 'Change Password'. A new dialogue box will appear requesting you to enter your current password, new password and confirming your new password again. The password length must exceed 4 characters. Select 'OK' when you have amended your password.



The image shows a 'Change Password' dialog box. It has a title bar with the text 'Change Password'. Inside the dialog, there are three text input fields. The first is labeled 'Current Password:', the second is labeled 'New Password:', and the third is labeled 'Confirm New Password:'. Below the input fields are two buttons: 'Ok' and 'Cancel'.

3.0 How Is Your Data Being Validated?

3.1 Forms of Validation

The GS1net system is a Global Data Synchronisation Network (GDSN) certified database and has standardised validation rules. GS1 Australia & GS1 New Zealand is not directly able to change these rules. However, GS1 does include value added rules through our validator and solution provider products.

There are three forms of validation which a users data may encounter; the validator, middleware, and GS1net. Certain rules will be consistent through each form of validation, while other rules may only apply to one or two of these validation avenues. The following matrix will outline the different types of validation rules and where the actual validation will take place:

Validation Rules	Description	Middleware	Validator	GS1net
1	Rules are consistent across Validator, Middleware and GS1net	✓	✓	✓
2	Validator cannot enforce rule because it is catalogue context-related	✓	✗	✓
3	Validator and Middleware cannot enforce rule because it is related to the transactional status on GS1net	✗	✗	✓
4	Business Rule is not a GS1net Validation	✓	✓	✗
5	Business Rule is not a GS1net Validation, but is also catalogue context-related so cannot be checked by Validator	✓	✗	✗

NOTE This does mean that a file can pass one validation but fail at the last point.

4.0 Frequently Asked Questions

Q. Can we have more than one user account for the GS1net Validator?

There is only one user account per company registered on GS1net. The username and password is intended to be shared throughout the business.

Q. Why have I not received a notification email after uploading data via the Validator?

There are a number of reasons why an email notification may not have been received. The reports will be sent to the email address configured in the validator settings. This may have been set up for another staff member or for a different email address to the one you are using. To amend these details refer to section 2.6 (Settings). The email notification could have also been trapped by your spam filters. Review your spam/junk mailbox for any of the email notifications. The size of your upload file may also result in a delayed notification email. Wait at least 30 minutes before addressing this issue further. If you are still unable to receive notification emails after uploading data, contact GS1net Services Support.

Q. Why is my validation report taking so long to load and how can I view the list of issues with my data?

The validation report may take a considerable amount of time to load if you have uploaded a large file. If a validation report is not generated within 30 minutes contact GS1net Services Support. They will be able to either send you the list of issues with your catalogue data or provide assistance in breaking up the loaded file.

Q. My validation report showed a status of GREEN/AMBER, does this mean that my data will definitely load onto GS1net?

A status of GREEN/AMBER does not mean that your data will definitely load onto GS1net. The validator cannot check the file loaded against the data currently on GS1net. No matter what the status of your validation report is, you must ensure that you log onto GS1net and check the Data Load Status Report (DLSR).

Q. My validation report contains a PURPLE or RED Status. Does this mean that the whole file is blocked or just the GTIN in question?

If a PURPLE or RED status is shown, the whole file (Item/Price) is blocked by the GS1net Validator.

FAQ's for Middleware Users

Q. Do I need to log into the GS1 Validator if I am using a certified middleware solution?

Yes you do under certain circumstances. It is important that you receive and also review the email validation report generated from the GS1net Validator. If your report shows a green or amber message, there is no action required. However if your report is Purple or Red, you will need to log into the GS1net Validator and review the validation report. It is important that you action the changes, and then reload your data to GS1net.

Q. What happens if my report shows a Purple or Red error, can I just resend the same file again?

In most cases, you will need to rectify the data issues in your middleware and re-load the files to GS1net. NOTE: your solution provider and GS1net Services Support can assist you if you need to urgently get a blocked data file through to GS1net.

Q. If I receive a Green or Amber validation report, does this mean that the upload to GS1net was successful?

The upload will definitely reach GS1net. However, the GS1net Validator only provides validation on the data being uploaded. Once your data file is received by GS1net, it needs to reference the changes across your entire catalogue structure online. It is important that you review your Data Load Status Report (DLSR) to ensure your data has been loaded successfully.

Q. Are the validation rules in the GS1 Online Validator the same as our certified middleware software?

The validation rules within your certified middleware tool are aligned to the GS1net Validator. However, because your entire catalogue resides within your middleware tool, additional validation rules also check product hierarchies and cross catalogue relationships.

Q. How are the validation rules updated?

GS1 Australia are responsible for creation and management of the validation rules within the GS1net Validator. These rules are shared and clarified with solution providers as part of the certification program to ensure the alignment between the GS1net Validator and certified middleware tools.

5.0 Useful Links

GS1 Australia / New Zealand

Aust: <http://www.gs1au.org/>

NZ: <http://www.gs1nz.org/>

GS1net Section on Website

Aust: <http://www.gs1au.org/services/gs1net/>

NZ: <http://www.gs1nz.org/gs1net.php>

GS1net Validator

<https://gs1netvalidator.com.au/>

Business Validation Rules

<http://www.gs1au.org/services/gs1net/technical/>

[October 2011]

☐ **Validating Data**

How do I use the GS1net Validator? What are the validation rules my data must comply with? What are the fatal errors contained in the validation rules?

- [User Guide - GS1net Validator](#) [October 2009]
Your data will be processed by the GS1net Validator on its way to loading into GS1net. This document contains all the information required to access and manage the GS1net Validator.
- [Business Validation Rules](#) [January 2012]
Community defined validation rules, executed on your data as it is loaded via the GS1net Validator. See which fields are affected by which rules. Unlike further validations which are executed by GS1net itself, these rules are not context specific i.e. do not take into account what data is already in your GS1net catalogue.

Data Recipient and Industry Sector Requirements

<http://www.gs1au.org/services/gs1net/technical/>

Loading and Maintaining Data

☐ **Your Target Data Set**

- [Your Target Data Set](#) [December 2011]

GS1net Services Support

Aust: <http://www.gs1au.org/services/gs1net/support.asp>

NZ: http://www.gs1nz.org/contact_us.php