



GS1net User Guide ‘Cookbook’

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

February 2011

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GS1net User Guide - Version Control

(refer to section Version Control pages for additional detail)

Release	Nature of Change/Comments	Author
Feb 2011	<p>Item, Price & Code List data dictionary updates</p> <p>GS1 New Zealand - GS1net Ready™ Checklist revised</p> <p>Healthcare</p> <ul style="list-style-type: none"> - Diagrams and notes added to pricing case examples - Target Data Set update 	M.Robb
Nov 2010	<p>Target Data Set updates – for details, refer to the Version Control page within document 'GS1net Data Requirements'</p>	M.Robb
Oct 2010	<p>The following documents have been updated to incorporate the GDSN Maintenance Release 4 (MR4) changes, the release of requirements for Woolworths/Progressive and a number of industry specific attribute clarifications.</p> <ul style="list-style-type: none"> - Target Data Set - Item Data Dictionary - Price Data Dictionary - Code List Dictionary - GS1net Browser Template version - XML & DDF sample documents <p><i>For detailed release notes, please refer to the version control pages within the individual documents</i></p>	M.Robb
Aug 2010	<p>Minor change to headings for office supplies examples</p> <p>Item Data Dictionary</p> <ul style="list-style-type: none"> - Updates to example references for Office Supplies attributes - Code 'SETPACK' included within attribute 'Trade Item Hierarchy Level' 	M.Robb
July 2010	<p>Additional steps 16-18 added and updates to URL's within the GS1 New Zealand - GS1net Ready™ Checklist</p> <p>Enhancements to notes within the Item & Price Data Dictionaries</p> <p>Healthcare</p> <ul style="list-style-type: none"> - Updates to Healthcare worksheet within Target Data Set document <p>Office Supplies – new sector added</p> <ul style="list-style-type: none"> - Multiple component example - Setpack example 	M.Robb
May 2010	<p>Updates to Business Validation Rule document</p> <p>Amendments to Item Data Dictionary</p> <p>Update to GS1net Ready steps (Australia)</p> <p>Updated System Requirments section</p> <p>Healthcare</p> <ul style="list-style-type: none"> - Updates to Healthcare worksheet within Target Data Set document - Update to price data mapping example 	M.Robb
Mar 2010	<p>Update community references from 'Australia' to 'Australia & New Zealand' – All documents.</p> <p>Add GS1net Ready checklist for New Zealand suppliers</p>	M.Robb

	<p>Re-sequence of Item and Price attributes within Target Data Set document (all worksheets)</p> <p>Updates to Business Validation Rule document</p> <p>Amendments to Item and Price data dictionaries</p> <p>Hardware</p> <ul style="list-style-type: none"> - Updates to Hardware worksheet within Target Data Set document <p>Healthcare</p> <ul style="list-style-type: none"> - Notes on Vaccines added to Healthcare pricing section - Updates to Healthcare worksheet within Target Data Set document 	
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March 2010

GS1net Overview

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Audience

This document is designed to be the reference for all suppliers implementing and maintaining data in GS1net, including the National Product Catalogue (NPC) for healthcare. It is a central repository of and directory to (via links or references) all the relevant information required to successfully implement and maintain your GS1net/NPC catalogue. Suppliers should use the GS1net Services Support team throughout their GS1net journey.

Note that this document is not intended to be the only reference document for users who are:

- a) implementing an integrated solution directly from their back office systems to GS1net, or
- b) GS1net™ Certified Product providers developing/maintaining GS1net integration software

Whilst these users (in a and b) will find this document useful with respect to the overall choreography and user types involved in data synchronisation via GS1net, they should also liaise directly with GS1net Services Support to access more technical support and testing services.

The GS1net “Cookbook” is intended for Australian and New Zealand based suppliers supplying to Australian and New Zealand based Trading Partners.

What is GS1net?

GS1net is the data synchronisation solution for the Australian and New Zealand community. GS1net enables you to enter, validate, store and maintain all your product, pricing and other related trade information in a single location. You can then easily share this global standards-based information with the trading partners you work with, across all industry sectors, both in Australia, N.Z. and around the world.

GS1net is a **certified data pool** that is part of a global network, the **GS1 Global Data Synchronisation Network (GDSN)**, a powerful environment for secure and continuous synchronisation of accurate data.

n.b. For a glossary of terms, refer to section ‘GS1net Concepts and Key Terminology’

GS1 Australia & N.Z are working with members in more than eighteen industry sectors and GS1net is endorsed locally across more than five of these sectors including Supermarkets, Liquor, Healthcare, Automotive Aftermarket and Hardware. Many businesses in these sectors are seeing real business benefits delivered through using GS1net.

GS1net is underpinned by its user driven community – GS1 Australia and GS1 New Zealand members who have subscribed to the service and partake in user groups and other governance groups to drive the direction of development in partnership with GS1 Australia and GS1 New Zealand.

GS1net benefits for users

- GS1net provides a single channel for the maintenance and synchronisation of master data for all trading partners
- Increases the efficiency and accuracy of communicating information by removing the need for paper based “item submission” and “price change” forms
- Facilitates the adoption of industry based standards and uptake of the one standard process for providing item details to retailers and other data recipients.
- Provides a fundamental tool to enable accurate business-to-business electronic commerce transactions
- Help to reduce lost supplier and retailer sales, "Out of Stocks" and instances of excess stock levels caused by ordering errors
- Help to reduce ordering errors and costs associated with processing invoice reconciliation, credit claims and returns

- Allows for the identification and reduced occurrences of retail scanning of "unknown items"
- Helps prevent a reduction in supplier or retailer margins that are caused by incorrect pricing
- Helps eliminate the rejection of deliveries to stores or warehouses resulting from price discrepancies and incorrectly ordered/delivered items
- Provides access to images and dimensions for shelf space management
- Significantly reducing the time and cost of introducing new products into the market
- Will lead to an overall reduction in supply chain costs for both supplier and retailer

GS1net Lifecycle – annual releases and sub-releases

GS1net is part of the Global Data Synchronisation Network (GDSN) and as such users should plan for one significant GS1net release per year. In addition, GS1net users can expect one to two lower-impact releases, which are typically related to functionality improvements requested by our local community.

GS1 Australia and GS1 New Zealand are working hard to minimise any impacts of these releases, however, given the global (GDSN) nature of GS1net and additional local user requirements, this may not be always possible, especially if there are new features implemented that we would like to use.

User Types

The GS1net workflow involves two main user types and a third, less direct user type:

1. **Data Source or Supplier** – usually a manufacturer or importer; this is the catalogue owner who populates item and price master data into their GS1net catalogue. When discussing technical aspects of GS1net the term “Data Source” is often used. When referring to the commercial relationship the term “Supplier” is usually used.
2. **Data Recipient or Trading Partner** – this may be a Retailer or a Health Jurisdiction, a wholesaler or other type of business entity¹ which is a customer of suppliers on the system. When discussing technical aspects of GS1net the term “Data Recipient” is often used. When referring to the commercial relationship the term “Trading Partner” is usually used.
3. **GS1net Search & Download Users** – suppliers, data recipients as well as other registered users with access to the GS1net Local Registry of non-commercially sensitive data about products already out in the marketplace.

¹ excluding end consumers

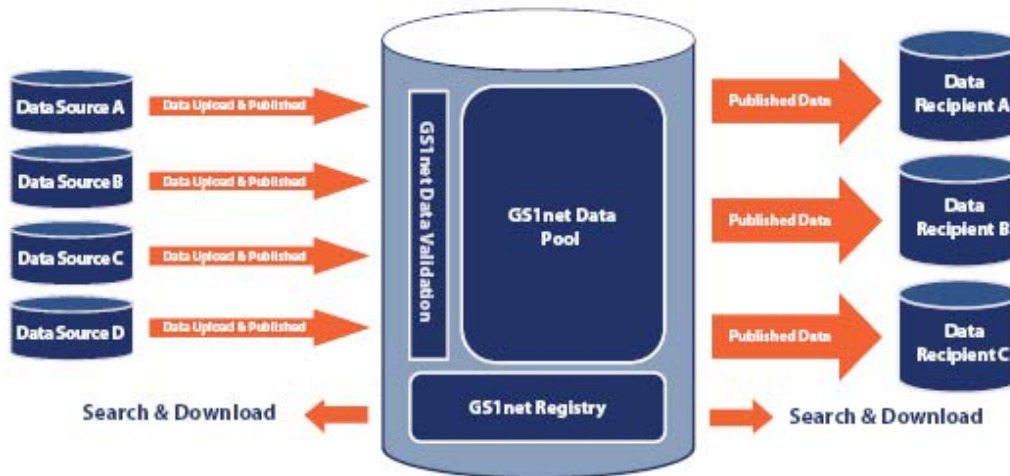


Fig. 1 – the main GS1net User Types – Data Source and Data Recipient

Fig. 1 above depicts, at a high level, Data Sources uploading and then publishing their data to Data Recipients. Published data is then accessible by those Data Recipients, however, each Data Recipient will choose how to access the data, whether manually or by subscribing to your data, which will automatically push it and enable synchronisation with that Recipient.

Wholesalers – a special type of user

Wholesalers are both suppliers to customers and customers of their suppliers and so will be both data source and data recipient user types on GS1net.

Whilst the Supplier section of this document is relevant to wholesalers in their supply capacity, it is recommended that wholesalers contact the GS1net Services Support team to map out the best way to function as both data source and recipient via GS1net.

GS1net Concepts and Key Terminology

This section contains useful terms and concepts that you need to know before starting your GS1net/NPC Project. There is a full glossary of terms later in this document.

ATTRIBUTE

A piece of information reflecting a characteristic related to an identification number (Global Trade Item Number) - For example: a trade item description or expiry date.

BASE UNIT

Lowest-level unit of the trade item hierarchy — a base unit trade item cannot have child items. The base unit is usually also the consumer unit i.e. goes through retail point of sale, although not always.

CASE

Highest Level unit of the trade item hierarchy – This is commonly known as the “Shipper” or “Outer” and is often flagged as the Orderable Unit.

CATALOGUE REGISTRATION

Applying for a GS1net Catalogue in order to add and maintain your data for release to your Data Recipients

CERTIFIED DATA POOL

GS1 certified data pools are electronic catalogues of standardised item master data. They can serve both as a source and recipient of master data, and can be run by a GS1 Member Organisation or service provider. The latest list of GDSN certified data pools available on <http://www.gs1.org/gdsn>

These data pools conform to GS1 System standards, confidentiality and integrity of user information, global interoperability, Global Validation Rules, and global search functionality.

To maintain its “certified” status, GS1net must follow a standard version release schedule. Releases can be expected annually.

CERTIFIED (GS1net) PRODUCT

Sometimes referred to as “middleware”, GS1net certified product providers can assist with maintaining and uploading data onto your GS1net catalogue. The product providers have a GS1net certified product+, sometimes referred to as a **middleware** product which will assist with your data maintenance. Partners may also create a customised solution that fully integrates with your internal systems.

GS1net DATA DICTIONARY

A set of attributes in the GS1net Data Model - for example: GTIN, GLN, Price Value. It does not include all attributes in the Global Data Synchronisation Network (GDSN), only those used by Australia and N.Z. An attribute can be classified as a party, item or price related attribute.

DATA LOAD STATUS REPORT – (DLSR)

This is the report from GS1net that confirms your data load, or errors that may have occurred. It is recommended that users reconcile every data upload with the corresponding DLSR to ensure all records loaded correctly.

DATA RECIPIENT & INDUSTRY SECTOR REQUIREMENTS (DRISR)

This is a critically important document for anyone implementing GS1net as it defines the set of data that must be populated for your industry; typically only a subset of the total GS1net data set.

This document links to the DRISR via hyperlinks in the Data Set chapter. Alternatively, the DRISR may be accessed directly from the GS1net web site.

All detailed definitions of each data attribute referred to in the DRISR, can be found in the Data Set chapter of this document.

DATA SYNCHRONISATION

Data Synchronisation is the continuous and automated exchange of item and price master data between and within organizations. Synchronized data eliminates errors in data alignment between trading partners, which creates supply chain information efficiencies, and thus ensures accurate data in transactions.

DDF File

Delimited Data File (DDF) format for loading data to GS1net

GLN

The GS1 Identification Key used to identify physical locations or legal entities. The key is comprised of a GS1 Company Prefix, Location Reference, and Check Digit. The Global Location Number (GLN) is used to uniquely identify a physical location or legal entity. GLNs can be used to identify a supplier, a retailer, a health jurisdiction, an area health service, a state health jurisdiction or a hospital.

GLOBAL DATA SYNCHRONISATION NETWORK - GDSN

The GS1 Global Data Synchronisation Network (GDSN) is an automated, standards-based global environment that enables secure and continuous data synchronisation, allowing all partners to maintain consistent item data in their systems. The GS1 GDSN connects trading partners to the GS1 Global Registry® through their selected GDSN-certified data pools.

GLOBAL REGISTRY

Stores details of all parties and items on GDSN certified data pools. It performs a key role in the GDSN network architecture.

Directory for the registration of unique catalogue items and parties contains a Global listing of GTIN/GLN/Target Market information to ensure that no product within the Global Registry is duplicated.

GS1net Live

Your trading partner will declare your company GS1net Live if

- Your company has already been declared GS1net Ready
- The data is in parity. No discrepancies between GS1net and their internal systems
- Trading partner has subscribed to your catalogue

GS1net Ready

GS1net Ready is a term used to describe the process that a supplier undertakes with GS1 Australia/N.Z. to load, validate and publish Item and pricing information on GS1net. This process ensures that the data being loaded is complete, up to date, accurate, standardised and that it satisfies all of the GS1net data validation rules.

Each industry and geography (Aus / NZ) can have slightly different requirements for achieving this status. For example, the Australian grocery industry includes a process with the ATO to verify correct GST rates before a supplier can be made "GS1net Ready" for grocery. This step may not apply in other industries or geographies. Refer to your industry's *GS1net Ready Checklist* to confirm the steps you need to take.

GTIN

All products in GS1net are identified with a Global Trade Item Number (GTIN). This is the unique identifier (usually represented as a bar code printed on the product's packaging) assigned by the product brand owner or supplier from the GS1 Company Prefix allocated by any GS1 Member Organization. The GTIN is also used to identify inner packs, multi packs and shippers as it is a unique identifier for each level of a Trade Item Hierarchy.

GUI – Graphic User Interface

Graphic User interface which allows users to enter data online on GS1net.

INNER PACK OR PACK

Intermediate Unit which is usually represented as a package within the Case (outer most level)

ITEM MASTER DATA

Data Attributes providing general information about a particular item such as description, dimensions and classification codes. This information can be shared with all the trading partners and remains relatively static.

LOCAL REGISTRY

Is a list of basic product information, images and attachments stored in a local data base available to Australian and New Zealand users that can be accessed from your catalogue main menu. Specifically allows cross catalogue search and download, i.e. across multiple vendor catalogues using search criteria such as product classification, key word search, product hierarchy level, with/without images etc.

MIDDLEWARE

GS1net certified product providers can assist with maintaining and uploading data onto your GS1net catalogue. The product providers have a GS1net certified product, sometimes referred to as a **middleware** product which will assist with your data maintenance. Partners may also create a customised solution that fully integrates with your internal systems.

NPC

The National Product Catalogue is a single repository of product, pricing and healthcare data for all Health Industry Product Categories for the purpose of data synchronisation. These categories include pharmaceutical, medical devices (including orthopaedics, implants, dental, imaging, etc), catering and food services, cleaning products, etc. The NPC is hosted on GS1net™.

NPC Populated

Status granted to your company by the GS1net Services Support team when you have completed all steps in the NPC Ready Checklist for all items that are on contract with 1 or more jurisdictions.

NPC Ready

Status granted to your company by the GS1net Services Support team when you have completed all steps in the NPC Ready Checklist for your entire product range.

PRICING MASTER DATA

Data attributes providing the price of a particular item, the place/location where the price applies as well as charges and allowances. This information is private per trading partner and dynamic in nature i.e. typically changes over time.

PUBLICATION

Release of Item/Pricing data to the Trading Partner - This is normally the last step in becoming GS1net/NPC Ready

TARGET MARKET

The target market is the geographic location where the supplier makes the item available to Retailers. Note that this indicator does not in any way govern where the Retailer may sell the item to customers.

TRADE ITEM

A trade item is any item (product or service) about which there is a need to retrieve pre-defined information and that may be priced, ordered or invoiced at any point in any supply chain. Trade Items are allocated a GTIN – Global Trade Item Number; this is the recommended primary item identifier and is part of the key for every trade item record in GS1net.

TRADE ITEM HIERARCHY

A group of related trade items, in a parent-child relationship, a trade item hierarchy is sometimes referred to as a “product hierarchy”.

A 3 level trade item hierarchy is generally composed of a Base Unit an Inner Pack and a Case/Shipper. The Case is parent of the Inner Pack. The inner Pack is the parent of the Base Unit.

Two level hierarchies are also common, having no inner pack level.

Some trade item hierarchies have a common base unit, such as a single 250ml can packed into both a case of 24 and a case of 48.

UOM

Acronym for Unit of Measure.



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Data Access and How Data Flows

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Suppliers should understand what triggers data availability and data flow and how Trading Partners are affected by what suppliers do in their GS1net catalogue.

This section describes how suppliers control who can access their data and how data synchronisation is established between suppliers and their trading partners.

When Trading Partners go online to search and download supplier data, whilst they are accessing the data, they are not actually synchronising it via data flows from GS1net. Some Trading Partners will remain manual data access type users whilst others will truly synchronise with GS1net.

Controlling Data Access – summary

Suppliers have absolute control over who can access their data as follows:

- An item that is not published to any data recipients cannot be accessed by any data recipients.
- An item that is published to Data Recipient X can only be accessed by Data Recipient X, though other users can see that the GTIN exists.
- An item published to any data recipient(s) which lists the private label GLN of those recipients against the item record will only be accessible by those recipients and no other users will know those GTINs exist in the system.
- An item which is a private label item may have no public release date populated, which means it will not appear in the cross-catalogue registry for general search and download users.
- Price data is only ever accessible by the data recipients identified by the price GLNs used by suppliers on each price record.

The following steps are typical of a supplier and its Trading Partners when interacting with the GS1net service:

- 1) supplier loads & validates master item and price data and requests GS1net Ready status from GS1net Services Support
- 2) GS1net Services Support downloads and validates the catalogue to verify data accuracy and provide advice on data quality where non fatal warnings have occurred
- 3) items are registered on the global registry (this can be an automated or manual step). Key attributes (supplier GLN, GTIN, target market, GPC code) about these globally registered items is now visible to all Trading Partners UNLESS the item has been loaded with a private label GLN to denote it is a brand owned by the recipient and must only be accessible to that recipient
- 4) supplier then publishes products to trading partners – data is now accessible to those partners who may choose manual access (pull data) or automated (messaging) access to these items

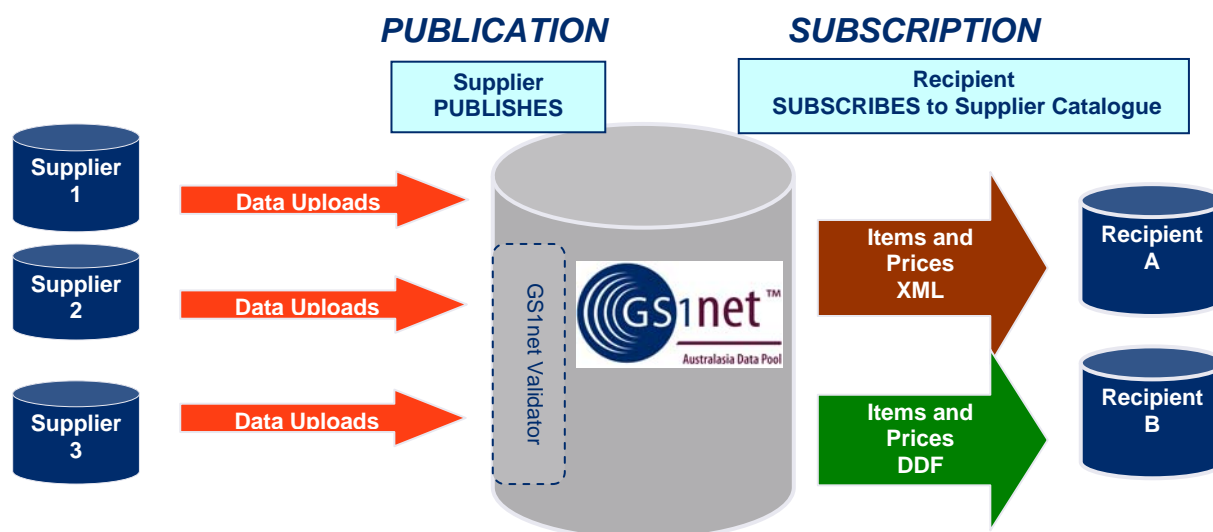


All subsequent new items loaded to GS1net by suppliers must also be published to Trading Partners. Suppliers should ensure they have an upload, validate, confirm load and publish process, ongoing.

- 5) trading partners using automated (messaging) access subscribe to whole (the usual) or part of supplier's catalogue – data will now flow as messages to the data recipient. This is how data synchronisation can occur.
- 6) Each data recipient using messaging data flows will then either accept or reject products (item data). This is NOT commercial acceptance or rejection. Suppliers will be able to view the accept/reject status on line or via GS1 XML messaging.

- 7) Acceptance enables the ongoing flow of updated item data to the data recipient. Rejection prevents future updates from flowing to the data recipient. This mechanism may be used to filter item data based on the recipient's product range. It is a gate used to close off items for which a recipient does not want to receive any further updates. Doing nothing for items is equivalent to accepting them as their updates will continue to flow to the recipient unless the item is rejected.
- 8) Data recipient using messaging will generally "accept" all prices to enable price updates to flow through. This is NOT commercial acceptance of prices.

If there is commercial non-acceptance of a price, the data recipient still "accepts" the price data from GS1net, so that updates can flow through. The Data Recipient will contact the supplier outside of GS1net (e.g. phone) and request that the amended price be loaded. This will then generate the price update to flow to the recipient.



A data recipient may subscribe to a supplier's catalogue before it has been published to that recipient. Once the publication/subscription match has occurred, either one may precede the other; the data will flow via messaging to the recipient.

Only Data Recipients that are using the automated (messaging) synchronisation to GS1net will subscribe to your catalogue, or part thereof. It is the act of subscribing that generates the messaging. If a subscribed Data Recipient has not accepted a price, then the supplier will not be able to update it.

Data Recipients using automated (messaging) synchronisation will use the accept/reject/review/synchronize functionality to control the flow coming in to them.

Data Recipients accessing GS1net manually will be logging in via the web GUI interface, viewing and/or manually requesting your published data via DDF downloads. Generally, the manual access data recipient will not subscribe to your catalogue as subscription to supplier catalogues or individual GTINs is only required when the data recipient is synchronising data (generates message flow).

Note that unless a manual data recipient has explicitly rejected a price record, the supplier can still update the record.



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Data Validation & Quality

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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.

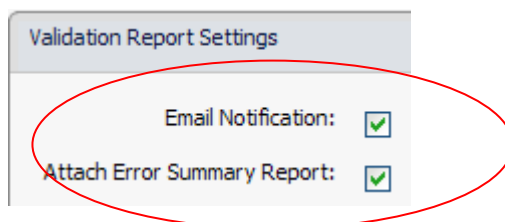
The GS1net Validator will provide a green, amber or red result in your validation report. Red is a fatal error, amber indicates warnings only and green is a successful validation. A green result means your data has triggered no errors or warnings and has been on forwarded to GS1net. An amber result means 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 'Browser Template, Validator & Training' 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.

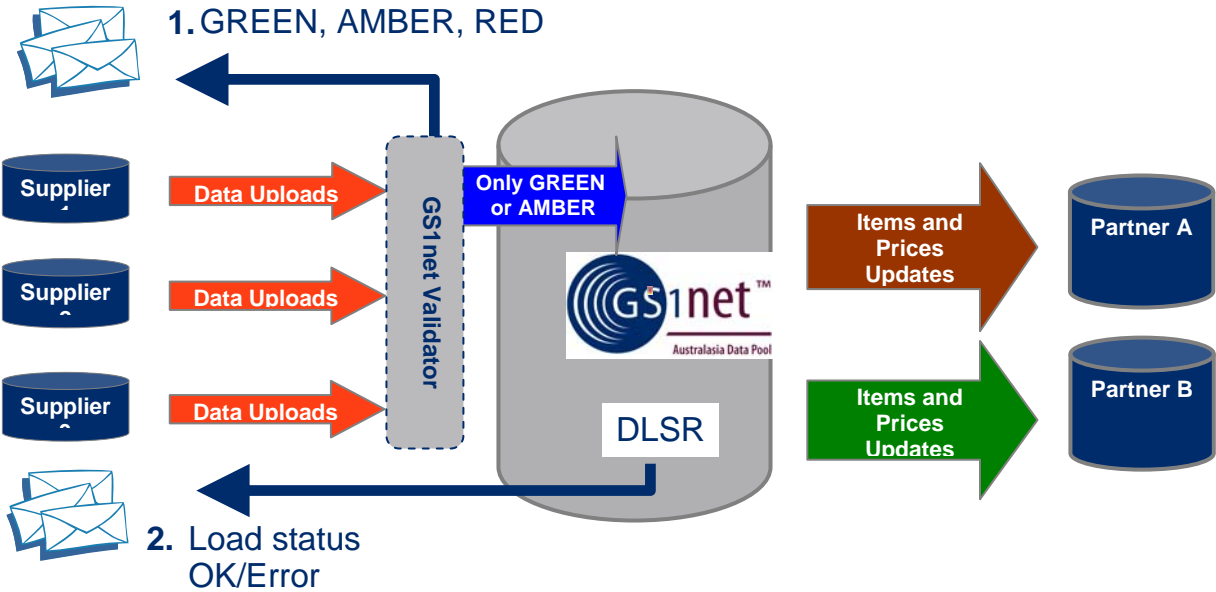
GS1net provides its own load report called a Data Load Status Report (DLSR).



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.

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GS1net Ready™ Checklist

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Document Version Control

Release	Nature of Change/Comments	Author
Feb 2011	GS1 New Zealand - GS1net Ready™ Checklist revised	M.Robb
June 2010	Additional steps 16-18 added and updates to URL's within the GS1 New Zealand - GS1net Ready™ Checklist	M.Robb
May 2010	Step 9 within the Australian GS1net Ready steps updated to reference Locatenet	M.Robb
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Mar 2010	Update community references from 'Australia' to 'Australia & New Zealand'. Add checklist for New Zealand suppliers	M.Robb
Oct 2009	Initial Release	GS1 Australia

GS1 Australia - GS1net Ready™ Checklist – All Suppliers

This checklist is designed for all suppliers as a guide to becoming **GS1net Ready™**. Completing this checklist is a pre requisite to begin the ongoing process of data synchronisation and electronic collaboration with your trading partners. All suppliers are encouraged to contact GS1 Australia for further assistance in completing this checklist and to be officially confirmed as being **GS1net Ready™**. The term **GS1net Ready™** also refers to **NPC Ready / NPC Populated** in this document. The term **GS1net** also refers to NPC.

Step 1 Register for GS1net

GS1net® is operated by GS1 Australia, on behalf of industry, on a user pays cost recovery basis. Registration for the use of **GS1net** is only available to financial members of GS1 Australia. Before you register you will need to appoint a **GS1net** champion/team, and enter their contact details. Once you have access to your catalogue you can add additional users.

To register for **GS1net** visit: <http://www.gs1au.org/services/gs1net>

Fee schedule visit: <http://www.gs1au.org/services/gs1net/fees.asp>

After you register you will receive:

- An information pack from **GS1net** Services Support and your trading partners.
- A login to **GS1net** and a login to the **GS1net Validator**

Step 2 Determine your GS1net product range

Determine the range of products you intend to populate onto **GS1net** – this might be your entire product range, contract items, products relating to a specific trading division or just those products you range that are sector specific.

Note: You should ensure that your catalogue meets the needs of your trading partners; i.e. most retailers require that private label products be included along with branded items right from the start. You should also ensure that for a particular retailer your catalogue covers those items ranged across the various banners that may be managed centrally - for example Coles require your catalogue to cover items ranged within Coles and Pick'n'Pay.

Step 3 Identify the GS1net data requirements

Familiarise yourself with the **GS1net** data requirements for your specific sector as outlined in the document: GS1net Data Requirements.

All guides are available for download visit:

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

Some additional Health specific information can be found at:

http://www.gs1au.org/services/gs1net/industry/npc/user_guides.asp

Note: Do you have products that are sold in multiple target markets e.g. Australia and New Zealand? If so, do you want to maintain the product information in 1 catalogue or 2? Contact the GS1net Services Support team to discuss your options.

Step 4**Conduct a Gap analysis**

Compare the data held in your internal information systems with the **GS1net** data requirements. This analysis may identify gaps or differences in the way data is structured or formatted. **GS1net** Services Support can assist you in overcoming these issues.

It is critical to understand which 'gaps' will be addressed in the early stages of the project versus those that will be addressed long term.

Step 5**Determine your GS1net Data Upload, Maintenance and Connectivity (if applicable) methods**

A number of options are available for you to upload and maintain your product information on **GS1net**. The options range from manual online data maintenance to standard middleware and custom solutions that are fully integrated with your internal information systems. You should carefully consider the appropriate method for your company that will provide a sustainable method to maintain the quality of your **GS1net** catalogue on an ongoing basis. Apart from the selection of the appropriate method to upload and maintain your catalogue, **it is absolutely critical to ensure that you implement the processes and procedures to maintain the integrity of your GS1net catalogue on a sustainable basis.**

For further information on certified middleware solution providers visit:
http://www.gs1au.org/services/gs1net/certification_program/certified_products.asp



If you are in the **Healthcare or Hardware sector**, the minimum acceptable method of upload as determined by the industry, is Browser Template. This means that all data loaded into GS1net / NPC will be validated by the specific industry validation rules.

As a part of the process to determine your method of upload, you may need to consider your Connectivity options as well. GS1 Australia provide connectivity via AS2, FTP and HTTPS.

For further information visit:

http://www.gs1au.org/services/gs1net/technical/communications_m2m.asp

Step 6**Source Retailer Supplier IDs (If applicable)**

In order to properly structure your catalogue (**Step 7**) and eventually grant trading partner access (**Step 16**), you need to know your Retailer Supplier IDs (Supplier Codes). Retailer Supplier IDs are the code numbers used by your trading partners to identify your company within their systems. If you do not know your Retailer Supplier IDs, refer to your trading partner remittance advice or contact your trading partner directly ie these are not a part of your GS1net Data Set..

You should have at least one Retailer Supplier ID per trading partner. In some cases you may have multiple Retailer Supplier IDs per trading partner. Multiple Retailer Supplier IDs usually stem from mergers or acquisitions amongst suppliers. **GS1net** provides the ability to maintain a single Retailer Supplier ID for all trade item groups in your catalogue, or alternatively to maintain a different Retailer Supplier ID per Trade Item Group within your **GS1net** catalogue.

Note: For Trade Item Group access, you must ensure that only one Retailer Supplier ID per retailer applies to each trade item group.

Note: For Coles B2B separate Retailer Supplier IDs need to be established for suppliers that deliver by 2 methods, DC (Distribution Centre) and X-dock (pick and pack). This is because there will be 2 different trading methods and EDI ordering will not allow for the same Retailer Supplier ID to apply.

(Before your catalogue structure can be finalised you must enter all your Retailer Supplier IDs).

Step 7**Determine your GS1net Catalogue Structure**

You have the ability to organise your **GS1net** catalogue into Trade Item Groups that align with your Retailer Supplier IDs. This catalogue structure should reflect the catalogue access you intend to grant to your trading partners as per **Step 16**. (This is especially important if you manufacture private label items or do not sell your entire range to every trading partner).

Step 8**Prepare your data**

The primary source of all data fields to be populated into **GS1net** should be clearly identified. To ensure that your data meets the needs of your trading partners and that it conforms to the **GS1net** data quality standards and formats, you should complete an initial data cleansing process to ensure that the data complies with the requirements defined in the document: Data Recipient and Industry Sector Requirements.

All guides are available for download from:

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

Note: You may wish to obtain Price Relationship IDs at this point.

Step 9**Clarify Off-Invoice Allowances, Charges and Ship To GLNs (if applicable) against Pricing with your Trading Partners****(Complete this step in parallel with Step 8)**

You should ensure that the off-invoice allowances and charges that will be entered into your catalogue are consistent with those presently understood with your retailers. The retailers expect to be able to arrive at the cost invoiced when the entered allowances are 'subtracted from' (or for charges 'added to') the List Price. The entry of a single price without listing the allowances and charges used to arrive at this value, for example the use of a 'best into store' price, is not 'normally' acceptable. If in doubt please contact the appropriate trading partner to confirm that you have a shared understanding of the attributable 'off invoice' allowances and charges pertinent to your commercial terms.

Note: This may not be applicable for all sectors

Note: If you are in the Healthcare sector, you will need to subscribe to GS1Locatenet in order to obtain correct GLN information from your trading partners. <http://www.gs1au.org/services/locatenet/>

Note: The Hardware sector allows for the loading of a single price "Transactional Price" without allowances or charges

Step 10**Discuss Price Relationships Setup with GS1net Services Support**

Please contact the **GS1net** Services Support team and ask them to create your Price Relationships. Price Relationships need to be set up in your catalogue for each of your trading partners before you can enter pricing information.

Step 11**Populate GS1net**

Complete an initial upload of your **GS1net** catalogue. The initial upload can be completed in one step or in a series of steps. You may choose to start with sample item data, uploading your full product catalogue at a later date.

It may be practical to upload your basic product information first, whilst uploading your pricing information at a later date. You should also establish the processes that will ensure changes to product information on your internal systems are reflected in your **GS1net** catalogue on an ongoing basis.

For online users (Not applicable for Health or Hardware sector suppliers): follow the Online Training Tutorials when entering in your data. To download visit:

<http://www.gs1au.org/Services/GS1net/technical>

Step 12 **Review your GS1net Validator Report**

After you load data into **GS1net** an email notification will be sent to you and direct you to the online **GS1net** Validator. Here you can view your **GS1net** upload results. If there are any errors in your data they will be specified so that you can fix your data and upload again.

Validation emails with the subject 'RED GS1net Validation Report' mean the data has been blocked from uploading; if it is not clear why, then contact the GS1net Services Support team.

Validations within your catalogue by the GS1net Services Support team will also result in an email, but the subject heading will read 'OFFLINE'.

Note: This step does not apply to suppliers who maintain their **GS1net** catalogue using the manual online data maintenance option.

Step 13 **Review your GS1net Data Load Status Report (DLSR)**

This is a critical step and a key tool for suppliers to manage their **GS1net** catalogue on a regular basis. Each time you upload data to your **GS1net** catalogue, you should always verify that the upload has been successful. This can be done by logging on to the **GS1net** web browser and viewing or downloading the Data Load Status Report (DLSR) from the main menu; alternatively you can elect to receive these via email.

You can change the recipients of the email report and also the type of reports that you receive by logging on to your catalogue and viewing your Company Profile.

Note: This step does not apply to suppliers who maintain their **GS1net** catalogue using the manual online data maintenance option.

Step 14 **Commence "Essentials" Program with GS1net Services Support**

After populating your **GS1net** catalogue, you should contact the **GS1net** Services Support team and request that your catalogue data be validated using the **GS1net Validator**. To become **GS1net Ready™**, a number of data validations may be required. Upon the completion of each validation, you will be provided with a data validation report. The report will typically recommend amendments that you need to make to your **GS1net** catalogue, to ensure that it meets the **GS1net** data requirements as outlined in **Step 3**. Repeat **Steps 11 - 14** as required.

Step 15 **Approval of GST classifications (If applicable)**

The Australian Taxation Office (ATO) has issued a binding ruling explaining how the food and grocery industry can rely on **GS1net** to find out, with certainty, which food and beverage products (Non alcoholic) have GST included in the price, which are GST-free and the approved GST value.

Once you have populated your **GS1net** catalogue and prior to becoming **GS1net Ready**, the GST classifications for all food and beverage products (Non alcoholic) are subject to approval by the Australian Taxation Office (ATO). This process is the outcome of industry collaboration and occurs concurrently between **Steps 11 – 14**.

On an ongoing basis all only food and beverage (Non alcoholic) items loaded into your **GS1net** catalogue will be sent to the ATO for GST approval.

Step 16

Publishing your GS1net Catalogue Items to your Trading Partners □

Once Steps 1 – 15 are completed, then your GS1net Services Support advisor will publish your data to your Trading Partners. GS1 Client Services will also confirm if you want the “Auto Publication” feature turned on.

For suppliers in the Healthcare sector, your data will be published to all state jurisdictions and NEHTA as a minimum. We recommend you also publish to your Distributors as well.

This ‘Initial Load’ publication is the essential first step to enable the automatic and ongoing data synchronisation with trading partners via **GS1net**.

You will need to publish any GTINs that you put in your catalogue after you are **GS1net Ready** as ‘New items’. Note: For larger catalogues it is best practice to publish many GTINs at once, perhaps by publishing all ‘un-published’ GTINs on a weekly basis.

Note: In order to participate in the Liquor Merchants Association Industry Market Read (IMR) Solution, you need to publish your item data to the Liquor Merchants Association. Some additional fields are required.

Step 17

Start the Synchronisation process with your Trading Partners □

Once you have completed **Step 16**, **GS1net Services Support** will verify that you have completed all steps to become **GS1net Ready™**. A **GS1net Ready Alert™** will be sent via email to the **GS1net** community, advising them that you are **GS1net Ready™**.

Engage your participating trading partners in their respective data synchronisation projects. Contact details are as follows:

Metcash Trading Limited (Campbells CCC, IGA, ALM and former FAL) – Michael Haire PH: (02) 9741-3099) or visit the Metcash Supplier Information web site: http://www.metcash.com/index.cfm?page_id=2136

Coles – email colesgs1netsupport@coles.com.au or visit the Coles Supplier web site: <http://supplier.coles.com.au/eCommerce/GS1-net/default.aspx>

Liquor Merchants Association (LMA) – Sandra Przibilla (PH: (02) 9415 1199) or visit the LMA web site: <http://www.liquormerchants.org.au/>

Independent Liquor Group (ILG) - Roger Miller PH: (02) 9675 8400

Liquor Marketing Group (LMG) – Jorg Both PH: (02) 8737 6604

Note: If you are in the **Healthcare sector** your Client Services Advisor will take you through this final step as your company will be given either a NPC Ready status or NPC Populated status. This will be based on a brief survey (sent to you) and final validation with your key trading partners.

GS1 Australia encourages you to contact your key trading partners once you are at this stage. A list of useful contacts can be found at this link:

http://www.gs1au.org/services/gs1net/industry/npc/useful_contacts.asp

John Danks & Son – Errol Kennedy, National Vendor relations Manager PH: (03) 9264 5112

Mitre 10 Australia – Janine Tam, Manager of eCommerce PH (03) 9703 4545

Important Note: Completing the **GS1net Ready™** checklist is the first and a significant step towards engaging in ongoing data synchronisation with your trading partners. Suppliers also need to ensure that they have the processes and procedures in place to maintain the integrity of their **GS1net** catalogue on an ongoing basis in order for their trading partners to obtain the full benefit of data synchronisation.

For more information about becoming **GS1net Ready™** or assistance please contact the **GS1net** Services Support team on 1300 366 033 or via email gs1net@gs1au.org

GS1 New Zealand - GS1net Ready™ Checklist – All Suppliers

This checklist is designed for suppliers to New Zealand industry as a guide to the process of getting to the stage of requesting **GS1net Ready™** status for a particular Data Recipient (Your Customer). Completing this checklist is a prerequisite to becoming **GS1net Ready™** and the ongoing process of data synchronisation with your trading partners, called **GS1net Live™**. Data synchronisation is the essential foundation to electronic collaboration with your trading partners. All suppliers are encouraged to contact GS1 New Zealand for further assistance in completing this checklist and the subsequent process steps to becoming officially confirmed as **GS1net Ready™** for your customer(s).

Check List:	
<input type="checkbox"/>	1. GS1 New Zealand Membership
<input type="checkbox"/>	2. Registered for GS1net
<input type="checkbox"/>	3. Sign up to an applicable GS1net Implementation Solution
<input type="checkbox"/>	4. Determine your GS1net product range
<input type="checkbox"/>	5. Identify the GS1net data requirements
<input type="checkbox"/>	6. Conduct a Gap analysis
<input type="checkbox"/>	7. Determine your GS1net Data Upload & Maintenance method
<input type="checkbox"/>	8. Determine your GS1net Catalogue Structure (Optional)
<input type="checkbox"/>	9. Prepare your data
<input type="checkbox"/>	10. Request data validations from GS1 NZ
<input type="checkbox"/>	11. Price Relationships Setup
<input type="checkbox"/>	12. Populate GS1net
<input type="checkbox"/>	13. Review your GS1net Validator Report
<input type="checkbox"/>	14. Review your GS1net Data Load Status Report (DLSR)
<input type="checkbox"/>	15. Ongoing Roles & Responsibilities
<input type="checkbox"/>	16. Ongoing Maintenance Processes & Procedures
<input type="checkbox"/>	17. Request to be granted GS1net Ready Status

GS1 NZ – GS1net Ready Check-List

All Steps Complete

yes / no

_____ Data Recipient (Your Customer)

_____ Your Company _____ Date

_____ Your Name _____ Signed

Please submit this Checklist to the GS1 NZ–GS1net Support team via email gs1net@gs1nz.org / fax: 04 494 1051

For more information about becoming **GS1net Ready™** or for further assistance please contact the GS1 NZ – GS1net Support team on 0800 10 23 56 or via email gs1net@gs1nz.org

<p>Step 1</p>	<p>GS1 New Zealand Membership</p> <p>To utilise GS1net in New Zealand you ordinarily need to be a full financial member of GS1 New Zealand. To determine if you are an existing member of GS1 New Zealand please contact 0800 10 23 56 – Option 1. Also use this number if you want to find out how to become a member of GS1 New Zealand. Alternatively you can visit our website www.gs1nz.org where you can become a member of GS1 New Zealand online.</p>	<input type="checkbox"/>
<p>Step 2</p>	<p>Register for GS1net</p> <p>GS1net™ is operated by GS1 Australia and GS1 New Zealand, on behalf of industry, on a user pays cost recovery basis. Registration for the use of GS1net is only available to full financial members of GS1 New Zealand, or GS1 Australia if you are to operate a 'Dual Market' catalogue. Before you register you will need to appoint an initial GS1net Administrator, you will require their contact details when registering. Once you have access to your catalogue you can add additional users.</p> <p>To register for GS1net go online to: http://www.gs1nz.org/gs1net_registration.php</p> <p>You will also find a fee schedule and terms and conditions at the same web address.</p> <p>After you register you will receive:</p> <ul style="list-style-type: none"> - Welcome letter from GS1 NZ - GS1net Support containing your GS1net login - A follow up phone call from GS1 NZ to discuss next steps <p>Note: Do you have products that are sold in multiple Target Markets e.g. New Zealand and Australia? If so, it is a requirement that you have a separate GS1net catalogue for each of these target markets (i.e. you will need a catalogue for your NZ products, and another catalogue for your Australian products). If your company is a single legal entity covering both Australia and NZ it is possible to create a single catalogue which covers both markets.</p> <p>Note for Woolworths/Progressive Suppliers: Prior to commencing your project you need to register your interest with Woolworths/Progressive. They will then contact you and invite you to begin your project and issue your range list, Vendor IDs, Relationship IDs and Vendor Terms. This information is essential for your successful GS1net Implementation.</p>	<input type="checkbox"/>
<p>Step 3</p>	<p>Sign up to an applicable GS1net Implementation Solution</p> <p>GS1 NZ offers a number of solutions to assist companies with their GS1net Integration and Implementation projects. Regardless of the size of your company and your ability to do the work on your own accord, you can take advantage of the Professional Services Team's significant experience, expert guidance and independent advice to ensure your GS1net project is appropriate to your company's specific needs. This will also ensure your project costs and time-frames to become GS1net Ready™ for your customer are minimised. Each company must choose one of the following 3 CORE GS1net Implementation Solutions before commencing your GS1net project:</p> <p>GS1net Essential – Aimed at organisations wishing to do the work yourselves (minimum offering)</p> <p>GS1net Fast Track – Aimed at organisations wanting GS1 to do the majority of the work in a timely fashion to help you become GS1net Ready for your customer.</p> <p>GS1net Implementation Assistance – Tailored to meet your implementation needs.</p> <p>An overview of these services can be found at: http://www.gs1nz.org/gs1net_implementation.php Please contact GS1 NZ for more information.</p> <p>Please note – suppliers will need to sign up to an Implementation Solution (to be certified GS1net Ready) for <i>each</i> of their GS1net trading partners (fees are reduced where applicable given the reduced GS1 support required for GS1net Ready certification for subsequent trading partners).</p>	<input type="checkbox"/>

<p>Step 4</p>	<p>Determine your GS1net product range</p> <p>Determine the range of products you intend to populate onto GS1net – this might be your entire product range, products relating to a specific trading division or just those products specific to your customer.</p> <p>Note: You should ensure that your catalogue meets the needs of your trading partners; i.e. most retailers require that private label products be included along with branded items right from the start. You should also ensure that for a particular retailer your catalogue covers those items ranged across the various banners that may be managed centrally.</p>	<p><input type="checkbox"/></p>
<p>Step 5</p>	<p>Identify the GS1net data requirements</p> <p>Familiarise yourself with the GS1net data requirements for your customer(s) as outlined in the documents:</p> <ul style="list-style-type: none"> - GS1net Data Recipient and Industry Guidelines – this is an overview of requirements by industry and data recipient. Also includes definition of each attribute http://www.gs1au.org/assets/documents/services/gs1net/cookbook/data_requirements.xls - Data Dictionary: All data attributes in GS1net <p>Item Data http://www.gs1nz.org/documents/item_data.pdf Price Data http://www.gs1nz.org/documents/price_data.pdf Code List http://www.gs1nz.org/documents/code_lists.pdf</p> <p>- The documents below provide a more detailed view of each organizations' GS1net requirements including examples where appropriate</p> <ul style="list-style-type: none"> - Foodstuffs - GS1net Requirements & Supplier Guide; http://www.gs1nz.org/documents/FoodstuffsGS1netRequirementsGuide.pdf http://gs1nz.org/documents/FoodstuffsGS1netSupplierGuideline.pdf - Mitre 10 NZ – GS1net Requirements & Supplier Guide; http://www.gs1nz.org/files/gs1net/Mitre10DataRecipientsRequirements.pdf http://www.gs1nz.org/documents/GS1NetSupplierInformation.pdf - Warehouse Stationery – GS1net Requirements & Supplier Guide; http://www.gs1nz.org/documents/WSLDataRecipientRequirements-Expanded.pdf http://www.gs1nz.org/documents/WSL_Supplier_Info.pdf - ITM – GS1net Requirements & Supplier Guide http://www.gs1nz.org/files/gs1net/ITM_Data_Recipients_Requirements.pdf http://www.gs1nz.org/documents/ITMGS1NetSupplierInformation.pdf <p>All guides are available for download from: http://www.gs1nz.org/gs1net_cookbook.php</p>	<p><input type="checkbox"/></p>
<p>Step 6</p>	<p>Conduct a Gap analysis</p> <p>Compare the data held in your internal information systems with the GS1net data requirements. This analysis may identify gaps or differences in the way data is structured or formatted. These gaps will subsequently need to be closed.</p>	<p><input type="checkbox"/></p>

<p>Step 7</p>	<p>Determine your GS1net Data Upload & Maintenance method</p> <p>A number of options are available for you to upload and maintain your product information on GS1net. The options range from manual online data maintenance to GS1net certified middleware and custom solutions that are fully integrated with your internal information systems. You should carefully consider the appropriate method for your company that will provide a sustainable method to maintain the quality of your GS1net catalogue on an ongoing basis. Apart from the selection of the appropriate method to upload and maintain your catalogue, it is absolutely critical to ensure that you implement the processes and procedures to maintain the integrity of your GS1net catalogue on a sustainable basis.</p> <p>We encourage companies to plan to further automate how they manage the data within GS1net. This may happen over a number of phases. We also recommend organisations investigate the certified GS1net Middleware products available. These tools can support improvement to your data quality and reduce the effort associated with maintaining accurate GS1net information. Please contact GS1 NZ for more information about certified GS1net middleware</p> <p>NOTE:</p> <ol style="list-style-type: none"> 1. Be aware that GS1 NZ by default will only grant GS1net Ready status to organisations wanting to use the manual online process to maintain your data if you have less than 10 GTINs within your catalogue. Experience has shown that adding new products on-line requires you to have very disciplined processes in place to ensure you do not enter the data incorrectly and/or not meet your customer's requirements. 2. Also please note the GS1 NZ does not recommend the Brower Upload Service to organisations with large catalogues (> 200 GTINs) and relatively frequent changes. Our recommendation is that in such cases this data maintenance approach should be used only in the short term while further automation is implemented. 	<input type="checkbox"/>
<p>Step 8</p>	<p>Determine your GS1net Catalogue Structure (Optional)</p> <p>You have the ability to organise your GS1net catalogue into Trade Item Groups. This catalogue structure allows you to filter against these groups when publishing products to your customers (This is especially important if you manufacture private label items or do not sell your entire range to every trading partner).</p>	<input type="checkbox"/>
<p>Step 9</p>	<p>Prepare your data</p> <p>The primary source of all data fields to be populated onto GS1net should be clearly identified. To ensure that your data meets the needs of your trading partners and that it conforms to the GS1net data quality standards and formats, you should complete an initial data cleansing process to ensure that the data complies with the requirements defined in the documents - GS1net Data Recipient and Industry Guidelines All guides are available for download from: http://www.gs1nz.org/gs1net_cookbook.php</p>	<input type="checkbox"/>

<p>Step 10</p>	<p>Request data validations from GS1 NZ</p> <p>It is strongly recommended that are you are preparing your data you send a subset to GS1 NZ for a number of formal validations. These validations should used to ensure you are meeting GS1net's and your customer's data requirements for the products you are providing data for. GS1 NZ will validate the data, produce a report with corrective actions, and follow up with you individually to ensure you understand the results.</p> <p>To help get you on track we recommend that you do one of these validations very early in the process against a few products. This can be followed up again later with another validation against more products to double check you have fully understood the data requirements. Be warned, leaving these validations too late in your data collection process may mean to have to rework a lot of the data you have prepared.</p> <p>Those companies that have signed up to GS1net Essential get 2 of the formal validations included as part of the service. Additional validations can be requested but will incur a cost. For those company using certified middleware or using machine to machine integration, it is still recommended you have some data validated to ensure the requirements are being met and to minimise any rework.</p> <p>All validation requests should be sent to gs1net@gs1nz.org and should include the data in the BUT or DDF format. These requests will normally be turned around in 48hrs</p>	<p><input type="checkbox"/></p>
<p>Step 11</p>	<p>Price Relationships Setup</p> <p>This price relationship should have been set-up with you by GS1 NZ early in the project. If this relationship is not set-up you will not be able to upload pricing data for your customer. Please contact GS1 NZ - GS1net Support if you cannot determine if you have such pricing relationship set-up.</p>	<p><input type="checkbox"/></p>
<p>Step 12</p>	<p>Populate GS1net</p> <p>Note: You will need to ask for your GS1net Validator log-in details from GS1 NZ and ask us to confirm the GS1net Validator reports are set-up to go to the correct email address. Here you should complete an initial upload of your GS1net catalogue. The initial upload can be completed in one step or in a series of steps. You may choose to start with sample item data, uploading your full product catalogue at a later date.</p> <p>It may be practical to upload your basic product information first, with your pricing information uploaded at a later date. You should also establish the processes that will ensure that changes to product information on your internal systems will be reflected in your GS1net catalogue on an ongoing basis.</p>	<p><input type="checkbox"/></p>
<p>Step 13</p>	<p>Review your GS1net Validator Report</p> <p>After you load data to GS1net an email notification will be sent to you that will direct you to the online GS1net Validator. Here you can view your GS1net upload results. If there are any errors in your data they will be specified so that you can fix your data and upload again.</p> <p>Note: This step does not apply to the exception suppliers who maintain their GS1net catalogue using the manual online data maintenance option</p>	<p><input type="checkbox"/></p>

<p>Step 14</p>	<p>Review your GS1net Data Load Status Report (DLSR)</p> <p>This is a critical step and a key tool for suppliers to manage their GS1net catalogue on a regular basis. Each time you upload data to your GS1net catalogue, you should always verify that the upload has been successful. This can be done by logging on to the GS1net web browser and viewing or downloading the Data Load Status Report (DLSR) from the main menu.</p> <p>You can change the recipients of these report and also the types of reports that you receive by logging on to your catalogue and viewing your Company Profile.</p> <p>Note: This step does not apply to the exception suppliers who maintain their GS1net catalogue using the manual online data maintenance option)</p>	<p><input type="checkbox"/></p>
<p>Step 15</p>	<p>Ongoing Roles & Responsibilities</p> <p>Ensure you have assigned the following roles and the individuals understand their responsibilities</p> <p>GS1net Champion</p> <p>Normally a senior member of the organisation with customer responsibilities and often the appropriate account manager or higher</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Accountable for the performance of GS1net for the customer relationship • Be able to discuss GS1net performance and any corrective actions with the customer in question • Ensure sufficient resources, systems, and processes are in place to maintain GS1net in an accurate and timely fashion • Have a effective line of communication with the GS1net Administrator <p>GS1net Administrator</p> <p>Normally somebody with good product knowledge and who understands internal and well as customer related processes</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • Performs (or manages) the process of getting information into GS1net • Ensures accurate product data is uploaded to GS1net in a timely fashion • Expert User in the method of uploading and maintaining data to GS1net with full access to the GS1net system • Maintains company and user profiles on GS1net • Ability to view and decipher validation and data load reports • Manages the publication of GTINs to customers • Understands how to determine if a customer has subscribed to the catalogue/GTINs and if item and pricing changes have been accepted • Understanding and involvement in the product development lifecycle • Forms a relationship with the customer's GS1net team. <p>GS1net Back-Up Administrator</p> <p>Secondary resource that is capable of performing the GS1net Administrator's responsibilities in there absence. Main focus being on maintaining data accuracy within GS1net</p> <p>Responsibilities</p> <ul style="list-style-type: none"> • See GS1net Administrator 	<p><input type="checkbox"/></p>

<p>Step 16</p>	<p>Ongoing Maintenance Processes & Procedures</p> <p>Ensure you have defined and implemented the processes and procedures surrounding how you will maintain GS1net on an ongoing basis.</p> <p>We recommend you continue to review your maintenance processes in order to ensure the processes are being adhered to. We also expect your processes to be further refined over time using further automation processes and tools.</p> <p>NOTE: GS1 NZ does not recommend you use the GUI to add products to GS1net. Using the GUI for product introduction puts you at risk of entering data incorrectly or not providing all of the attributes required by your customer(s). This is a result of reduced data validation available on the GUI. Therefore using the GUI will require you to be extra disciplined when entering data to ensure quality data. The Browser Upload Service is a far better entry level method of maintaining GS1net Data.</p>	<p><input type="checkbox"/></p>
<p>Step 17</p>	<p>Request to be granted GS1net Ready Status</p> <p>Submit the GS1net Ready Checklist to GS1 NZ and request to be granted GS1net Ready for the particular Data Recipient (Your Customer). GS1 NZ will then contact you to commence the GS1net Ready process.</p> <p>Once you are granted GS1net Ready status your customer will contact you to synchronise your data, resolve any discrepancies, and become GS1net Live with you.</p>	<p><input type="checkbox"/></p>
<p>Step 18</p>	<p>Note: It is expected that the GS1net Ready Status granting should take no longer than 5 working days. This includes supplier completion of a Testing Script and GS1net Ready Review meeting with key GS1net staff at your organisation. Please confirm you will be able to complete these tasks. If this process exceeds 5 days, GS1 may revoke your Ready status application and you will need to re-submit this checklist when ready.</p>	<p><input type="checkbox"/></p>



GS1net User Guide ‘Cookbook’

For Suppliers implementing and using GS1net in Australia
& New Zealand

March 2010

Load & Maintain your GS1net Catalogue

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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

Getting Started

In the role of “supplier”, you are a data source and therefore will need to load and maintain master item and price data in your GS1net catalogue.

You can do this in a relatively manual way by keying your data directly into the GS1net GUI interface² or via a simple Excel-based tool, the GS1net *Browser Template*, developed and maintained as an entry level upload tool by GS1 Australia. Alternatively for a more automated / integrated option you may wish to create your own DDF or GS1 XML messages or use a GS1net Certified solution.

All options are presented in *GS1net Data Upload Options* below.

Register & Login to GS1net

GS1net is only accessible to registered users. To register;

Australia: From the GS1 Australia website <http://www.gs1au.org>, select GS1net/NPC (under services) and then click Register.

New Zealand: From the GS1 New Zealand website <http://www.gs1nz.org>, click on the GS1net icon and then click Register.

Once registered you will be provided with you're:

- Company Alias
- User ID
- Password



Please visit registration guide:

http://www.gs1au.org/assets/documents/services/g1net/s_gs1net_rego_guide.pdf

This guide explains the set up tasks and how the GS1net Services Support team will assist with the registration process.

You may find you rarely login to GS1net via the GUI interface, as most of the online activities are initial set up activities that the GS1net Services Support team will do on your behalf at the time of registration.

However, it is useful to login to your GS1net catalogue, even if you are not going to load your data via the online GUI interface, to familiarise yourself with the online options such as user maintenance.

To access GS1net's login page, please visit our website <http://www.gs1au.org> then click GS1net/NPC (under Services) and then click Login.

Please make sure that you meet the minimum system requirements before doing your Registration.

Price Relationships – a key set up task



For GS1net GUI interface or GS1net Browser Template users, always contact the GS1net Services Support team to create your Price Relationships.

Australia: GS1net Services Support - 1300 366 033

New Zealand: GS1net Services Support - 0800 10 23 56

² Warning: this method is not acceptable in some industries e.g. healthcare

If you are using a GS1net Certified Solution, please contact your provider to discuss Price Relationship creation.

Creating a price relationship is a one off activity per Data Recipient. It is a short sequence of steps to authorize the Supplier to transmit pricing messages to a Data Recipient. The price relationship also establishes the currency type that will be implied within the pricing message. Pricing data will not upload into your catalogue unless you have a price relationship set up for the relevant data recipient.

A Price Relationship can be created via GS1 XML (please contact the GS1net Technical department gs1net_tech@gs1au.org if you wish to explore this option).

Data Requirements

The GS1net data dictionary lists all of the supported attributes (fields) available within the system and defines each attribute in detail. However, suppliers are not required to populate every attribute; it depends which industry/ies you operate in as to which of these attributes you must populate.

Your target data set (the fields you must populate), are listed within document *GS1net Data Requirements*.

Select 'Your Target Data Set' from within the 'GS1net Data Dictionary and Your Target Data Set' section within the 'GS1net™ - Data Synchronisation Service' web page, to display or download a copy of the *GS1net Data Requirements* document. The link is located under the 'GS1net Data Dictionary and your Target Data Set' section within the 'GS1net™ - Data Synchronisation Service' web page.

Click on your industry's tab for a list of the attributes and their population status i.e. System Mandatory, Required by the Industry, Conditionally Mandatory etc. – this is your target data set that you must work toward populating.

Product Range

Suppliers should aim to populate their entire product range into their GS1net catalogue which can then act as a consolidated product master file for the company. Depending on your industry requirements, you may choose from a number of options such as loading:

- i. your **Entire Product Range**
- ii. all Products For a **Specific Industry**
- iii. all Products For a **Particular Data Recipient**
- iv. all **contract items for a particular data recipient**

Dates in GS1net

There are numerous date fields in GS1net, each one with an explicit purpose and meaning. This section aims to make it clear how all dates are to be used. Refer to the data dictionary for a definition of each date; here the tips are intended to explain usage beyond just definitions:

Dates that Control Access to your Data

Publication Date

The Publication Date can be set into the future when publishing items to trading partners. Only when the publication date occurs will the data be accessible to those partners: default to current date.

Public Release Date

This is the date when all subscribers to GS1net can access your item data in the GS1net Local Registry. Note that the Public Release date must be equal to or later than the Publication date. For private label items, this field is not used; thus keeping all data about the item undisclosed to all but the private label owner.

System Generated Dates

Last Change Date/Time

Suppliers submitting GS1 XML messages are required to populate the Last Change Date/Time attribute to comply with GS1 XML schema requirements – value entered will be overwritten with the current date/time when processed by GS1net.

Non GS1 XML message suppliers are not required to submit a Last Change Date/Time value.

Dates relevant to your Trading Relationships

Effective Date

This is the date when the information about your item i.e. product data, takes effect. Usually set to the current date when new items are loaded. May be set into the future when for example a change is uploaded, but doesn't take effect for some days/weeks into the future.

First Order Date/Time

The date from which supplier can begin receiving orders for this item. Typically for seasonal products, say Easter for example, orders may be placed in Dec '08, but the start and end availability window could be mid March – end April '09.

Start Availability

Usually products we be available from the time they can be ordered, however, typically for seasonal products, the start of availability may be later than the order date.

End Availability

Products are not "deleted" out of GS1net; rather they are "end dated" to indicate when they are no longer available.

Final Batch Expiry

For End Availability products, the last expiry date for the final run of production. It is to be used to assist in purchasing decisions; as to possibly how long a product may remain in the supply chain, despite being discontinued from production.

Consumer Availability

The date the product should be made available to consumers – no earlier. An example for this usage could be the simultaneous release of the "Harry Potter" books at stores throughout the world on the same day, or may be in line with an advertisement campaign that has promised consumer availability by a certain date.

Exclusivity End Date

The date when the product is no longer exclusive to a single Trading Partner

Seasonal Start Availability

The first date when the item is available. Note: The seasonal availability can be different from both the ordering time and dispatching time. The availability is the Supplier's intention of how long the product will be available to trading Partners.

Seasonal End Availability

The last date when the item is available. Note: The seasonal availability can be different from both the ordering time and dispatching time. The availability is the Supplier's intention of how long the product will be available to trading Partners.

Price record Dates

Catalogue Price Start Date

The date when the price record becomes effective.

Catalogue Price End Date

The last date when the price record is effective.

GS1net Data Upload Options

In total, there are four methods of entering product and price data into GS1net. Two methods are manual and two are automated / integrated. With the exception of the online GUI web interface, all methods include data validation. Please note that the online GUI web interface is not recommended and for some industries, such as healthcare, is not a valid method.

You will need to determine the best upload method for your initial load, which may not be the best option for ongoing maintenance. Each option below is described to help you ascertain whether it would suit your circumstances. Things to consider are: number of products to load and maintain, cost, level of integration with other internal IT systems, your ability to provide consistently high quality timely and accurate data.

Some options refer you to user guides that are external to this document.

Manual Data Upload methods are:

- Online - via the Graphical User Interface (GUI)
- GS1net Browser Template

Automated/Integrated Data Upload methods are:

- GS1net Certified Product
- In-house developed upload files

Online - via Graphical User Interface (GUI)



This option bypasses the business data validation rules and is not valid for some industries. This option is not recommended.

This option bypasses the business validation rules which can mean your data may inadvertently be of lower quality than those suppliers using the other upload options. The onus is on you to ensure you have complied with the business validation rules to ensure your customers can rely on the quality of your data.

Process Overview: Login to GS1net, add new products and prices, save.



After 30 minutes of inactivity, you will be logged out of the system.

GS1net Browser Template

The GS1net Browser Template (BT) Service is provided as a cost effective entry method for uploading and maintaining data on GS1net. Data is entered into the BT worksheets. The BT is primarily a Microsoft Excel spreadsheet, pre-populated with GS1net data attribute headers. Functionality associated with and built into the spreadsheet allows a user to both import and generate a GS1net Delimited Data File (DDF). Once generated, a user can then upload their Item and Price DDF to GS1net via the GS1net Validator. Please note that in order to use the BT as a data upload tool, users must have a current subscription (fees apply) to the GS1net Browser Template Service.

GS1net Browser Template users should consider using one of the GS1net certified products, see section “GS1net Certified Products” below.

For more information on the GS1net Browser Template Service and User Guide go to the ‘GS1net Data Loading Tool’ section within the ‘GS1net™ - Data Synchronisation Service’ web page.

The GS1net Browser Template User Guide (BT) contains the instructions to install and use the BT and the steps required to upload the Delimited Data File (DDF) produced by the BT into GS1net via the GS1net Validator.



Confirm your data has loaded by checking your Data Load Status Report - see section **Confirm your Upload – Data Load Status Report (DLSR)**

GS1net Certified Products

Your company should decide on a sustainable method of uploading and maintaining data onto your GS1net catalogue on an ongoing basis. Certified product providers can assist with this. GS1net uploads are supported by an extensive group of GS1net Certified Product providers; GS1 Australia recommends that suppliers use a ‘Certified Product’.

Refer to the link below for a list of GS1net Certified Products:

http://www.gs1au.org/services/gs1net/certification_program/certified_products.asp.

For further information regarding the GS1net Certified program, refer to:

http://www.gs1au.org/services/gs1net/certification_program/.

GS1 Australia recommend all suppliers to seriously consider using one of the GS1net Certified Products.

Process Overview: This will vary depending upon the GS1net Certified Product, but in essence, you will:

- populate your certified product, usually automated from backend systems
- automatically validate your data locally in the certified product, including any additional validations your company has added beyond those for GS1net.
- GS1net Certified Product will connect to GS1net, load your data via the GS1net validator and display the resultant load success.

This option requires a connection via: **AS2, HTTP/s, or FTP** which attract additional fees. Usually it will be your Certified Product provider who arranges the connection and may bundle the cost into the overall service.

In - house developed

Alternatively, your company can create your own DDF or GS1 XML files and then send it to GS1net via an AS2, FTP or HTTP/s connection.

Please note that this can be a higher-maintenance option.



To discuss this approach, please contact the GS1net Technical department. GS1 Professional Services may be engaged to assist and/or project manage your in-house development project.



A full catalogue extract should not be uploaded every time. Only upload item and price records that are either new or have been modified. Uploading a full catalogue every time will generate unwanted updates for your trading partners.

GS1net Certified Products ensure this does not occur by comparing extracted records against the last successful upload. Only new or modified records are then uploaded to GS1net.

In-house development requires a connection via: **AS2**, **HTTP/s**, or **FTP**. For more information on:

- connectivity options and costs
- message formats
- sample messages

Refer to the 'GS1net Developers & Certified Product Providers' section within the 'GS1net™ - Data Synchronisation Service' web page.

For information regarding the GS1net Validator and associated Business Validation Rules, refer to 'Validating Data' within the "Browser Template, Validator & Training" section within the 'GS1net™ - Data Synchronisation Service' web page.

Confirm your Load – Data Load Status Report (DLSR)

For suppliers using manual data upload methods, the **Data Load Status Report (DLSR)** is **confirmation that your data has successfully loaded into your GS1net catalogue**. If you cannot see/find your DLSR please contact the GS1net Services Support team on 1300 366 033.




A Green or Amber GS1net Validator report does not guarantee a successful upload to your GS1net catalogue.

For suppliers using an automated data upload option, please refer to either your GS1net Certified product provider or in-house development team to determine whether load reconciliation functionality is included within your software.

For suppliers without load reconciliation functionality, reconciliation should be part of every upload procedure.

To access the Data Load Status reports, go online via the GS1net GUI; select Data Load Status from within the Catalogue Reports group (Main Menu).

The Load Status Reports screen displays a table of reports, sorted by Date/Time. To view a report, select a radio button and click 'View/Download Report' from the menu option.

GS1net Australasia

> [Supplier Super User Search](#) > [Community Owner Main Menu \(workshop\)](#) > [Load Status Reports](#)

For the Page Displaying Load Status Reports 1 to 20 of 37 <<< First <<< Prev Next >>> Last >>>

Reset

For the page selection

View/Download Report

	Report Date/Time	Line Count	Contains Errors
<input checked="" type="radio"/>	2009-09-23 14:54:48	136	Y
<input type="radio"/>	2009-09-23 14:48:38	38	N
<input type="radio"/>	2009-09-08 12:09:37	16	Y
<input type="radio"/>	2009-09-04 11:49:49	8	N
<input type="radio"/>	2009-07-31 16:48:32	22	Y
<input type="radio"/>	2009-07-31 16:19:28	22	Y
<input type="radio"/>	2009-07-31 15:09:06	30	Y
<input type="radio"/>	2009-07-31 14:38:53	20	N
<input type="radio"/>	2009-07-30 13:18:10	40	Y
<input type="radio"/>	2009-07-30 13:08:56	36	N
<input type="radio"/>	2009-07-30 12:27:53	39	Y
<input type="radio"/>	2009-07-30 12:19:48	66	Y
<input type="radio"/>	2009-07-30 10:58:45	39	Y
<input type="radio"/>	2009-07-24 15:51:14	10	N

Users can choose to download either the full report, errors only report or success only reports. This can be done by selecting the type of report and then clicking 'Download Report' from the menu option.

For the Page
Download Report

Report View: Full Errors Only Successes Only

Report Line Count: 15

Report File Name: 9312345000012.DPMB109CPN.20081208023210.1.131768.xls

Displaying Report Lines 1 to 15 of 15 <<< First <<< Prev Next >>> Last >>>

```

Load Status Report for file 9312345000012.DPMB109CPN.20081208023210.1.131768.xls Processing date/time: 2008-12-08 13:38:03 GMT +11:00 Australia/Sydney

UPDATE or REPLACE requested on ITEM which does not exist, processing skipped for this item, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036,
CHANGE operation failed for ITEM, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036, TargetMarketSub=

UPDATE or REPLACE requested on ITEM which does not exist, processing skipped for this item, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036,
CHANGE operation failed for ITEM, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036, TargetMarketSub=

UPDATE or REPLACE requested on ITEM which does not exist, processing skipped for this item, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036,
CHANGE operation failed for ITEM, GTIN=19312345678928, GLN=9377779184295, TargetMarket=036, TargetMarketSub=

Load Completed: 0 Items Added, 0 Items Updated, 0 Items Deleted, 3 Items with errors
0 Price Relationships Added, 0 Price Relationships Updated, 0 Price Relationships Cancelled, 0 Price Relationships with errors
0 Conditions Added, 0 Conditions Updated, 0 Conditions Withdrawn, 0 Conditions with errors
0 Price Types Added, 0 Price Types Updated, 0 Price Types Withdrawn, 0 Price Types with errors
    
```

Displaying Report Lines 1 to 15 of 15 <<< First <<< Prev Next >>> Last >>>

Report Line Count: 15

Data Load Status reports can also be received as email attachments. To request DLSR's as email attachments, select Maintain Company Profile from within the Company Administration group (Main Menu). Under the Data Input/Output header, ensure that 'Email all reports' has been selected and that appropriate email addresses have been entered into the 'Report Email Address' text box.

Data Input/Output

* **Report Output Option:**

- Do not email reports
- Email only reports with errors
- Email all reports

* **Report Email Address:**

(Multiple addresses can be entered separated by ';')



Always review your DLSR every time you upload to your GS1net catalogue. Alternatively, consult your GS1net Certified Product provider to find out whether your certified product can reconcile your data loads.

Publish your GS1net Catalogue

Once you have confirmed your data has been uploaded in GS1net, the next step is to publish the Data to Data Recipients. No Data Recipient (trading partner) can view or access your data until you have published it specifically to that recipient, except to see the GTIN itself and its unpublished status.

The GS1net Services Support team will assist with the 'initial' publication as part of GS1net / NPC Ready process.

After being pronounced "GS1net Ready", any new items will need to be published to your trading partners. Existing items will also need to be published as new GS1net trading partners are engaged.

Three publication options are available:

- Manual publication via the Maintain Publications option within the GS1net Graphical User Interface (GUI).
- Automated publication using the Auto Publish to Retailers function. Setup and maintenance of the Auto Publish option is maintained within the Company Profile section within the GS1net GUI.
- Publication using GS1 XML messages.



A video outlining the key steps for both Manual and Automated publication is included within the 'GS1net Support Videos' group. The 'GS1net Support Videos' are part of the "Browser Template, Validator & Training" section within the 'GS1net™ - Data Synchronisation Service' web page.

Manual Publication

To publish data to a trading partner:

- Select 'Maintain Publications' from the GS1net GUI 'Main Menu'
- From within the 'Catalogue Publications -Retailer Search/ List' screen, search for and select the trading partner whom you intend to publish GTINs to
- Select 'Maintain Retailer Publications'
- Within the 'Retailer Publications - Item List' screen use the 'Item Search Filters' to display the GTINs required for publication
- Select the GTINs to be published
- Select either 'New Item' or 'Initial Load'
- Select either 'Add Publication(s)' or 'Add Publications for all items in the List'

Select 'Initial Load' when



- ***publishing to your trading partners for the first time, items that you are already in trade with your trading partner.***
- ***re-publishing items for which you previously revoked trading partner access and now wish to reinstate trading partner access***

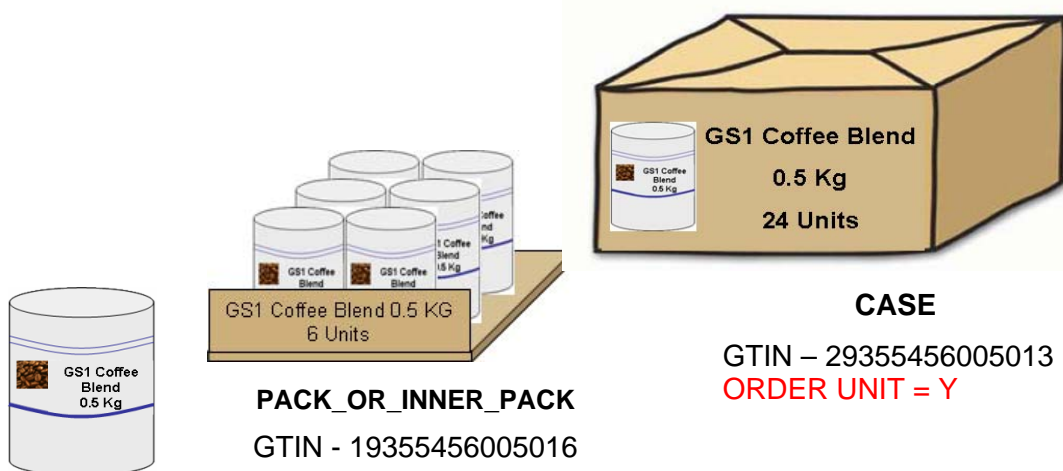
Select 'New Item' when

- ***publishing to your trading partners for the first time, items that you are not currently in trade with your trading partner.***



You don't publish individual GTINs; rather you publish product hierarchies – see explanation below.

Publishable hierarchies exist at the level of the Order Unit and at all higher levels. Typically, the Order Unit is the CASE, the highest level in the hierarchy. It is common for there to be one publishable hierarchy per product SKU. The example below depicts this. The user will only be presented with GTIN 29355456005013, which represents the one publishable hierarchy: your trading partner will receive a 'payload' containing all three levels of the hierarchy - Case-Inner-Base.



BASE_UNIT_OR_EACH
GTIN - 09355456005019

For a single hierarchy, multiple GTINs will be displayed within the Retailer Publication list when the Order Unit is at the lowest level of the hierarchy and/or more than one GTIN within the hierarchy is flagged as an Order Unit.

If a supplier selects all GTINs within the hierarchy for publication, the data recipient will receive multiple 'payloads'. A 'payload' refers to the message sent to trading partners that contain new and updated item data. GS1net will always include the published item and all lower level items within a single 'payload' or message.

Example:

In the example above, if the supplier selected the BASE_UNIT_OR_EACH, PACK_OR_INNER_PACK and CASE for publication, the data recipient will receive the following 'payloads'.

- Payload One: BASE_UNIT_OR_EACH
- Payload Two: BASE_UNIT_OR_EACH and PACK_OR_INNER_PACK
- Payload Three: BASE_UNIT_OR_EACH, PACK_OR_INNER_PACK and CASE

Most data recipients only want a single hierarchy to come through to them (highest level only). This is at times difficult, particularly when a supplier has many GTINs.

Whenever possible, **suppliers should publish at the highest level only.**



Suppliers publishing items to two or more target markets within the one catalogue (i.e. Australia – 036 and New Zealand – 554), should contact the GS1net Services Support team to discuss data loading and publication options.

Automation Publication

The Auto Publish function automates the publication of new items to trading partners. The key features of Auto Publish:

- suppliers must nominate trading partners for Auto Publication
- only new items are auto published – existing items that are un-published will not be auto published
- publication is always at the highest level of the hierarchy
- a price message for an un-published item will trigger the auto publication feature (assuming that the trading partner has previously been included within the Auto Publish list and the Publish with Price option is selected)
- auto publication does not apply when an item is re-set for publication after previously being published and then un-published to a trading partner
- Manual publication via the 'Maintain Publications' screens remain active for all trading partners, including trading partners listed within the Auto Publish list



As part of the GS1net/NPC Ready processes, the GS1net Services Support team will work with suppliers to ensure that initial publication is established for all active trading partners.

Auto Publication Setup

To include trading partners within the Auto Publish list:

- Select 'Maintain Company Profile' from the GS1net GUI 'Main Menu'.
- Select 'Add Auto Publish Retailer' icon to display the 'Automatic Publication - Retailer Search/List'

A screenshot of a web form titled 'Services Required'. It contains several fields with radio button options. The first field is '* GDSN Subscribed?' with 'No' and 'Yes' options, where 'Yes' is selected. The second field is 'Date GDSN Subscribed:' with the value '2009-10-07 12:53:50'. The third field is '* Item Registry Option' with 'Manual' and 'Automatic' options, where 'Automatic' is selected. At the bottom, there is a label 'Add Auto Publish Retailer' followed by a grey button with three dots.

Services Required

* indicates a required field

* **GDSN Subscribed?:** No Yes

Date GDSN Subscribed: 2009-10-07 12:53:50

* **Item Registry Option** Manual Automatic

Add Auto Publish Retailer

- Select the trading partner for Auto Publication
- Select 'Publish with Price', select Submit

Services Required

* indicates a required field

* **GDSN Subscribed?:** No Yes

Date GDSN Subscribed: 2009-10-07 12:53:50

* **Item Registry Option** Manual Automatic

Auto Publish to Retailer Name	Publish with Price	Remove Auto Publish
Oz Shop	<input checked="" type="radio"/>	<input type="radio"/>
World's Best Supermarket	<input checked="" type="radio"/>	<input type="radio"/>

Add Auto Publish Retailer

GS1 XML – Publication Message

To determine whether GS1 XML publication messages are supported, suppliers using a GS1net Certified Product should contact their product provider.

For companies using In-House developed and supported GS1 XML messages, contact your GS1net Administrator or development team to determine the correct method for publishing items to your GS1net trading partners.

Updating your GS1net Catalogue

Once you have been declared *GS1net Ready* and your products have been published to the trading partners, it is your responsibility to update and maintain the data in your GS1net catalogue.

In order to properly maintain your catalogue you will need to understand the concepts of a CHANGE versus CORRECTION. The Action Code used will determine whether you are intending the record to be read as a change or correction.

Change is for an update that truly is a change. For example, an update to the product specifications, this may be to the product dimensions. The change action code is also used when modifications are made to a price record.

Correction is when you need to correct a mistake. For example, an item with a blue label was incorrectly registered with a black label. A 'correct' action code is used to update the item record.

Please note that after publication, some data fields can be:

1. Both CHANGED and CORRECTED
2. CORRECTED but NOT CHANGED
3. CHANGED by certain amount or percentage only.



Some data fields cannot be CHANGED or CORRECTED after the publication. This is indicated, per data attributed in the CHANGE/CORRECT section of each page in the Item and Price Data Dictionaries.

Some of the most common scenarios are:

Scenario	Action Code	Field to be updated
Company has changed the dimensions of the product (by less than 20%).	CHANGE	Height, Width or Depth.
Company will discontinue a product.	CHANGE	End Availability Date.
Company will end date a pricing record.	CHANGE	Effective End Date Effective End Date Context
Company has sent an incorrect product description.	CORRECT	Trade Item Description.
Company has changed the Price Start Date of the product.	CORRECT (if start date in the future)	Start Availability Date.



The action code value used within GS1 XML and Delimited Data File (DDF) messages is CHANGE_BY_REFRESH.

Updating Net Content and Dimensions

Please note that some data fields such as Dimensions, Net Content and Gross Weight can only be changed by 20%. This means that your DLSR will fail if the value in these fields changes by more than 20%.



You need to comply with the GS1 Standards when changing the net content, gross weight and/or dimensions of your products as in some cases a new GTIN is required.

For more information, please refer to GTIN allocation Rules please visit:
http://www.gs1au.org/membership/change_gtin.asp

End Dating an Item

One of the fields that you will need to update in the Master Data Section is End Availability Date.

For GTINs that are currently available in the market, this field is generally blank. You will need to update this field if the GTIN or item hierarchy is to be discontinued.



Usually, all items in the product hierarchy must be end-dated to end date the product. An exception would be if supplier introduces a new case pack end dates the previous one, but keeps the same base item, which itself would not be end dated.

If you are using the GS1net Browser Template, please use the action code CHANGE against the GTINs to be End-Dated.

If you are using GS1 XML, please use the action code CHANGE_BY_REFRESH against the GTINs to be End-Dated

To view an example of an End Dated Item, go to the 'Grocery and Liquor Industry' section within the 'GS1net™ - Data Synchronisation Service' web page.

Updating Prices and Allowances

One of the fields that you will need to update in the Pricing Data Section is Price Effective End Date.

For GTINs whose price is still valid this field is generally blank. To update the current price, enter a date within the Price Effective End Date field and then create a new price record. When end dating a price record it is critical that any associated Allowance and or Charge records are also end dated (values must be aligned).

If you are using the GS1net Browser Template or GS1 XML, please use the action code CHANGE_BY_REFRESH against the prices to be updated (note in XML the price action is contained in the item depiction loop)

Tip 1 - When creating a new price for a product for a specific data recipient, you must first end date the previous price and allowance.



Tip 2 – Your pricing record will be rejected if the date range overlaps an existing price record date range (assuming all other price attributes are identical)

Tip 3 - when List Prices are end-dated, any related Allowances or Charges must also be end dated. The Allowance or Charge end-date cannot be left blank, or be a date other than the Price end-date.

Tip 4 - when changing prices and allowances online, the allowances must be end dated first and then the list prices.



GS1net User Guide ‘Cookbook’

For Suppliers implementing and using GS1net in Australia
& New Zealand

March 2010

Grocery and Liquor Industry

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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

Liquor IMR (Industry Market Read) Solution

What is the Industry Market Read solution?

The Liquor Merchants Association of Australia (LMAA) is working with members and industry to develop an Industry Market Read solution that facilitates accurate and efficient sales reporting. This solution, referred to as the IMR, will leverage GS1net as the single source of Item Data.

Companies participating in the LMAA IMR solution would benefit from:

- GS1net Compliance as a trading requirement for the major liquor retailers and wholesalers in Australia
- Access to Wholesale Sales Market data, data analysis and reporting
- Automation of the data provision process for the Thompsons Liquor Guide (www.liquorguide.com.au)

Does the IMR require any additional data from that required by the Liquor Retailers and Wholesalers?

Yes. The IMR solution is based on data already populated for Liquor Retailers and Wholesalers. The only difference is that the IMR requires that specific **GPC Attributes and Attribute Values** be populated together with the Published Wholesale Price.

For more information on the IMR, please contact the LMAA directly to discuss their data requirements:

Contact Information

Sandra Przibilla - sandrap@liquormerchants.org.au

Ben Gouw - bgouw@liquormerchants.org.au

Switch - 1800 257 286

www.liquormerchants.org.au

For GS1net assistance, contact the GS1net Services Support team on 1300 366 033 or www.gs1au.org

What is GPC?

To ensure products are classified correctly and uniformly, GS1net uses GS1 Global Product Classification (GPC), a system that gives buyers and sellers a common language for grouping products in the same way, everywhere in the world.

This improves the GS1net's data accuracy and integrity, speeds up the supply chain's ability to react to consumer needs, and contributes to breaking down language barriers. It also facilitates the reporting process across product silos.

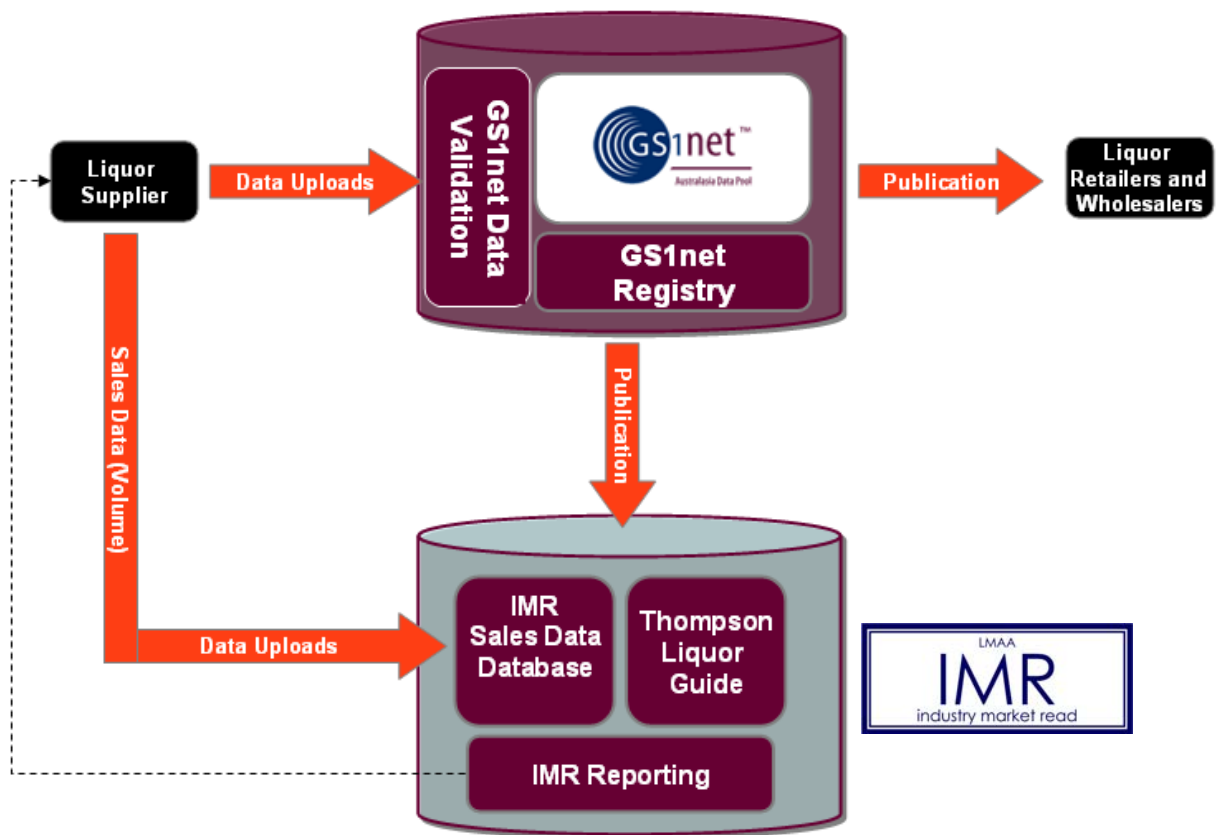
The foundation of GPC is called a "Brick;" GPC bricks define categories of similar products. Using the GPC brick as part of GDSN ensures the correct recognition of the product category across the extended supply chain, from seller to buyer. Bricks can be further characterised by Brick Attributes.

More information about GPC, GPC Bricks and Brick attributes can be found at:

<http://www.gs1.org/gsm/kc/gpc>

How does the IMR work?

The following diagram depicts the process and data flows from GS1net to the IMR:



Appendix

IMR GS1net Item Data Requirements

The Following GS1net Item Data Fields are required for the IMR

1. GTIN
2. GLN of Information Provider
3. Target Market Country Code
4. Trade Item Hierarchy Level
5. Classification Category Code/Name (GPC Brick Code)
6. Attribute Type Code (GPC Attribute Code)
7. Attribute Value Code (GPC Attribute Value Code)
8. Brand Name
9. Sub-Brand
10. Functional Name
11. Variant
12. Trade Item Description
13. Short Description
14. Country of Origin
15. Is Trade Item the Lowest Level of the Hierarchy
16. Is Trade Item a Consumer Unit
17. Is Trade Item a Variable Unit
18. Product Width
19. Product Width Unit of Measure
20. Product Height
21. Product Height Unit of Measure
22. Product Depth
23. Product Depth Unit of Measure
24. Net Content
25. Net Content Unit of Measure
26. Product Net Weight
27. Product Net Weight Unit of Measure
28. Product Gross Weight
29. Product Gross Weight Unit of Measure
30. Packaging Material Code List Maintenance Agency
31. Packaging Material Code
32. Packaging Material Composition Quantity
33. Packaging Material Composition Unit of Measure
34. Packaging Type Code
35. Trade Item Group ID
36. Trade Item Group Description
37. Additional Trade Item Identification Type
38. Additional Trade Item Identification Value
39. Replacement of Previous GTIN
40. Type of Expiration Date on Package
41. Product Packaging Marked as Returnable Y/N
42. Class of Dangerous Goods
43. Dangerous Goods Hazardous Code
44. Dangerous Goods Packaging Group
45. UN Dangerous Goods Number
46. Tax Agency Code
47. Tax Type code
48. Tax Type Description
49. Tax Rate
50. Selling Unit of Measure
51. Effective Date
52. Publication Date
53. Start Availability
54. End Availability
55. First Order Date / Time
56. Minimum Order Quantity
57. Order Quantity Multiple
58. Is Trade Item a Despatch Unit
59. Is Trade Item an Invoice Unit
60. Is Trade Item an Orderable Unit
61. Minimum Trade Item Lifespan from Time of Production

62. Minimum Trade Item Lifespan from Time of Arrival
63. Quantity of Trade Items per Pallet
64. Quantity of Layers per Pallet
65. Number of Trade Items Contained per Pallet Layer
66. Base Units per Pallet
67. Pallet Height / mm
68. Pallet Width / mm
69. Pallet Depth / mm
70. Pallet Volume / m3
71. Pallet Net Weight / kg
72. Pallet Gross Weight / kg
73. Additional Classification Agency Name
74. Additional Classification Category Code
75. Additional Classification Category Description
76. Import Classification Type
77. Import Classification Value
78. Child GTIN
79. Child Quantity
80. Percentage of Alcohol by Volume
81. Is Trade Item Genetically Modified?
82. Public Release Date
83. GTIN of Base Unit
84. Number of Base Units
85. Units per Package
86. Region(s) of Origin

MR GS1net Price Data Requirements

The Following GS1net Price Data Fields are required for the IMR

1. GLN of Recipient
2. Relationship ID
3. Price Type ID
4. Price Type
5. Price Type Name
6. Price Application Sequence
7. Price Basis Quantity
8. Price Basis Quantity / UOM
9. Price Value
10. Price Value Type
11. Effective Start Date
12. Effective Start Date Context
13. Effective End Date
14. Effective End Date Context
15. Distribution Method
16. Alternate Location Grouping
17. Reason for Price Action
18. Target Price ID
19. Target Market Subdivision

What are the required Global Product Classification (GPC) Attributes?

The following list contains the required **GPC Attributes** for specific **GPC Bricks**:

For GPC Brick equals:	Required Attributes	Example of Attribute Value
10000276 Wine – Still	20000217 Colour of Wine 20000081 Grape Variety 20000122 Level of Alcohol Claim 20000706 Origin of Wine – Still 20000212 Type of Still Wine	30001983 Red 30002515 Unclassified 30002518 Unidentified 30002610 White 30002816 Rose
10000273 Wine – Fortified	20000233 If Vintage 20000705 Origin of Wine – Fortified 20000219 Style of Fortified Wine 20000072 Type of Fortified Wine	
10000275 Wine – Sparkling	20000217 Colour of Wine 20000081 Grape Variety 20000122 Level of Alcohol Claim 20000223 Method of Production 20000704 Origin of Wine – Sparkling 20000177 Sweetness of Sparkling Wine 20000164 Type of Sparkling Wine	
10000159 Beer	20000098 If Flavoured or Added Ingredient 20000122 Level of Alcohol Claim 20000502 Origin of Beer 20000170 Style of Beer 20000017 Type of Beer	
10000263 Spirits	20000003 Age of Spirit 20000098 If Flavoured or Added Ingredient 20000707 Origin of spirit 20000237 Style of Spirit 20000166 Type of Spirit	
10000227 Liqueurs	20000242 Added Flavouring 20000240 If Cream Liqueur 20000189 Type of Alcoholic Beverage Content 20000126 Type of Liqueur	
10000144 Alcoholic Pre-mixed Drinks	20000189 Type of Alcoholic Beverage Content 20000006 Type of Alcoholic Pre-mixed Drink 20002575 Type of Non-alcoholic Beverage Content	
10000181 Cider/Perry	20000036 Cider/Perry 20000093 If Carbonated 20000098 If Flavoured or Added Ingredient 20000122 Level of Alcohol Claim 20000742 Level of Sweetness 20000503 Origin of Cider/Perry	
10000142 Alcohol Making Kits	20000004 Type of Alcohol Making Kit	
10000143 Alcohol Making Supplies	20000005 Type of Alcohol Making Supply	
10000589 Alcoholic Cordials/Syrups	20000122 Level of Alcohol Claim 20000752 Type of Alcoholic Cordial/Syrup	
10003689 Non-Grape Fermented Alcoholic Beverages - Sparkling	20000122 Level of Alcohol Claim 20000751 Type of Non-Grape Fermented Alcoholic Beverage	
10000588 Non-Grape Fermented Alcoholic	20000122 Level of Alcohol Claim 20000751 Type of Non-Grape Fermented	

Beverages - Still	Alcoholic Beverage	
1000623 Beverages Variety Packs		
1000591 Alcoholic Beverages Variety Packs		

Please Note: The above table is based on GPC as at 30th June 2008. This is the most recent version of GPC at the time of creating this Fact Sheet.

Australian Tax Office (ATO) Process

The Australian Taxation Office (ATO) has issued a binding ruling explaining how the food and grocery industry can rely on GS1net to find out, with certainty, which food and beverage products have GST included in the price, which are GST-free and the approved GST value.

Once you have populated your GS1net catalogue and prior to becoming GS1net Ready, all food and grocery items will be sent to the ATO for GST approval

On an ongoing basis all food and grocery items loaded into your GS1net catalogue that have not been previously allocated an ATO approved status, will be sent to the ATO for GST approval.

ATO Process

- GS1 Australia provide the ATO with a list of items loaded into GS1net that have yet to be granted ATO approved status.
- The ATO reviews the items and allocates either an approved or unapproved status to each item. The updated list is then forwarded to GS1 Australia.
- For all ATO approved items, the ATO status within GS1net is updated.
- For all non ATO approved items, an automatically generated email is sent to the nominated Taxation contact (refer to *Updating your Taxation contact details* below). The email includes the GTIN, GTIN Description, GST Rate and GST Free to End Consumer (FEC) value.
- Suppliers with an unapproved ATO status may choose to:
 - Update the item within GS1net after reviewing the GST rate or FEC value. As the item has not been previously granted an ATO approved status, the item will be re-submitted to the ATO as part of the normal approval process
 - Contact the ATO to query the unapproved status. Following discussions with the ATO, the supplier and the ATO may agree:
 - Supplier to update the item within GS1net. As the item has not been previously granted an ATO approved status, the item will be re-submitted to the ATO as part of the normal approval process
 - Supplier does not need to update the item within GS1net. To re-submit the item to the ATO, the supplier must contact GS1net Services Support who will then 'flag' the item for re-submission. The item will be re-submitted to the ATO as part of the normal approval process

Updating your Taxation contact details:

To update the Taxation contact details, go online via the GS1net GUI; select Maintain Company Profile from within the Company Administration group (Main Menu).

Item Hierarchy Examples (Grocery and Liquor)

Single Level Product Hierarchy



Pedigree Meaty-Bites 13Kg

BASE_UNIT_OR_EACH

Two Level Product Hierarchy



SPC Baked Beans 850g

BASE_UNIT_OR_EACH



SPC Baked Beans 850g x 6

CASE

Three Level Product Hierarchy



H&S Shampoo 400ml

BASE_UNIT_OR_EACH



H&S Shampoo 400ml x 6

PACK_OR_INNER_PACK



H&S Shampoo 400ml x 6 x 4

CASE

Multi-Pack Product Hierarchy



Yoplait Strawberry



Yoplait Fruit Salad



Yoplait Strawberry x 4
Yoplait Fruit Salad x 4



Yoplait Mixed Pack x 6

BASE_UNIT_OR_EACH

PACK_OR_INNER_PACK

CASE

Data Population Examples (Grocery and Liquor)






GTIN: 09355456005019



GTIN: 19355456005016



GTIN: 29355456005013

Field	BASE UNIT 	INNER PACK 	CASE 
Action Code	ADD	ADD	ADD
GTIN	09355456005019	19355456005016	29355456005013
GLN of Information Provider	09312345000104	9312345000104	9312345000104
Target Market Country Code	036	036	036
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH	PACK_OR_INNER_PACK	CASE
GTIN of Base Unit		09355456005019	09355456005019
Number of Base Units		6	24
Child GTIN		09355456005019	19355456005016
Child Quantity		6	4
Trade Item Description	GS1 ValuePlus Coffee Blend - 0.5 KG	GS1 ValuePlus Coffee Blend 0.5 KG x 6	GS1 ValuePlus Coffee Blend 0.5 KG x 6 x 4
Brand Name	GS1	GS1	GS1
Sub-Brand	ValuePlus	ValuePlus	ValuePlus
Functional Name	Coffee	Coffee	Coffee
Variant	Blend 1	Blend 1	Blend 1
Short Description	VPlus Coffee Blend 1 - 0.5 KG	VPlus Coffee Blend 1 - 0.5 KG	VPlus Coffee Blend 1 - 0.5 KG

Field	BASE UNIT	INNER PACK	CASE
Country of Origin	036	036	036
Is Trade Item the Lowest Level of the Hierarchy?	Y	N	N
Is Trade Item a Consumer Unit?	Y	N	N
Is Trade Item a Despatch Unit?	N	N	Y
Is Trade Item an Invoice Unit?	N	N	Y
Is Trade Item an Orderable Unit?	N	N	Y
Is Trade Item a Variable Unit?	N	N	N
Is Non-Sold Trade Item Returnable?	N	N	N
Promotional Item Indicator	N	N	N
GPC Code	10000111	10000111	10000111
Additional Classification Agency Name	50201706	50201706	50201706
Additional Classification Category Code	Coffee	Coffee	Coffee
Additional Classification Category Description	5	5	5
Additional Trade Item Identification Type	SUPPLIER_ASSIGNED	SUPPLIER_ASSIGNED	SUPPLIER_ASSIGNED
Additional Trade Item Identification Value	VPBlend 1	VPBlend 1	VPBlend 1
Trade Item Group ID	0006	0006	0006
Trade Item Group Description	Value Plus Range	Value Plus Range	Value Plus Range
Effective Date	2007-02-15	2007-02-15	2007-02-15
Publication Date	2007-03-01	2007-03-01	2007-03-01
Start Availability Date	2007-03-15-00.00.00	2007-03-15-00.00.00	2007-03-15-00.00.00
First Order Date	2007-02-01	2007-02-01	2007-02-01
Consumer Availability Date	2007-06-15-00.00.00	2007-06-15-00.00.00	2007-06-15-00.00.00
Public Release Date	2007-06-15	2007-06-15	2007-06-15
Units per Package		6	4
Product Net Weight	0.5	3.006	12.224
Product Net Weight UOM	KG	KG	KG
Product Gross Weight	0.501	3.056	12.274
Product Gross Weight UOM	KG	KG	KG
Product Width	50	44	96
Product Width UOM	MM	MM	MM
Product Height	80	85	90
Product Height UOM	MM	MM	MM
Product Depth	20	156	320

Field	BASE UNIT	INNER PACK	CASE
Product Depth UOM	MM	MM	MM
Tax Agency Code	ATO	ATO	ATO
Tax Type Code	GST	GST	GST
Tax Type Description	Goods and Services Tax	Goods and Services Tax	Goods and Services Tax
Tax Rate	10	10	10
GST Free ONLY to End Consumer	N	N	N
Packaging Material Code	34	37	37
Packaging Material Code List Maintenance Agency	E	E	E
Packaging Material Composition Quantity	0.001	0.05	0.05
Packaging Material Composition Quantity UOM	KG	KG	KG
Packaging Type Code	PA	CTN	CTN
Packaging Marked as Returnable	Y	Y	Y
Type of Expiration Date on Package	BEST_BEFORE_DATE	BEST_BEFORE_DATE	BEST_BEFORE_DATE
Minimum Trade Item Lifespan from Time of Production	120	120	120
Minimum Trade Item Lifespan from Time of Arrival	90	90	90
Storage Handling Temperature Minimum	2	2	2
Storage Handling Temperature Minimum UOM	CE	CE	CE
Storage Handling Temperature Maximum	12	12	12
Storage Handling Temperature Maximum UOM	CE	CE	CE
Ordering Lead Time			5
Ordering Lead Time UOM			DA
Selling UOM	EA		
Minimum Order Quantity			8
Order Quantity Multiple			8
Number of Layers within the Trade Item			1
Units in Width of Layer (Trade Item)		2	2
Units in Depth of Layer (Trade Item)		3	2
Trade Items per Pallet Layer			8
Number of Layers per Pallet			12
Trade Items per Pallet			96
Base Units per Pallet		576	2304
Pallet Height (MM)			1170
Pallet Width (MM)			1165

Field	BASE UNIT	INNER PACK	CASE
Pallet Depth (MM)			1165
Pallet Volume (m3)			1.587953
Pallet Net Weight (KG)			1178.304
Pallet Gross Weight (KG)			1228.304
Is Trade Item Genetically Modified?	N	N	N
Is Product Remanufactured or Reconditioned?	N	N	N

End Dating an Item Hierarchy Example

The company ABC will discontinue the product ABC LIQUID DETERGENT 1LT.

Action Code	GTIN	Trade Item Hierarchy Level	Description	End Availability Date
	09339543985644	BASE_UNIT_OR_EACH	ABC LIQUID DETERGENT 1LT	
	19339543985641	CASE	ABC LIQUID DETERGENT 1LT x 10	

To **End Date** this product, enter the End Availability Date and use action code Change.

Action Code	GTIN	Trade Item Hierarchy Level	Description	End Availability Date
CHANGE	09339543985644	BASE_UNIT_OR_EACH	ABC LIQUID DETERGENT 1LT.	2009-01-01
CHANGE	19339543985641	CASE	ABC LIQUID DETERGENT 1LT x 10	2009-01-01

Pricing

Each pricing record on GS1net must be recorded against a particular data recipient (trading partner). For example, if a product contained the same price for Coles and Metcash, the supplier will need to enter two separate pricing records.



Discounts (Allowances) in GS1net are of the form of 'Off Invoice' discounts. Rebates are not 'Off Invoice' discounts, but rather come into effect after certain agreed thresholds such as total annual spend or quantity buys have been met. They are often implemented as credits back to the customer after the threshold has been met. GS1net does not support rebates. They are not to be included in any prices loaded into GS1net.

Pricing on GS1net is GST Exclusive.

Price Types

There are several price types available on GS1net, such as List, Contract, Transaction, Allowances etc. The price types typically supported in the Supermarkets and Liquor sector are 'List' prices (price associated with an item exclusive of all allowances, charges and taxes) and any 'Allowances' deduction reflected on an invoice) or 'Charges' (additional charge reflected on invoice).

Every product must have at least one of the GTINs in its item hierarchy flagged as the "Invoice unit". Pricing records are attached to those GTINs flagged as the 'Invoice Unit'. The data recipient will use the 'List' price and any allowances and charges to calculate the actual invoice price (last cost) for the product.

Updating Pricing and Allowances Example

The company ABC will increase the price of the product ABC LIQUID DETERGENT 1LT from \$12 to \$15. Product has an allowance of 5%. The new price is to commence on Monday 12th January 2009.

Action Code	GTIN	Price Type	Price	Price Value Type	Effective Start Date	Effective Start Date Context	Effective End Date	Effective End Date Context
	19339543985641	LIST_PRICE	12	VALUE	2008-01-01	FIRST_ORDER_DATE		
	19339543985641	ALLOWANCE	5	PERCENTAGE	2008-01-01	FIRST_ORDER_DATE		

Within the current active price records, fields 'Effective End Date' and 'Effective End Date Context' are populated. The new price is to commence on Monday 12th Jan, the end date entered is therefore Sunday 11th Jan. The 'Effective End Date Context' is always 'LAST_ORDER_DATE' and the action code must be 'CHANGE_BY_REFRESH'.

New records are added for the 'LIST_PRICE' and 'ALLOWANCE' records. The 'Effective Start Date Context' is always 'FIRST_ORDER_DATE' and the action code must be 'ADD'.

Action Code	GTIN	Price Type	Price	Price Value Type	Effective Start Date	Effective Start Date Context	Effective End Date	Effective End Date Context
CHANGE_BY_REFRESH	19339543985641	LIST_PRICE	12	VALUE	2008-01-01	FIRST_ORDER_DATE	2009-01-11	LAST_ORDER_DATE
CHANGE_BY_REFRESH	19339543985641	ALLOWANCE	5	PERCENTAGE	2008-01-01	FIRST_ORDER_DATE	2009-01-11	LAST_ORDER_DATE
ADD	19339543985641	LIST_PRICE	15	VALUE	2009-01-12	FIRST_ORDER_DATE		
ADD	19339543985641	ALLOWANCE	5	PERCENTAGE	2009-01-12	FIRST_ORDER_DATE		



When date only values are entered for **Effective End Date** and **Effective Start Date**, data recipients apply logic:

- A price record is active until the **end** of the Effective End Date
- A price record is active from the **start** of the Effective Start Date

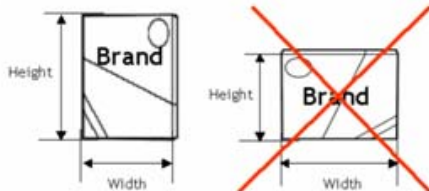
Product Dimensions Example



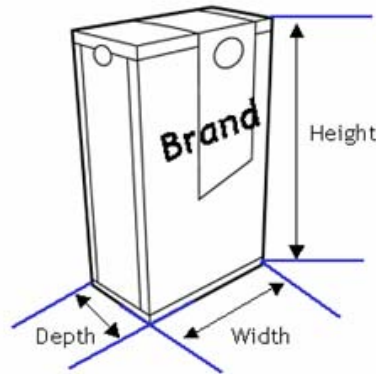
Product Dimension - Consumer Unit

- After the Default Front has been determined, it is possible to determine the height, width and depth of Consumer (End-User) Item:

Height: from the base to the top
Width: from the left to the right
Depth: from the front to the back



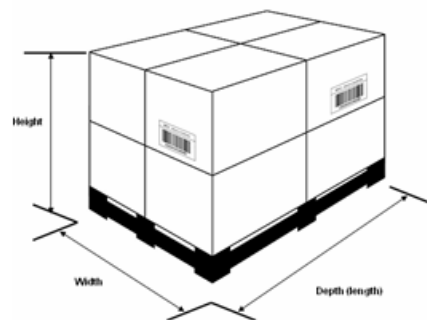
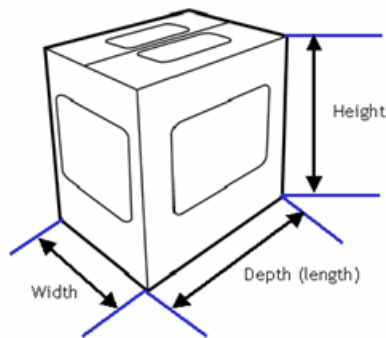
If there is multiple faces on a product, always take the **Portrait Face** as the Default Front



Product Dimension - Non-Consumer Unit

- After the Natural Base has been determined, it is possible to determine the height, width and depth of a non-consumer item:

Height: The measure from the base to the top
Width: The shortest side of the base
Depth: The longest side of the base



- For detailed package measurement guidelines

http://www.gs1.org/docs/gsm/gdsn/GDSN_Package_Measurement_Rules.pdf



GS1net User Guide ‘Cookbook’

For Suppliers implementing and using GS1net in Australia
& New Zealand

February 2011

Healthcare Industry

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Document Version Control

Release	Nature of Change/Comments	Author
Feb 2011	Diagrams and notes added to pricing case examples	M.Robb
Mar 2010	Update community references from 'Australia' to 'Australia & New Zealand'. Add notes for vaccine products within 'Product Range' and 'Pricing' sections	M.Robb
Oct 2009	Initial Release	GS1 Australia

Product Range

The aim is to have all items which are defined as healthcare items, as well as items that are not, but are purchased by hospitals and other types of health units in the healthcare sector, to be loaded, validated and published in the NPC.

Below are some explanations of how some types of items and methods of supply should be managed in the NPC:

Capital and Customisable Items

Capital Items

The supplier should allocate a GTIN to the generic capital item and provide a List Price (an indicative price) with a PDF attached detailing the content of the capital item. Should the data recipient decide to source this item, the customisation process will mean that the item in question will develop from the basic capital item.

Once specifications are agreed for sourcing a particular customised capital item and a contract signed, a new GTIN should be allocated for the customised capital item with its own PDF referencing components. If supplier sells any of the components/software individually, these will be listed separately by their own unique GTINs.

Customisable Products

Most Customisable Products would be handled the same way as Capital Items. Suppliers should load the generic product and then if a product is customised and repeatedly ordered with those exact customisations this should be considered a standard product, allocated a GTIN and a record should be loaded into the NPC.

If the product is fully customisable (i.e., one-off customisations occur every time) then each individual customisation will not be required to be loaded to the NPC, however the generic product will be required to be loaded. For example, Dentists may require the use of 'Crowns' which are customisable for each patient (one-off). Each unique crown is not required to be added to the NPC. A standard crown before any customisation will need to be assigned a GTIN and included in the NPC."

Kits

A medical kit can be defined as any combination of items that form a standard and stable grouping and that can be individually priced or ordered or invoiced; the Brand Owner is responsible for GTIN Allocation.

The kit itself will have its own GTIN. Items within the kit must have their own GTINs and prices if they are priced, ordered or invoiced at any point in the supply chain. (See heading **Consignment items** under Discount structures and the NPC below.). Pricing should follow the pricing logic explained above with regard to contract, invoice or list pricing.

Kits which themselves contain items to which GTINs have been allocated should be entered into the NPC as multipacks (see example in appendix). This means the kit itself is not a base unit but is made up of a number of base items as its Next Lower Level (NLL) GTINs.

Kits which contain items which have no GTINs can be entered into the NPC using the Component and Component Details repeating data structure. The kit itself will be the base unit.

Loan Instruments

Often instruments used for implant operations are provided on loan. They are effectively supplied by default with the ordered theatre kits. No item or price data is required for these instruments if they are simply "dropped into surgery" by the supplier or provided free with the kit, without any formal requisition by the jurisdiction. However, if the jurisdiction raises a formal request/requisition/order for these instruments, then they need to be populated into the NPC in their own right, with both item and pricing data.

Sample Packs

Sample packs are typically a smaller version of an existing product pack size, and carry the same ARTG ID. Although sample packs may not be formally ordered or invoiced, there will be a requirement to retrieve predefined information about the sample packs, and so they will need to be uniquely identified within the hospital.

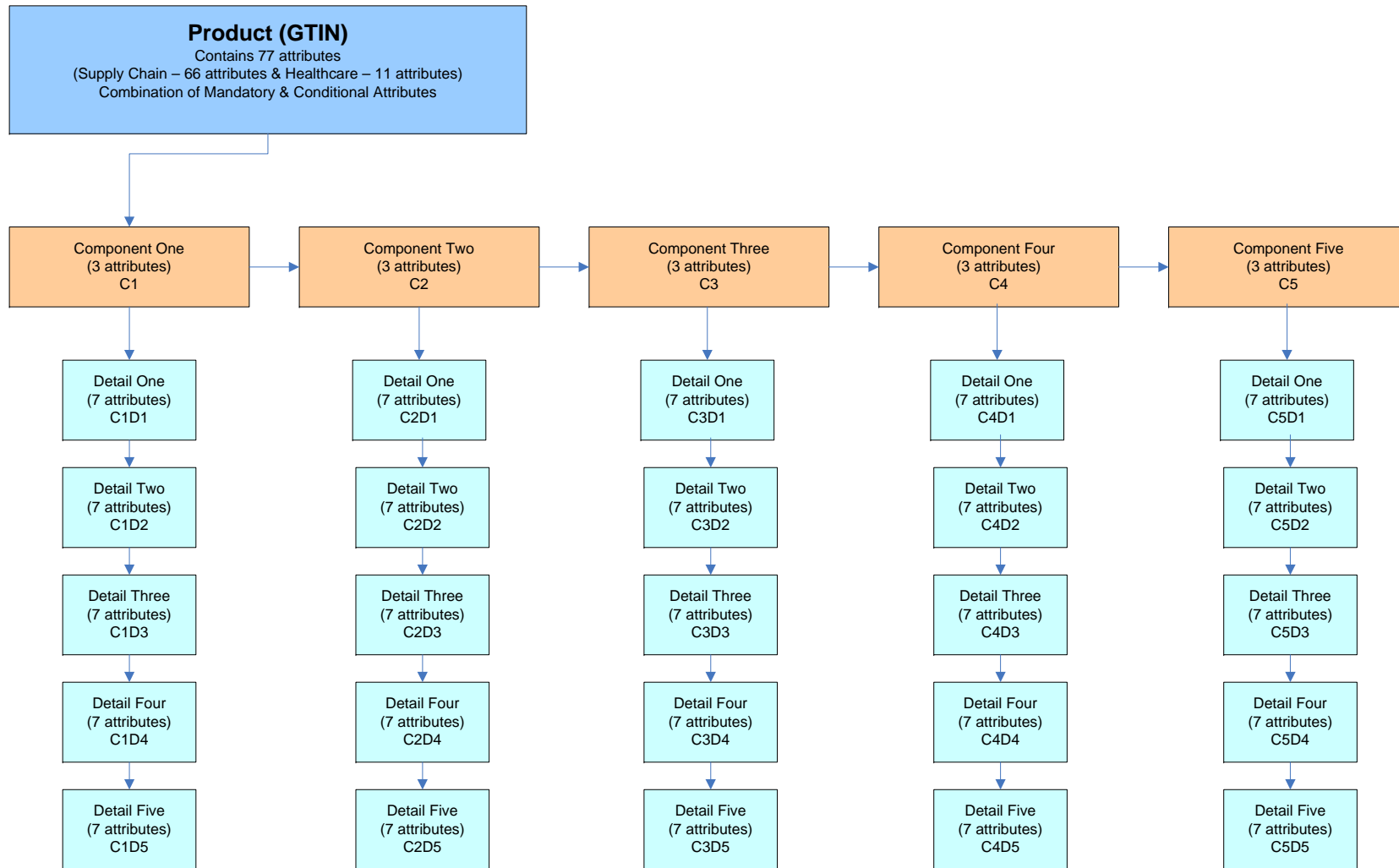
It is recommended that suppliers allocate and populate a GTIN into the NPC for sample packs. Hospitals can then identify them and include them in stock control and availability reporting. Also, the AMT should be populated with all levels of product packaging that is being used within the Healthcare sector.

Having said this, failure to load sample packs to the NPC will not preclude granting of *NPC Populated/NPC Ready* status. If samples are loaded an Invoice price of zero (\$) must be loaded also.

Vaccine Products

Refer Vaccine Products within the **Pricing** section.

Healthcare Data Model



Item Hierarchy Example (Healthcare)

Two Level Product Hierarchy - Medicines

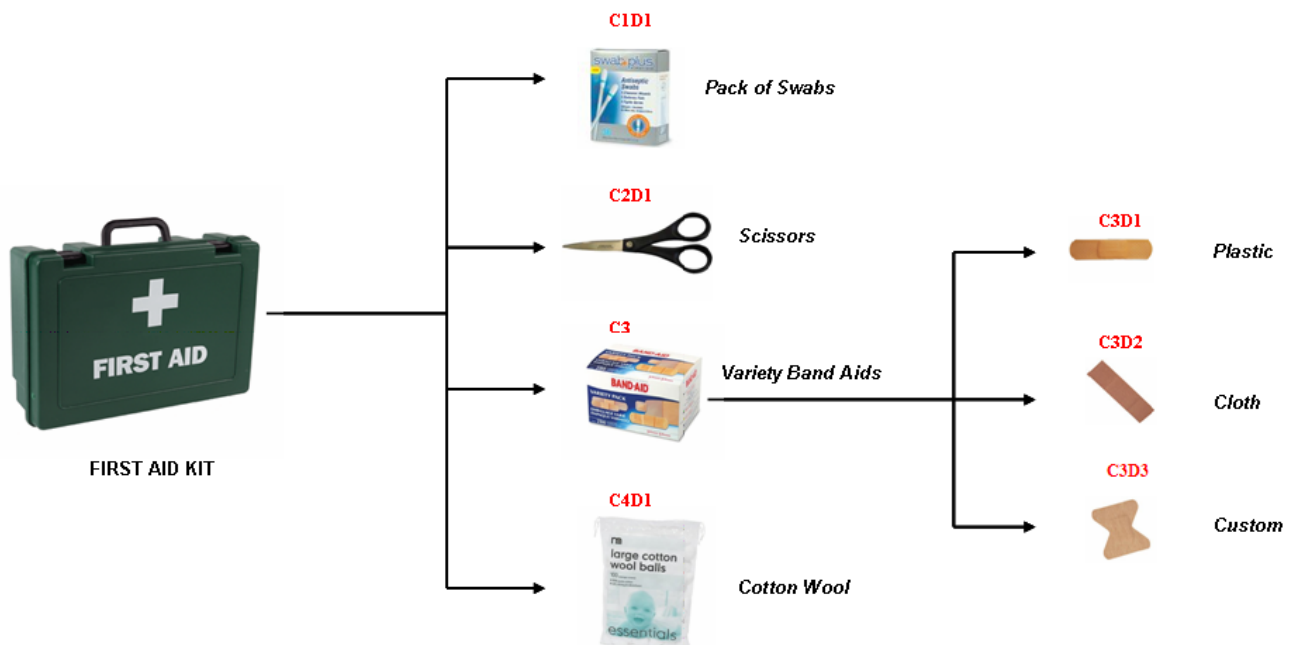


BASE_UNIT_OR_EACH



CASE

Kit



Medical Devices



BASE_UNIT_OR_EACH



MULTIPACK

Component Examples

These examples are to be used as a guide for populating item data for different types of healthcare items, both medicines and devices (Note: sample data should not be considered real or accurate in content).

Example 1 – Medicine, single component with single component detail -

The product is a medicine: Panadol

Single component: The container type is single/blister only. The product has 4 blisters within.

Single component detail – The content of the blister is homogeneous - 25mg gelatin coated tablets – 25 per blister pack.

Panadol, 100 x 25mg gelatin coated tablets in 4 x 25 blister packs

GTIN	09322380000380
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH
Trade Item Description	Panadol Tablets 25mg x 100
Is Trade Item the Lowest Level of the Hierarchy?	Y
Is Trade Item a Consumer Unit?	Y
Is Trade Item a Variable Unit?	N
Net Content	100
Net Content UOM	EA
Is Trade Item a Despatch Unit?	N
Is Trade Item an Invoice Unit?	N
Is Trade Item an Orderable Unit?	N
Child GTIN	-
Child Quantity	-
GTIN of Base Units	-
Number of Base Units	-
ARTG ID	12345
Is Trade Item a Healthcare Item?	Y
TGA Sponsor	Y
TGA Type	R
Label Name	Panadol Tablets 100
Schedule Code	S2
PBS or RPBS	-

COMPONENT

Healthcare Component Type C1	M
Medicine Container Type Code C1	BLPK
No of Identical Medicine Containers or Devices C1	4
Medicine/Device unit name C1D1	25mg tab
Unit of Use GTIN C1D1	-
Medication Form Code C1D1	TAB
Proprietary medication dose form C1D1	-
Countable items C1D1	25
Volume/Weight amount C1D1	-
Volume/Weight unit C1D1	-
Medicine/Device unit name C1D2 - C1D4	-
Unit of Use GTIN C1D2 - C1D4	-
Medication Form Code C1D2 - C1D4	-
Proprietary medication dose form C1D2 - C1D4	-
Countable items C1D2 - C1D4	-
Volume/Weight amount C1D2 - C1D4	-
Volume/Weight unit C1D2 - C1D4	-



Example 2 – Medicine Single Component – Component Detail

The product is a medicine: Triphasil

Single component: The container type is single/blisters only. The product has 1 blister within.

Single component detail – The content of the blister is heterogeneous – 28 pills (with different ingredients) per blister.

Triphasil – 28, Dial dispenser pack

GTIN	09311279000945
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH
Trade Item Description	Triphasil-28
Is Trade Item the Lowest Level of the Hierarchy?	Y
Is Trade Item a Consumer Unit?	Y
Is Trade Item a Variable Unit?	N
Net Content	28
Net Content UOM	EA
Is Trade Item a Despatch Unit?	N
Is Trade Item an Invoice Unit?	N
Is Trade Item an Orderable Unit?	N
ARTG ID	67890
Is Trade Item a Healthcare Item?	Y
TGA Sponsor	N
TGA Type	R
Label Name	Triphasil-28
Schedule Code	-
PBS or RPBS	PBS



COMPONENT

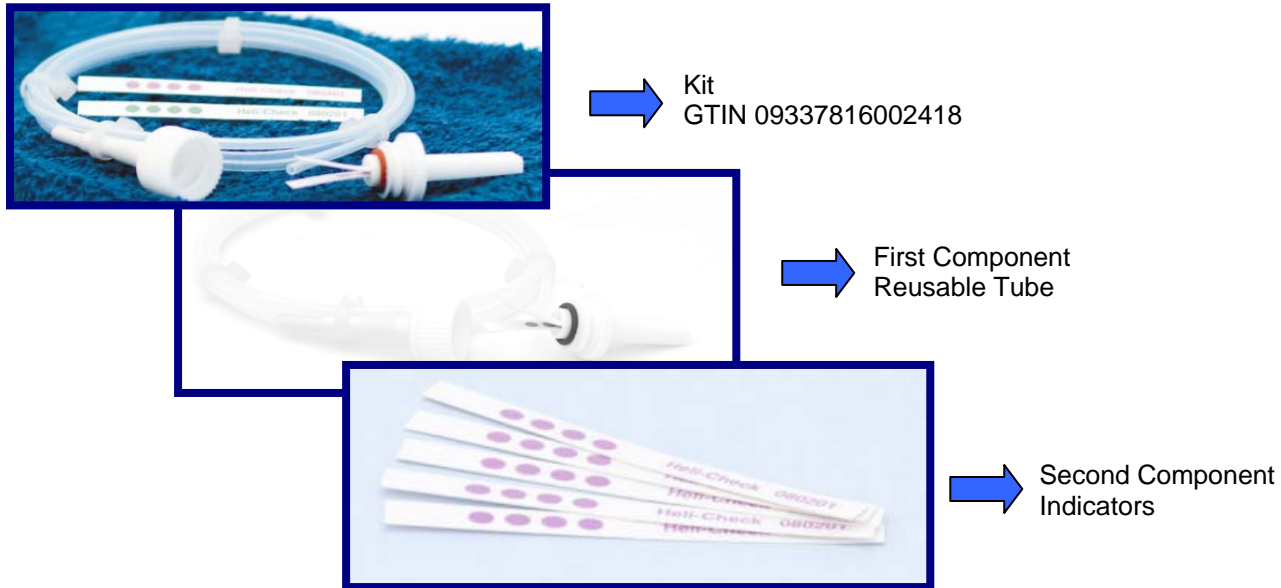
Healthcare Component Type C1	M
Medicine Container Type Code C1	DDPAC
No of Identical Medicine Containers or Devices C1	1
Medicine/Device unit name C1D1	ingred1 12mg,
ingred2 20mg, red	
Unit of Use GTIN C1D1	-
Medication Form Code C1D1	TAB
Proprietary medication dose form C1D1	-
Countable items C1D1	6
Volume/Weight amount C1D1	-
Volume/Weight unit C1D1	-
Medicine/Device unit name C1D2	ingred1 10mg,
ingred2 40mg, white	
Unit of Use GTIN C1D2	-
Medication Form Code C1D2	TAB
Proprietary medication dose form C1D2	-
Countable items C1D2	5
Volume/Weight amount C1D2	-
Volume/Weight unit C1D2	-
Medicine/Device unit name C1D3	ingred1 25mg,
ingred2, 10mg, yellow	
Unit of Use GTIN C1D3	-
Medication Form Code C1D3	TAB
Proprietary medication dose form C1D3	-
Countable items C1D3	10
Volume/Weight amount C1D3	-
Volume/Weight unit C1D3	-
Medicine/Device unit name C1D4	inert, green
Unit of Use GTIN C1D4	-
Medication Form Code C1D4	TAB
Proprietary medication dose form C1D4	-
Countable items C1D4	7
Volume/Weight amount C1D4	-
Volume/Weight unit C1D4	-

Example 3: Device with multi Component and Single Component Detail

The product is a medical device: Kit

Multiple components: The device type is multiple. The product is composed of two different devices.

Single component detail – The devices within have no other components.



Example 3: Device with multi Component and Single Component Detail

GTIN	09337816002418
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH
Trade Item Description	Heli-Checks Hollow Load Challenge Test. Kit includes 1 x re-usable device for 250 uses and 250 high-precision sterilant specific indicators
Is Trade Item the Lowest Level of the Hierarchy?	Y
Is Trade Item a Consumer Unit?	Y
Is Trade Item a Variable Unit?	N
Net Content	1
Net Content UOM	EA
Is Trade Item a Despatch Unit?	Y
Is Trade Item an Invoice Unit?	Y
Is Trade Item an Orderable Unit?	Y
ARTG ID	126989
Is Trade Item a Healthcare Item?	Y
TGA Sponsor	Y
TGA Type	R
Label Name	Heli-Checks Hollow Load Challenge Test Kit
Schedule Code	-
PBS or RPBS	-

COMPONENT	C1	C2
Healthcare Component Type C1	D	D
Medicine Container Type Code C1		
No of Identical Medicine Containers or Devices C1	1	250
Medicine/Device unit name C1D1	Re-usable Device	High-precision Sterilant Specific Indicators
Unit of Use GTIN C1D1	-	-
Medication Form Code C1D1	-	-
Proprietary medication dose form C1D1	-	-
Countable items C1D1	1	5
Volume/Weight amount C1D1	-	-
Volume/Weight unit C1D1	-	-
Medicine/Device unit name C1D2	-	-
Unit of Use GTIN C1D2	-	-
Medication Form Code C1D2	-	-
Proprietary medication dose form C1D2	-	-
Countable items C1D2	-	-
Volume/Weight amount C1D2	-	-
Volume/Weight unit C1D2	-	-
Medicine/Device unit name C1D3	-	-
Unit of Use GTIN C1D3	-	-
Medication Form Code C1D3	-	-
Proprietary medication dose form C1D3	-	-
Countable items C1D3	-	-
Volume/Weight amount C1D3	-	-
Volume/Weight unit C1D3	-	-
Medicine/Device unit name C1D4	-	-
Unit of Use GTIN C1D4	-	-
Medication Form Code C1D4	-	-
Proprietary medication dose form C1D4	-	-
Countable items C1D4	-	-
Volume/Weight amount C1D4	-	-
Volume/Weight unit C1D4	-	-

Example 4: Spare part with no components

This product is a spare part identified with the GTIN 04048675000624. This product does not have components and it is not considered a healthcare item.

Draeger Accupac (MAH)

GTIN	04048675000624
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH
Trade Item Description	Draeger Accupac (MAH)
Is Trade Item the Lowest Level of the Hierarchy?	Y
Is Trade Item a Consumer Unit?	Y
Is Trade Item a Variable Unit?	N
Net Content	1
Net Content UOM	EA
Is Trade Item a Despatch Unit?	Y
Is Trade Item an Invoice Unit?	Y
Is Trade Item an Orderable Unit?	Y
ARTG ID	-
Is Trade Item a Healthcare Item?	N
TGA Sponsor	-
TGA Type	-
Label Name	-
Schedule Code	-
PBS or RPBS	-

COMPONENT	
Healthcare Component Type C1	-
Medicine Container Type Code C1	-
No of Identical Medicine Containers or Devices C1	-
Medicine/Device unit name C1D1 - C1D4	-
Unit of Use GTIN C1D1 - C1D4	-
Medication Form Code C1D1 - C1D4	-
Proprietary medication dose form C1D1 - C1D4	-
Countable items C1D1 - C1D4	-
Volume/Weight amount C1D1 - C1D4	-
Volume/Weight unit C1D1 - C1D4	-



Example 5: Item with two levels hierarchy showing healthcare data against lowest level only.

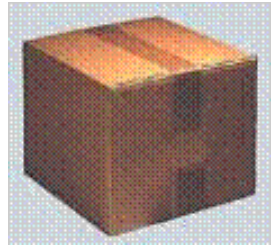
Intravenous Solutions

GTIN	00303386045376
Trade Item Hierarchy Level	BASE_UNIT_OR_EACH
Trade Item Description	Baxter FLUCONAZOLE 400 MG/200 ML 0.9% SODIUM CHLORIDE X 1
Is Trade Item the Lowest Level of the Hierarchy?	Y
Is Trade Item a Consumer Unit?	Y
Is Trade Item a Variable Unit?	N
Net Content	200
Net Content UOM	ML
Is Trade Item a Despatch Unit?	N
Is Trade Item an Invoice Unit?	N
Is Trade Item an Orderable Unit?	N
ARTG ID	126432
Is Trade Item a Healthcare Item?	Y
TGA Sponsor	Y
TGA Type	R
Label Name	Baxter Fluconazole 400 Mg/200 MI 0.9% Sodium Chloride 2J1445
Schedule Code	-
PBS or RPBS	-

COMPONENT	
Healthcare Component Type C1	M
Medicine Container Type Code C1	BAG
No of Identical Medicine Containers or Devices C1	1
Medicine/Device unit name C1D1	-
Unit of Use GTIN C1D1	-
Medication Form Code C1D1	INJIV
Proprietary medication dose form C1D1	-
Countable items C1D1	1
Volume/Weight amount C1D1	200
Volume/Weight unit C1D1	ML
Medicine/Device unit name C1D2 - C1D4	-
Unit of Use GTIN C1D2 - C1D4	-
Medication Form Code C1D2 - C1D4	-
Proprietary medication dose form C1D2 - C1D4	-
Countable items C1D2 - C1D4	-
Volume/Weight amount C1D2 - C1D4	-
Volume/Weight unit C1D2 - C1D4	-



Base Unit
GTIN **00303386045376**



Trade Unit
GTIN 50303386045371

Pricing

Please read information below to determine if you need to provide pricing information on the NPC.

These terms distinguish between items which are supplied **directly** from supplier to one or more state health jurisdictions versus those supplied **indirectly** via one or more wholesalers.

Some suppliers will have both direct and indirect supplies, others will be all direct or all indirect. In all cases the rules for data provision and publishing apply to the item, not the suppliers.

Prices should be applied at the 'Invoice' level of packaging. This level of packaging is identified when the GTIN has a Y value in the field 'Is trade item an invoice unit?'.

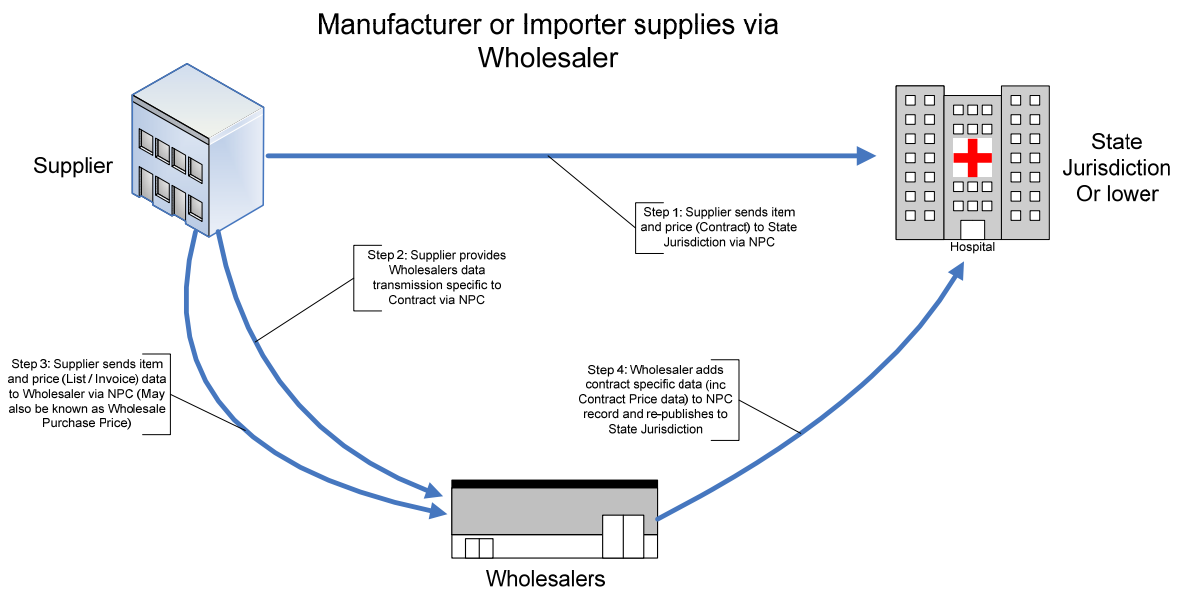
Case examples:

Manufacturer or Importer supplying via Wholesaler

Your company supplies all products via a wholesaler. Your wholesaler has the commercial supply relationship with the state health jurisdictions i.e. is considered the supplier by the jurisdictions. Your obligation to the NPC is to provide all item (product) data in your NPC catalogue.

You do not need to provide any pricing, although you may choose to load and synchronise your cost pricing to wholesaler(s) once they become NPC data recipients. Similarly, if your company negotiates the price to be paid to jurisdictions, you need to ensure this is the price being billed by your wholesaler.

You will publish all your Healthcare items to all jurisdictions and NEHTA, at a minimum. You will publish all your items to your wholesaler(s) if they are registered NPC data recipients.



Additional Notes - Steps 1 & 2 (Manufacturer or Imported supplies via Wholesaler diagram)

1. Supplier publishes Tender price to Jurisdiction

The supplier wins the contract and needs to publish the contract price on the NPC to the Jurisdiction. The relevant price fields to populate (in line with the NPC data set) include:

Recipient GLN	Price Type	Value	Ship to GLN
Jurisdiction GLN	CONTRACT_PRICE	\$100.00	Jurisdiction GLN

2. Supplier has nominated wholesalers to distribute contracted product to Jurisdiction

The supplier nominates a wholesaler to supply contracted product to the Jurisdiction. The supplier can choose to use the NPC to advise the wholesaler of the contract price and contract number relevant to particular products.

The relevant price fields to populate (in line with the NPC data set) include:

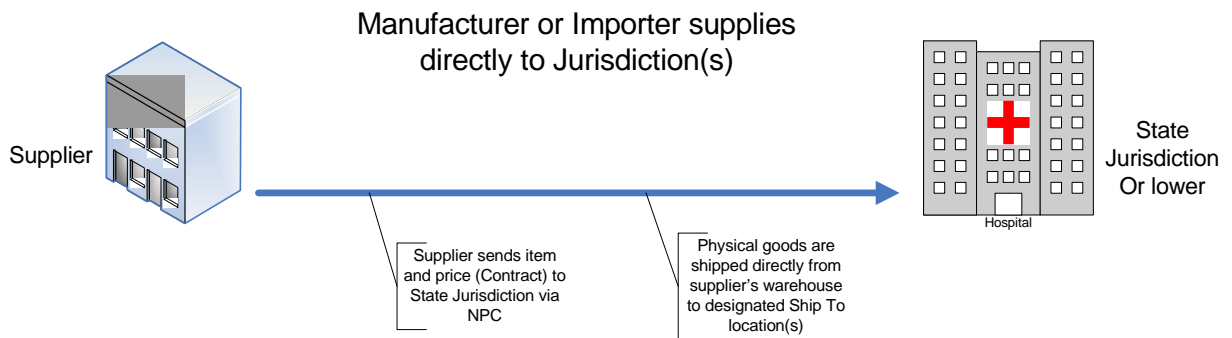
Recipient GLN	Price Type	Value	Ship to GLN ³	Ref Doc ID ⁴	Ref Doc Description
Wholesaler GLN	CONTRACT_PRICE	\$100.00	Jurisdiction GLN	Contract Number	Contract Description

Note: Use of the NPC to provide this data is optional. If the supplier also needs to advise the wholesaler of the 'jurisdiction internal classifications' applicable to the product within a certain contract, this needs to happen outside of the NPC via a simple mapping file.

Manufacturer or Importer supplying directly to Jurisdiction(s)

Your company supplies all products directly to one or more jurisdictions. Your obligation to the NPC is to provide all item and pricing data according to the NPC Pricing Model.

You will publish all your Healthcare items to all jurisdictions and NEHTA, at a minimum.

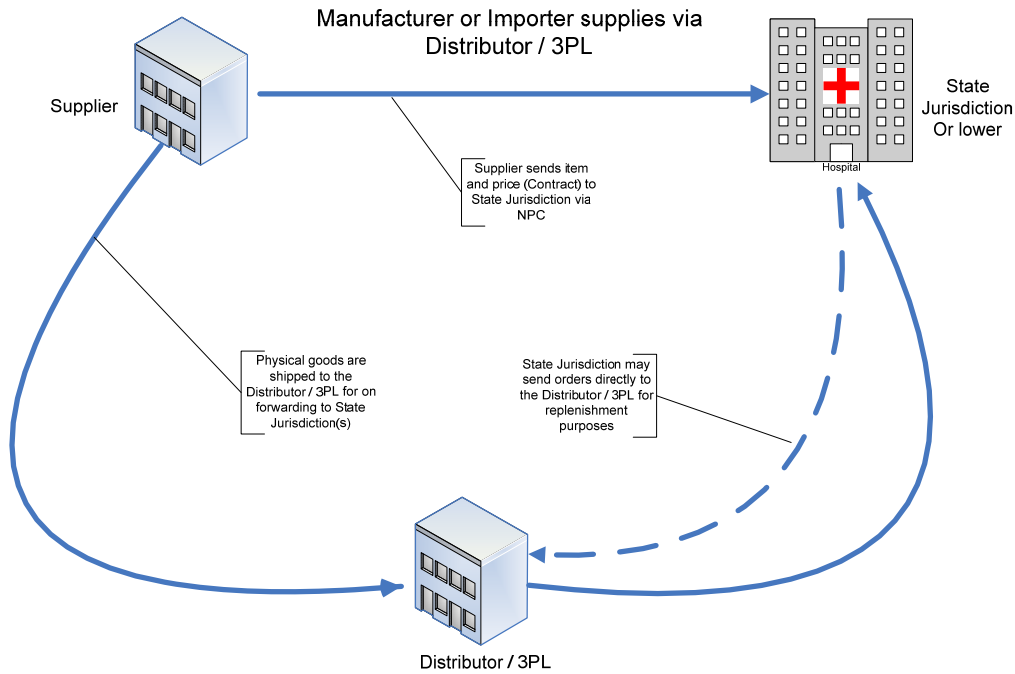


³ Used to indicate the end customer applicable to this particular price

⁴ This is the contract number applicable to the price

Manufacturer or Importer supplying via Distributor or 3PL⁵

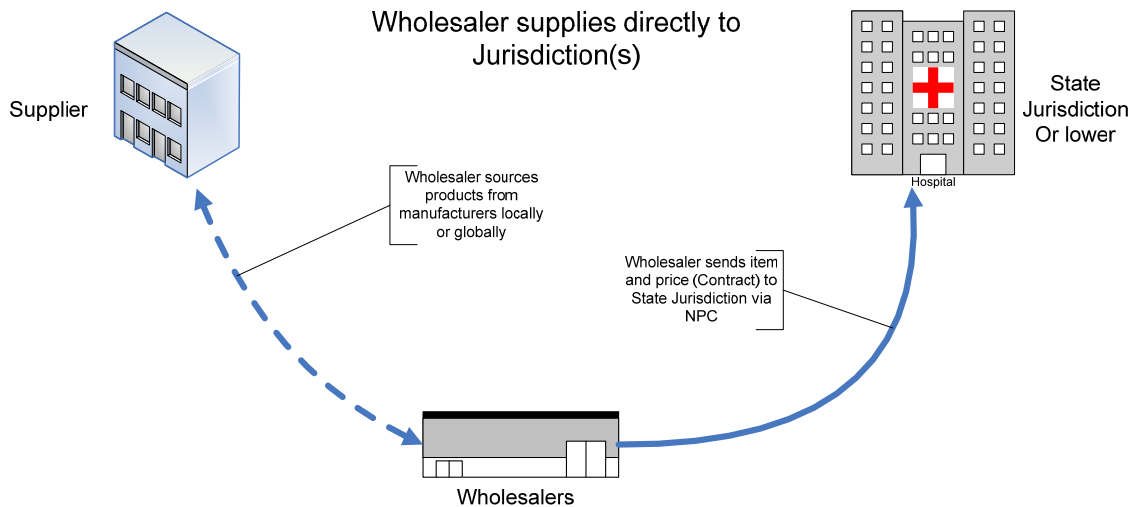
In this scenario, your company has the commercial supply arrangement with the jurisdiction(s) and you are simply using a 3rd party for the transport or logistics (which may also include the order taking process). However, you are considered the supply trading partner of the jurisdictions and so your NPC obligations are the same as for direct supply (refer 'Manufacturer or Importer supplying directly to Jurisdiction(s)' above).



Wholesaler supplying directly to Jurisdiction(s)

Your company sources items from manufacturers, importers or other wholesalers and on-sells them directly to state health jurisdiction(s). You have a commercial supply relationship with one or more of the jurisdictions.

Your obligation to the NPC is to provide all item and pricing data. You will publish all your Healthcare items to all jurisdictions and NEHTA, at a minimum.

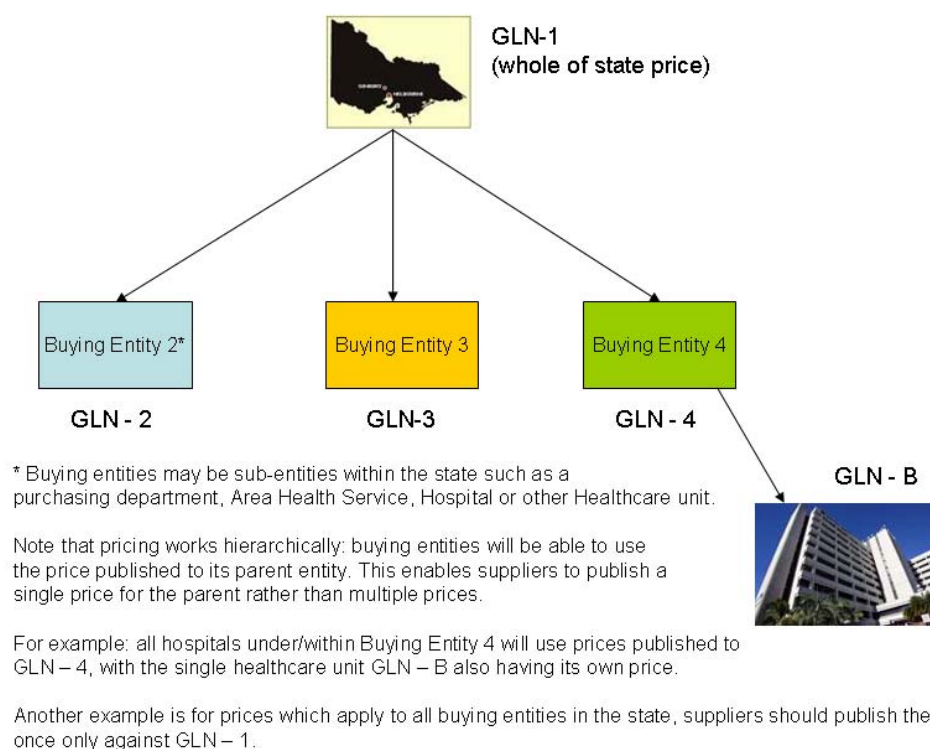


⁵ 3rd Party Logistics provider

PRICING MODEL

The State Health Jurisdictions have a pricing model which works on a hierarchical basis. A whole of state price is available to all healthcare units within the state, area or region. Whereas this price is available to all healthcare units within the area, some individual healthcare units will have their own specific prices and these prices will need to be provided for these individual healthcare units on an exception basis.

Prices should be published at the highest applicable level. Global Location Numbers (GLNs) are allocated by each jurisdiction to each and every entity within the jurisdiction to which a price may apply. See heading **GLN Allocations for Healthcare** within the **Healthcare Industry: National Product Catalogue** page for a link to the GLN allocation listing for each state.



GLN allocation example for NPC pricing

PRICING LOGIC AND PRICE TYPES

There are 3 price types that may be used in the NPC; **List**, **Invoice** (Transactional) and **Contract**. Every product must have at least 1 of the GTINs in its product hierarchy flagged as the “Invoice unit”. All invoice units must have a price record(s) which follow the logic below:

Item is on Contract (Contract Price)

If the item is on contract (or contracts) then only the contract price is required and contract number should be referenced. The contract price is to be published against the GLN to which the price applies.

For example if the contract is with the whole of state then only this price needs to be published for this item (for each state). If the contract is with one specific Area Health Service (AHS) only, then publish its contract price against the AHS GLN, and publish an invoice price for whole of state.

Item is not on Contract (Invoice Price)

If the item is not on contract, then the invoice (i.e. Transaction) price should be provided. This is the “best” price the supplier would charge/offer the health jurisdiction in the event no contract is in place, inclusive of all off invoice allowances and charges. This price should be provided at the whole of State/Territory level rather than by individual AHS or Hospitals. If the supplier has, a relationship with

the Jurisdiction (i.e. has sold to the jurisdiction in the past) then it is expected that this price would be available if the item is not on contract.

List Price

If there is a reason why the invoice price cannot be provided by the supplier, the list price is to be provided. That is, a price exclusive of all allowances and charges. The use of this price type is recommended only as a last resort and its use is discouraged.

If the supplier has no relationship with a jurisdiction or never sells a particular item to a jurisdiction, then it is not mandatory to provide a price for that jurisdiction in the NPC, it remains optional to do so.

Summary

Based on the above, the preference is for each item (invoice unit) to have either a contract or an invoice price per Jurisdiction.

All prices must be exclusive of GST.

Vaccine Products

Vaccines are ordered by Area Health Services (AHS). Vendors to populate vaccine pricing records based on one of the following three scenarios.

1. The item is on the National Immunisation Scheme
 - Vendor to provide a CONTRACT price for the Federal Dep't of Health and Ageing (DOHA). Price record to include the DOHA contract number.
 - Vendor to provide CONTRACT price(s) for the states and territories with a zero (\$0) cost price. Price record to include the DOHA contract number.
2. The item is under contract with the state or territory and is not on the National Immunisation Scheme
 - Vendor to provide a CONTRACT price for the state or territory. The price record to include the state or territory contract number.
3. The item is not under contract with the state or territory and is not on the National Immunisation Scheme
 - Vendor to provide an Invoice price for the state or territory – refer 'PRICING LOGIC AND PRICE TYPES' section (above).

DISCOUNT STRUCTURES AND THE NPC

The following is a list of typical conditions / discount structures that have been used by suppliers and how they are handled in the NPC:

Total Transaction Discounts

A discount based on the total value or total quantity of the order. These will be handled by jurisdictions as part of the accounts payable process. These are not expected to be loaded on the NPC

Grouped Item Discounts

This is a discount for item A if item B is also purchased. Jurisdictions discourage this practice, so the NPC does not support it. If this scenario applies to you for any of the items you sell to jurisdictions, you are advised to contact the jurisdiction directly to discuss how to handle this discount type outside the NPC.

Package Deals

For example, purchase the device and get free consumables. This scenario is supported by the jurisdictions only when a contract is in place for both items. In this example, the item with a cost to it should be loaded with a contract price and reference must be quoted. The items provided free as part of the contract should be loaded with a contract price of zero (\$0) and the same contract reference should be quoted.

Bonus stock

For example, buy 10 get 2 free. Refer to *Grouped Item Discounts* above.

Free stock

Stock that is provided to jurisdictions free of charge outside of a contract (e.g. sample packs) should be loaded with an invoice price of zero (\$0).

Consignment items

This scenario often occurs with theatre kits which are made up of many items of different sizes, only some of which will be used / consumed during the theatre procedure or operation. The remainder is returned to the supplier. The items consumed are typically put on a purchase order and purchased subsequent to their usage. Each item within these kits must have its own GTIN and price loaded into the NPC so that it may be processed individually as described.

Loan Instruments

If the jurisdiction raises a formal request/requisition/order for these instruments, then they need to be populated into the NPC in their own right, with both item and pricing data. The usual pricing logic for contract, invoice, list price types apply and the price amount may be zero (\$0).

Rebates

Rebates are not off invoice discounts, but rather come into effect after certain agreed thresholds such as total annual spend or quantity buys have been met. They are often implemented as credits back to the customer after the threshold has been met.

The NPC does not support rebates. They are not to be included in any prices loaded into the NPC.

Bracket Tier Price

NEHTA recommends that only one List Price is required even though Bracket Tier Price is available on GS1net. The above scenarios cover 98% of all pricing cases amongst the majority of suppliers. Pricing scenarios not covered by the above will be addressed by the following process:

1. Supplier contacts GS1net Services Support with the issue / problem.
2. GS1 confirms there is a need to raise the issue to jurisdictions to resolve
3. GS1 documents the issue and forwards to NEHTA
4. NEHTA distributes to all PRG representatives for feedback
5. Jurisdictions to analyse and determine position
6. Issue(s) to be formally addressed at PRG meeting (ongoing every 6-8 weeks)
7. Solution discussed, agreed and feedback to GS1
8. GS1 to update documentation and contact supplier

Price Data Mapping Example

GLNs as assigned by the Department of Health South Australia:
(Note: the list below is a sample sub set only)

Recipient GLN	937779113141		
GLN	Description	Parent GLN	Description
9337722000003	Department of Health (SA)		
GLN	Description	Parent GLN	Description
9337722000058	SA Pathology	9337722000003	Department of Health (SA)
9337722000065	Central Northern Adelaide Health Service	9337722000003	Department of Health (SA)
9337722000195	Southern Adelaide Health Service	9337722000003	Department of Health (SA)
9337722000959	SA Health Distribution Centre	9337722000003	Department of Health (SA)
GLN	Description	Parent GLN	Description
9337722000072	Hampstead Rehabilitation Centre	9337722000065	Central Northern Adelaide Health Service
9337722000089	Breastscreen SA	9337722000065	Central Northern Adelaide Health Service
9337722000096	Central Eastern Primary HCS	9337722000065	Central Northern Adelaide Health Service
9337722000102	Glenside Hospital	9337722000065	Central Northern Adelaide Health Service
9337722000119	Lyell McEwin Hospital	9337722000065	Central Northern Adelaide Health Service
9337722000126	Modbury Hospital	9337722000065	Central Northern Adelaide Health Service
9337722000133	North/North Eastern Primary HCS	9337722000065	Central Northern Adelaide Health Service

Below are some pricing records and descriptions of which buying entities they apply to as published:

GTIN	PRICE Type	Recipient GLN	Price Value	Location - 1	Location - 2	Location - 3
09311279000990	Invoice	937779113141	10.00	9337722000003		
09311279000990	Contract	937779113141	8.00	9337722000065		
		Department of Health (SA) is the data recipient for all prices.		<u>Invoice</u> price applies to whole of state <u>Contract</u> price applies to Central Northern Adelaide Health Service		
09322380000380	Invoice	937779113141	23.56	9337722000065		
09322380000380	Contract	937779113141	22.00	9337722000102	9337722000126	9337722000089
		Department of Health (SA) is the data recipient for all prices.		<u>Invoice</u> price applies to Central Northern Adelaide Health Service <u>Contract</u> price applies to Glenside Hospital, Modbury Hospital & Breastscreen SA		

Note: this is only a sample and not all required fields have been shown for the sake of visual clarity.



GS1net User Guide ‘Cookbook’

For Suppliers implementing and using GS1net in Australia
& New Zealand

Aug 2010

Office Supplies Industry

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Document Version Control

Release	Nature of Change/Comments	Author
Aug 2010	Minor change to headings for office supplies examples	M.Robb
Jul 2010	Initial release of Office Supplies specific information	GS1 Australia

Multiple Component Example - Office Supplies Extension

Trade Item Details ([selected attributes only](#))

Office Supplies ([selected attributes only](#))

GTIN	Description	Hierarchy Level	Height (MM)	Width (MM)	Depth (MM)	Is Trade Item Shipped in Multiple Containers?	Total Number of Components	Component Number	Component Height (MM)	Component Width (MM)	Component Depth (MM)
09312345001606	Three Drawer Unit	BASE_UNIT_OR_EACH	590	370	370	Y	4	1	590	370	40
								2	180	360	360
								3	180	360	360
								4	180	360	360



In this example, a GTIN has been allocated for the assembled ‘Three Drawer Unit’. GTINs have not been allocated to the individual pieces (frame, draws). The dimensions and weight of the assembled unit is captured within the Item detail attributes, the dimensions and weight of the individual components as well as the shipping details (shipped as four separate articles) is captured within the Office Supplies extension.

When all components are allocated GTINs, please refer to the ‘SETPACK Hierarchy Level Example – Office Supplies Extension’.

SETPACK Hierarchy Level Example – Office Supplies Extension

SETPACK – This is a standard assortment of trade items. The setpack itself is assigned a unique GTIN and is scannable at the point of sale by the retailer. Each different item within the setpack has a unique GTIN and is scannable at the point of sale and may or may not be orderable separately outside of the setpack.

Trade Item Details (selected attributes only)								Office Supplies (selected attributes only)				
GTIN	Description	Hierarchy Level	Next Lower Level GTIN	Next Lower Level GTIN	Height (MM)	Width (MM)	Depth (MM)	Is Trade Item Shipped In multiple Containers?	Total Number Of Components	Component Depth	Component Width	Component Height
09312345001200	3 Piece Wood Table Set	SETPACK	09312345001217	09312345001224	600	298	298	N				
09312345001217	Table Wood 22cm	BASE_UNIT_OR_EACH			500	220	220					
09312345001224	Table Wood 18cm	BASE_UNIT_OR_EACH			400	180	180					



Recommendation:

The Office Supplies attributes are only entered for the ‘parent’ GTIN within a SETPACK. For the SETPACK record within the office supplies extension, an entry of ‘N’ (No) is recommended for attribute ‘Is Trade Item Shipped in Multiple Containers?’

The value of ‘N’ for attribute ‘Is Trade Item Shipped in Multiple Containers?’ is recommended as this eliminates the need to enter component dimension and component weight information within the Office Supplies extension for each component within the SETPACK. The dimensions and weight for each member of the SETPACK will be captured within the mandatory Item details attributes.

For multiple component products that have not been allocated GTINs for each individual component, please refer to the ‘Multiple Component Example – Office Supplies Extension’.



GS1net User Guide ‘Cookbook’

For Suppliers implementing and using GS1net in Australia
& New Zealand

March 2010

How GS1net Data Recipients access your data

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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 09	Initial Release	GS1 Australia

Data recipients are the trading partners of suppliers populating GS1net. They will use the data from GS1net to enable many supply chain processes to be more efficient and accurate, including purchasing from suppliers.

Data recipients will be at different stages of GS1net implementation, and, like suppliers, have options as to how they access your data on GS1net.

Some data recipients will use GS1net in a more manual manner, pulling data down as needed. This is often the initial way data recipients interface with GS1net.

Data recipients who are at the stage of automating and integrating GS1net data flows into their IT systems and processes will accept data that is “pushed” to them from GS1net in data flows, using electronic messaging. To trigger the message flow they will subscribe to your catalogue.

Once you're Trading Partners receive your 'GS1net Ready' notification from the GS1net Services Support team, they will access your catalogue, using their chosen method, to begin the “go live” process. This includes comparing your data to theirs and negotiating with you where needed to align and agree on all data. You may need to update your catalogue, but where there have been differences between the data content, it has been more likely that the trading partner will accept that the supplier data is correct.

Once your data and theirs are in parity, you will be set to “live” status with that trading partner.

The way in which your Trading Partners elect to interact with GS1net will have some effect on how you maintain your GS1net catalogue:

Trading Partners who manually access your data

Data Recipients accessing GS1net manually will be logging in via the web GUI interface, viewing and/or manually requesting your published data via DDF downloads. Generally, the manual access data recipient will not subscribe to your catalogue as subscription to supplier catalogues or individual GTINs is only required when the data recipient is synchronising data (generates message flow).

Note that unless a manual data recipient has explicitly rejected a price record, the supplier can still update the record. For synchronised price records, a record can only be updated after a response message (accept, reject, review, synchronize) has been received from the data recipient.

Given that manual data recipients have no need to control messaging flows, it is unlikely they will explicitly reject any items or prices.

Should a manual data recipient wish to query supplier item or price records, they would normally contact the supplier outside of GS1net to reconcile the records.

Synchronised Trading Partners

Only trading partners (data recipients) using the automated (messaging) synchronisation to GS1net will subscribe to all or part of your catalogue. The act of subscribing to your catalogue will initiate messaging (in either XML or DDF formats) to the trading partner.

Data Recipients using automated (messaging) synchronisation will use the accept/reject functionality to control the flow coming in to them. To enable updates to items to flow, each item can either be explicitly Accepted (or simply not responded to). To stop the flow of updates for a particular item, the trading partner must explicitly Reject it.

If a subscribed Data Recipient has not explicitly accepted a price, then the supplier will not be able to update it. To avoid this situation, all prices will always be “Accepted” so that if a trading partner does not agree with the price you have loaded into GS1net and negotiates a change with you, your updated price can flow through in the messaging from GS1net to your trading partner.

Should a trading partner disagree with any item or price data they access, they will contact you outside of GS1net to reconcile with you.



Emails are sent to suppliers to confirm synchronisation steps. An email generally references a single GTIN. For suppliers with medium to large catalogues, a substantial number of emails can be expected as part of the synchronisation process.

To allow multiple staff members to access the confirmation emails and to prevent a single user from being inundated with confirmation emails, a number of suppliers have chosen to create a specific GS1net support email. The support email can then be directed internally to a GS1net support mailbox, accessible by multiple staff members.

Email entry Example – GS1net Main Menu / Maintain Company Profile

* Report Output Option:	<input type="radio"/> Do not email reports <input type="radio"/> Email only reports with errors <input checked="" type="radio"/> Email all reports
* Report Email Address:	<input type="text" value="gs1net_support@mycompany.com.au"/> <small>entered separated by ';')</small>
* Confirm Email Address:	<input type="text" value="gs1net_support@mycompany.com.au"/>



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System Requirements

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Document Version Control

Release	Nature of Change/Comments	Author
May 2010	Updated system requirements to include IE8 compatability notes.	M.Robb
Mar 2010	Update community references from 'Australia' to 'Australia & New Zealand'.	M.Robb
Oct 2009	Initial Release	GS1 Australia

Recommended minimum requirements to effectively use GS1net.

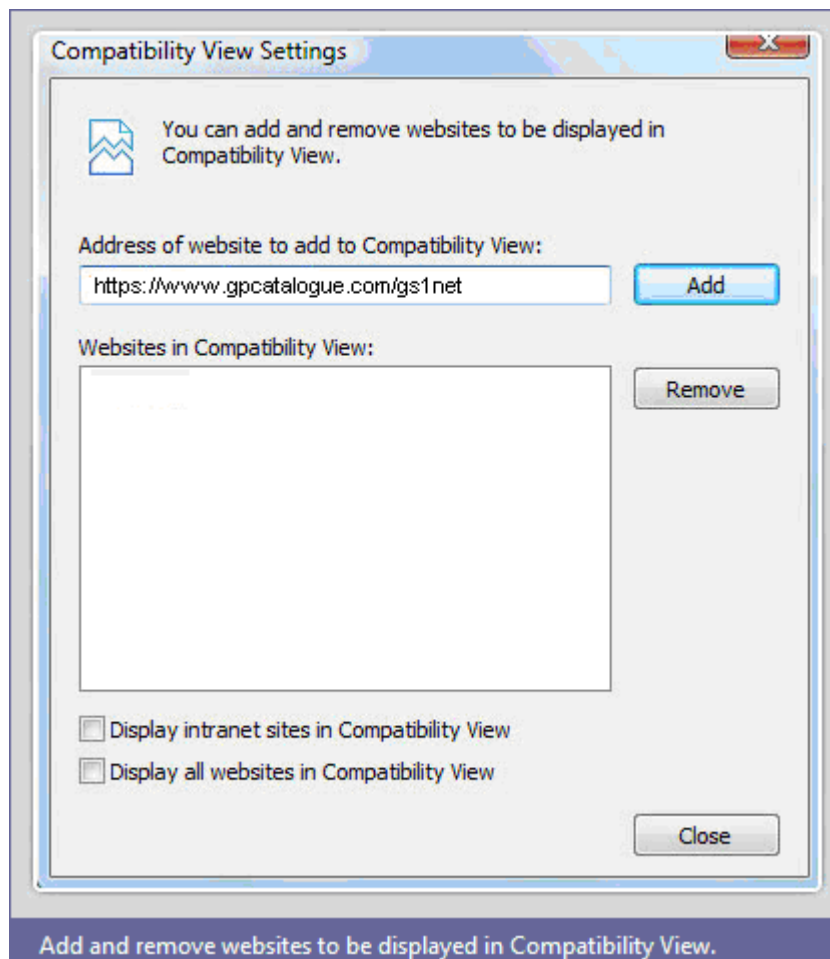
- Your internal systems should recognize and process Supplier GTINs (Global Trade Item Numbers), GLNs (Global Location Numbers) and related descriptive product information as specified in the GDSN standard. The level of automation of your internal systems may vary, from a totally manual process to a fully-integrated EDI-enabled or XML-enabled process. Companies at any level of processing can use GS1net.
- If you choose to implement “machine-to-machine” integration, you should be able to send and receive XML documents in the GDSN Standard from GXS via AS2 (using secure AS2 certificates). Alternatively, you can choose to use EDI documents, which includes having an EDI provider, mailbox, and translator. If your company is not yet “machine-to-machine enabled”, you can still use the online GS1net capabilities. If your catalogue is relatively small, you can enter it online.
- A personal computer capable of connecting to the internet via your Internet Service Provider (ISP).
 - **Processor** — Intel Pentium 3 or 4 processor.
 - **Memory** — 256 MB or higher
 - **Connectivity** — Broadband Internet Access at 56KB or higher is highly recommended via LAN, DSL, ISDN, or cable modem. You will not have a satisfactory online experience via a dial-up modem.
 - **Operating System** — Windows 2000, WindowsXP (or higher).
 - **Monitor resolution** — 1024 x 768 minimum
 - **Internet browser** — Microsoft Internet Explorer, current version or previous version are supported. Current version is highly recommended. (GS1net is optimized for Microsoft Internet Explorer 7)
 - Please note: Firefox Users. GS1 Australia has investigated with the platform providers the possibility of allowing multiple browser types for GS1net. We have been advised that although authentication can be done for Firefox, there still remains issues with rendering and Java Script problems. We cannot therefore guarantee that users will have the same experience as IE 7 users, and at this stage can not allow Firefox to be used for GS1net.
 - For companies considering using IE8, please do so in ‘Compatibility Mode’. Whilst not officially supported yet, testing has confirmed that most features work correctly in this mode with little noticeable affect on performance. (Please advise us of any specific issues noted)
 - Use this url to learn more about using the Compatibility Mode feature: <http://www.microsoft.com/windows/internet-explorer/features/easier.aspx>



For IE8 users, if experiencing problems, try clicking the ‘Compatibility View’ toolbar button. It’s located next to the Refresh button on the Address Bar.



- From the Command Bar, select Tools, them Compatibility View Settings to enable you to maintain a list of sites you have selected to run in Compatibility Mode.

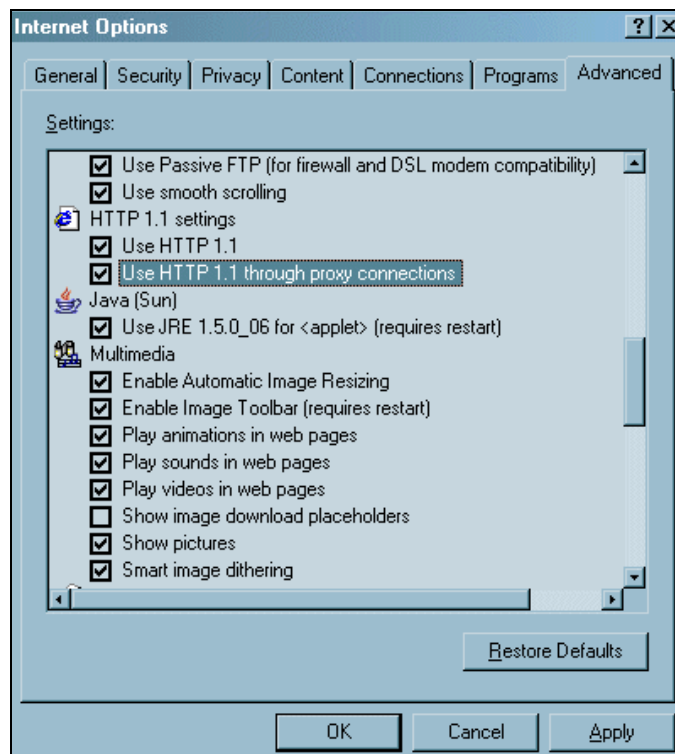


Configure your Internet Browser

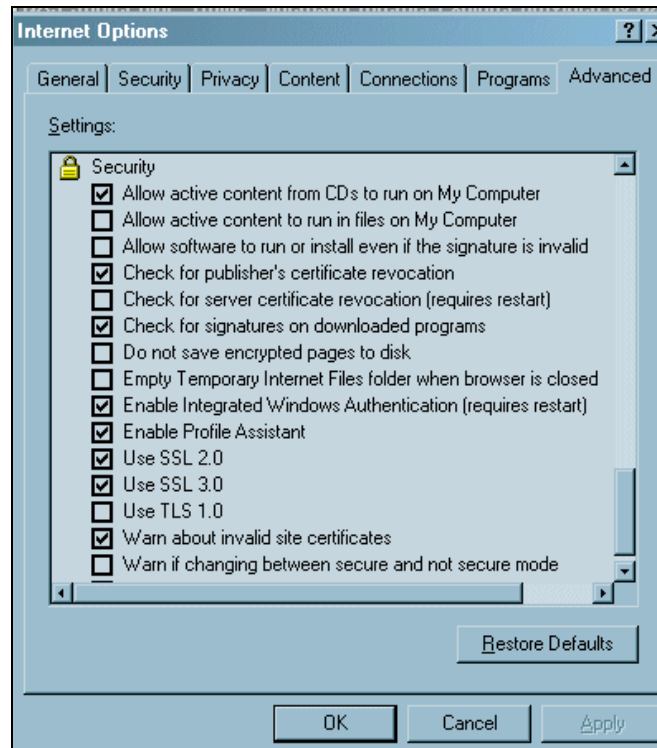
Remember You must use **Microsoft Internet Explorer, version 5.5 or higher (must include SP2)**

To properly configure your browser, do the following:

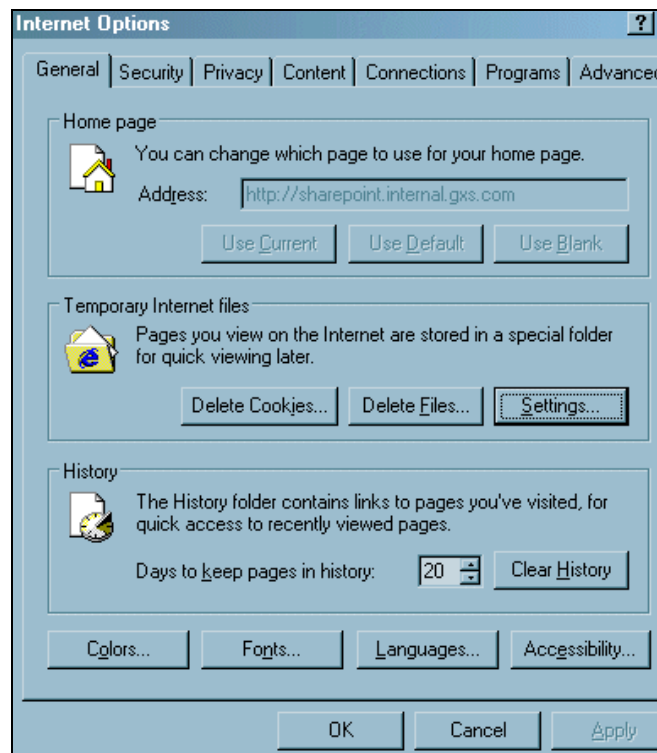
1. On your browser toolbar, click **Tools**, and then select **Internet Options**.
2. On the Internet Options popup window that displays, click the **Advanced** tab.
3. Scroll down to the **HTTP1.1 Settings** section. Then, make sure that the **Use HTTP1.1** and **Use HTTP1.1 through proxy connections** are "checked."



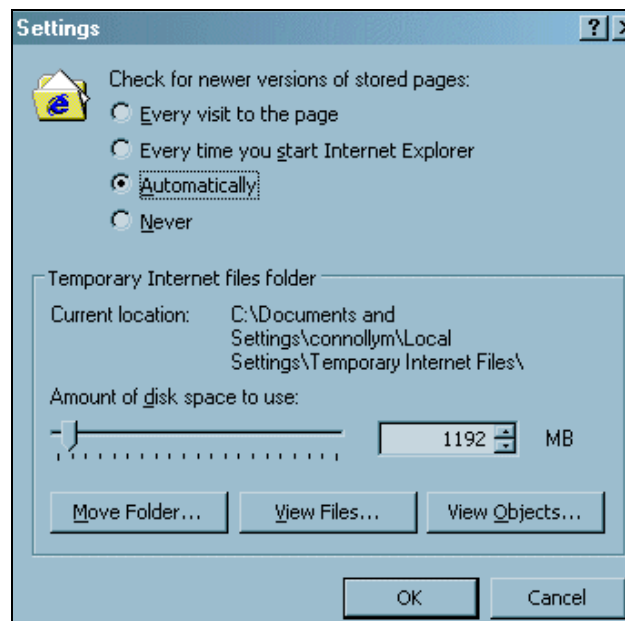
4. Scroll down to the **Security** section. Then, make sure that the **SSL 2.0** and **SSL 3.0** are "checked."



5. Click the **General** tab. Then, in the **Temporary Internet Files** section, click the **Settings** button.



6. In the **Check for newer versions of stored pages** section, select either **Automatically** or **Every time you start Internet Explorer** - Click the **OK** button.



7. Click the **Privacy** tab. Make sure that your **Settings** is **Medium High** or *lower* and that the **Block pop-ups** option is disabled - Click the **OK** button.



8. For the changes to take effect, close your Internet Explorer browser and then reopen it.

Disable popup blocker

In addition to **Step 9** above, in order to access and use GS1net online, you must disable the popup blocker on your browser menu bar, so that you see the following.

