

<b>Title</b>	<b>National Product Catalogue Validator</b>
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<b>Access</b>	<b>Restricted to NPC Subscribers</b>



## Document Purpose

This document is designed to be a reference for M2M suppliers and Certified Product Partners using the National Product Catalogue Validator (hereafter: Validator). The information contained in this document will assist users on how to use, review and understand the Validator and the validation reports. Special attention should be given to the *Notes* and *Tips* throughout this document.

## Document control

### Document version and change history

Version	Date	Nature of change / comments	Editors
2.00	11/2018	<p>Migrated document to GS1 document template</p> <p>Updated document content according to current NPC Validator requirements</p>	K.Lai
Previous versions	N/A	<p>Removed all references to GS1net where applicable</p> <p>Made corrections where applicable to indicate that a Data Load Report is only sent when errors have been encountered on the National Product Catalogue.</p> <p>Replaced the term GS1net Validator with National Product Catalogue (formerly GS1net) Validator or Validator where applicable.</p> <p>Updated hyperlinks where applicable.</p> <p>Update link to Business Validation rules document</p> <p>Add notes on the new 'Purple' report status</p> <p>Updated reference from 'Client Service' to 'Services Support'</p> <p>Updated 'Useful Links' section</p> <p>Formatting changes New Validator login screen was inserted with additional notes.</p> <p>New Company profile screen was inserted with an explanation of the new email notification function.</p> <p>Several phrases throughout the document have been reworded.</p>	N/A

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## Disclaimer

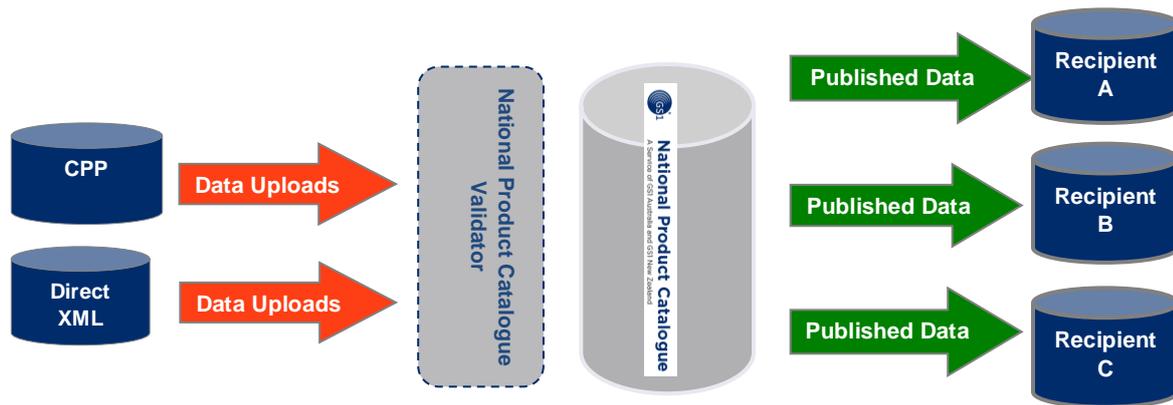
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## 1.0 Introduction

The purpose of the Validator is to validate data sent by suppliers against data requirements and business rules from data recipients. The Validator acts as a gateway to the National Product Catalogue with the core responsibility to validate all item and price data uploaded by either suppliers using a Certified Product Partner (CPP)'s application or sending XML files directly to the National Product Catalogue. This will ensure that valid information is for data load processing and subsequently synchronised with data recipients.



A separate login is required to use the Validator. For M2M (machine to machine) users, validator login details are provided to users during the initial National Product Catalogue registration stage. If you have not received your Validator login details or you have misplaced the relevant details, please contact the National Product Catalogue Administration Team on [npc@gs1au.org](mailto:npc@gs1au.org)

**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.

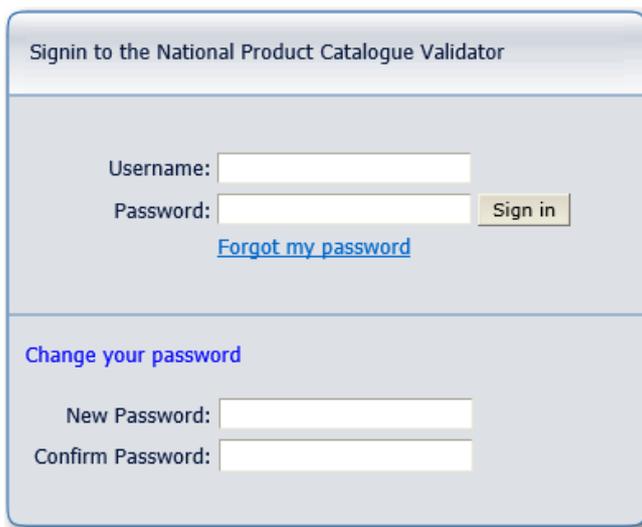
**Note:** Publisher UI users will not need a separate login to use the Validator. The Publisher UI already offers the same instant validation as user populate the data.

## 2.0 Accessing the National Product Catalogue Validator

The validator can be accessed via the following hyperlink:

<https://gs1validator.com.au>

It is highly recommended to use Internet Explorer. Other browsers may have compatibility issues.



Signin to the National Product Catalogue Validator

Username:

Password:

[Forgot my password](#)

[Change your password](#)

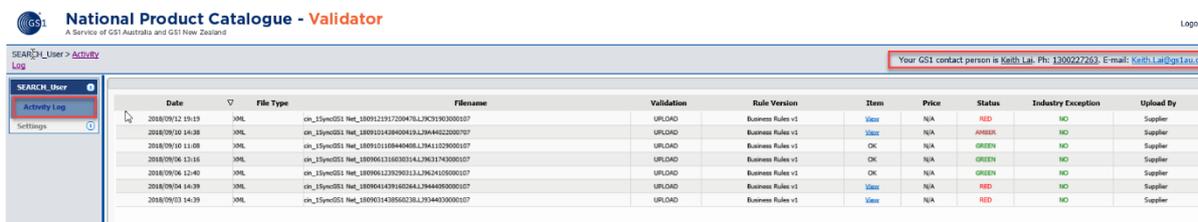
New Password:

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.

## 2.1 Activity Log

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



**National Product Catalogue - Validator**  
A Service of GS1 Australia and GS1 New Zealand

Your GS1 contact person is Keith Lai. Ph: 1300227263. E-mail: Keith.Lai@gs1au.org

Date	File Type	Filename	Validation	Rule Version	Item	Price	Status	Industry Exception	Upload By
2018/09/12 15:13	XML	ch_15sync051_Nat_180912197220470_L2951930000107	UPLOAD	Business Rules v1	View	N/A	RED	NO	Supplier
2018/09/10 14:38	XML	ch_15sync051_Nat_1809101430804018_L2944022000707	UPLOAD	Business Rules v1	View	N/A	AMBER	NO	Supplier
2018/09/10 11:08	XML	ch_15sync051_Nat_1809101108404018_L29411029000107	UPLOAD	Business Rules v1	OK	N/A	GREEN	NO	Supplier
2018/09/06 13:16	XML	ch_15sync051_Nat_1809061130230114_L29631743000107	UPLOAD	Business Rules v1	OK	N/A	GREEN	NO	Supplier
2018/09/04 12:40	XML	ch_15sync051_Nat_1809041123230113_L29621410000107	UPLOAD	Business Rules v1	OK	N/A	GREEN	NO	Supplier
2018/09/04 14:39	XML	ch_15sync051_Nat_18090414391402041_L2944493000107	UPLOAD	Business Rules v1	View	N/A	RED	NO	Supplier
2018/09/03 14:39	XML	ch_15sync051_Nat_1809031439030238_L2934403000107	UPLOAD	Business Rules v1	View	N/A	RED	NO	Supplier

**Tips:** The contact details for your NPC Customer Support Advisor 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 Validator.
Filename	The name of the file that was uploaded. Can be 'N/A' for some CPP uploaded files.
Validation	The type of validation is usually 'UPLOAD' (Validate and Upload Data to the National Product Catalogue) or 'OFFLINE' (Validate data only). Offline validation can be performed by your CSA.
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. <b>Note:</b> 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 data. To look at the validation report click 'View'. If the price data did not encounter any business rule violations, 'OK' is displayed. <b>Note:</b> If the file does not contain any price data, 'N/A' is displayed.
Status	The status of the validation report is determined by Colour (Green, Amber, Red & Purple), see table below.
Industry Exception	If item industry validation is used in the item upload, the status will show 'YES'. With suppliers providing data to cross industries, indicating the item industry in the item upload will ensure it is validated only against that particular industry. This will avoid triggering irrelevant validation rules that are requirements from other industries.
Uploaded By	Lists the person who submitted the data for validation. Either the 'Supplier' (i.e. you) or 'DSA' (i.e. your GS1 Customer Support Advisor)

The following table describes the different validation report status:

Status	Description
Green	A Green status report notifies the user outlines that there are no business rule validation errors. The data file will upload to the National Product Catalogue for processing. <b>Note:</b> The Validator Green status means the item upload meets industry business rule validation only. It doesn't validate against all GDSN standard rules.
Red	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 the National Product Catalogue for upload. Users must resolve all block

	errors.
Amber	<p>The Amber status report notifies the user 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 the National Product Catalogue.</p> <p><b>Note:</b> If any errors have been encountered, the Data Load Report from the National Product Catalogue must be reviewed to determine what needs to be corrected.</p>
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><b>Note:</b> Block Errors for a field that has flagged a Purple status will not display until Purple Errors are corrected first.</p>

The Validator validates item and price files separately, 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.

## 2.2 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:

**[GREEN] National Product Catalogue Beta Validation Report**

Supplier Name: NPC BETA Heartbeat 2 Publisher  
 Date of Upload: 21 September 2018  
 Time of Upload: 09:02  
 Filename: Beta-SystemHB-PSD\_20180921090010.xml  
 File Size: 5.25 KB  
 Status: No Error(s) found.

**Summary**

Your current Data Services Advisor is Mike Lee, 0395503456, [mike.lee@gs1au.org](mailto:mike.lee@gs1au.org).  
 0 price types out of 1 price types uploaded contain error(s) / warning(s).  
 To login to the National Product Catalogue Beta Validator and view the full Validation Report, [click here](#).  
 To access the product directly on the National Product Catalogue Beta, [click here](#).

[DISCLAIMER]

CONFIDENTIALITY/DISCLAIMER: The contents of this e-mail are confidential and are not to be regarded as a contractual offer or acceptance from GS1 Australia. delete it, and should inform the sender. GS1 Australia disclaims liability for accuracy or completeness, and opinions expressed are those of the author alone. GS1

### Email Validation Report

If there is a status of RED, AMBER or PURPLE, the validation report can also be viewed by logging into the Validator.

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.

globalTradeItemNum	tradeItemUnitDescr	tradeItemDescriptio	tradeItemGroupIde	additionalTradeItem	quantityOfLayersPe	palletDepth	palletGrossWeight	palletHeight	palletNetWeight
09344444004394	BASE_UNIT_OR_EAC	Munchies Budget Cookie < - - >	123456		14	1165	151.92	780	101.92
09344444004400	BASE_UNIT_OR_EAC	Munchies Budget Cookie < - - >	123456		14	1165	151.92	780	101.92
09344444004387	BASE_UNIT_OR_EAC	Munchies Budget Cookie < - - >	123456		< - - >	< - - >	< - - >	< - - >	< - - >

[View Validation Report Grid](#)

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**Error Summary**

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

Comments:

Add Comment:

Add

---

**InvalidDataType - isTradeItemADespatchUnit (Block Error)**

Occurrences: 2

Action Required: Invalid data type is provided.

Comments:

Add

GTINs: [09344444004394](#)  
[09344444004400](#)

**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

**Important:** An upload containing configuration or block errors (Purple and Red status reports) will not have any of its data loaded onto the National Product Catalogue. 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 the National Product Catalogue. Uploads containing a Green or an Amber report will have its data loaded onto the National Product Catalogue.

**Important:** The National Product Catalogue Validator acts as a simple gateway ensuring the item and price uploaded meets business and data requirements before it is loaded to the National Product Catalogue. It is not designed to hold any files or data uploaded nor adjust it in any way to remove failed data.

The Online 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](mailto:jmiddleton@gs1au.org)

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

globalTradeItemNum	tradeItemUnitDescr	tradeItemDescription	tradeItemGroupIdei	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:  
 Add  
 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)  
 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 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 Validator only displays content related errors/warnings and as a result, GTINs that do not trigger any Business Rules will not be displayed. Therefore, the Error Summary is displayed on every Validation Report.

### 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

### Validation GTIN Error Summary

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

## 2.3 Settings

Select Settings from the menu option to review or amend your current Validator settings



Settings > [Company Profile](#)

SEARCH\_User

- Settings
- Company Profile**
- My Profile
- Supplier Exemptions

### Company Profile

**General Settings**

Company Name: Search Catalogue for Migration  
Alias: SEARCH  
GLN: 9377778617022

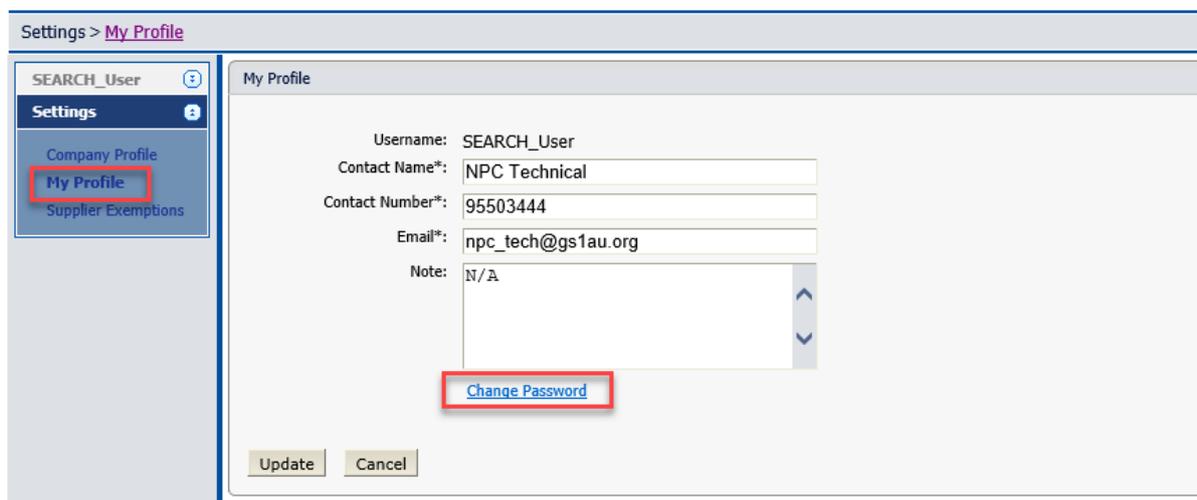
**Validation Report Settings**

Email Notification:   
Attach Error Summary Report:   
Display Settings: 30 Reports

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).

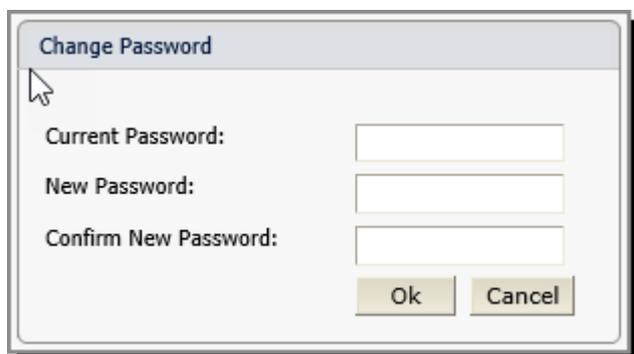
## National Product Catalogue - Validator A Service of GS1 Australia and GS1 New Zealand



The 'My Profile' option (above) allows the users to edit their own contact details. This is good practice when passing over the National Product Catalogue 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.



### 3.0 Forms of Validation

The National Product Catalogue system is a Global Data Synchronisation Network (GDSN) certified database and has standardised validation rules. GS1 Australia & GS1 New Zealand will create new rules and update existing rules depending on data recipient requests. However, GS1 does include value added rules through our validator and solution provider products.

There are three forms of validation which a user’s data may encounter; the validator, middleware, and the National Product Catalogue. 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 scenarios	Description	CPP software validation	Validator	National Product Catalogue
1	Rules are consistent across Validator, Middleware and the National Product Catalogue	✓	✓	✓
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 the National Product Catalogue	✗	✗	✓
4	Business Rule is not a National Product Catalogue Validation	✓	✓	✗
5	Business Rule is not a National Product Catalogue Validation, but is also catalogue context-related so cannot be checked by Validator	✓	✗	✗

**Important:** 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 Validator?**

There is only one user account per company registered on the National Product Catalogue. 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 several 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 2.3 (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 National Product Catalogue 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 National Product Catalogue Services Customer Support.

### **Q. My validation report showed a status of GREEN/AMBER, does this mean that my data will definitely load onto the National Product Catalogue?**

A status of GREEN/AMBER does not mean that your data will definitely load onto the National Product Catalogue. The validator checks that the data loaded meets data and business requirements for the AU and NZ community. The validator cannot check the file loaded against the data currently on the National Product Catalogue.

### **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 Validator.

## **FAQ's for Certified Product Partner users or direct XML users**

### **Q. Do I need to log into the Validator if I am using a certified product partner?**

Yes, you do under certain circumstances. It is important that you receive and review the email validation report generated from the 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 Validator and review the validation report. It is important that you action the changes, and then reload your data to the National Product Catalogue.

**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 reload the files to the National Product Catalogue. NOTE: the certified product partner and National Product Catalogue Customer Support can assist you if you need to urgently get a blocked data file through to the National Product Catalogue.

**Q. Are the validation rules in the Validator the same as the certified product partner's software?**

The validation rules within the certified product partner's software are aligned to the Validator. Certified product partner's software is certified by GS1 Australia through an extensive process to ensure all data attributes and business validation rules are included. However, because your entire catalogue resides within certified product partner's software, additional validation rules also check product hierarchies and cross catalogue relationships.

**Q. How are the validation rules updated?**

GS1 Australia is responsible for creation and management of the validation rules within the Validator. These rules are shared and clarified with solution providers as part of the certification program to ensure the alignment between the Validator and certified product partner's software.

If you have any further questions, please contact the NPC Customer Support Team on 1300 227 263 or email [NPCCustomerSupport@gs1au.org](mailto:NPCCustomerSupport@gs1au.org)

## Appendix A: Related documents

Resource	Location
NPC main page	<a href="https://www.gs1au.org/our-services/national-product-catalogue/">https://www.gs1au.org/our-services/national-product-catalogue/</a>
NPC Cookbook	<a href="https://www.gs1au.org/resources/how-to-guides/national-product-catalogue-user-guide-cookbook/">https://www.gs1au.org/resources/how-to-guides/national-product-catalogue-user-guide-cookbook/</a>
NPC Validator	<a href="https://gs1validator.com.au/">https://gs1validator.com.au/</a>