

APCO and GS1 Australia Partnership



Acknowledgement of Country

Agenda



The Partnership



GS1 Australia



Updates to the National Packaging Catalogue



Your Role



Q&A



The Partnership

The Partnership

APCO has worked closely with GS1 Australia to explore how the National Product Catalogue can **support** our Members with their **APCO Annual Reporting requirements**.

The partnership means that fields relating to **55% of APCO Annual Report questions have been incorporated** into the GS1 National Packaging Catalogue (NPC)

Key Benefits

Fulfilling the need for more **accurate and transparent reporting**.

Time saving solutions to track packaging sustainability.

Members are supported in meeting their reporting requirements.



GS1 Australia

GS1 – The global language of business



Neutral and
not-for-profit

User-driven
and governed
standards organisation

Global
and local

Inclusive and
collaborative



2 million



116



10 billion

Our Purpose



At GS1, we believe in the power of standards to transform the way we work and live.

- We create a common foundation for business by uniquely **identifying**, accurately **capturing**, and automatically **sharing** vital information about products, locations, and assets.
- We enable visibility through the exchange of authentic data.
- We empower business to grow and to improve efficiency, safety, security, and sustainability.

National Product Catalogue (NPC)



Maintain and share product and item information with all trading partners in real-time

Data Synchronisation Improve data accuracy and alignment between all trading partners in the supply chain.

Digitisation of data Exchange product and item data electronically for operational efficiency.

Cost Savings Reduce costs and administration.

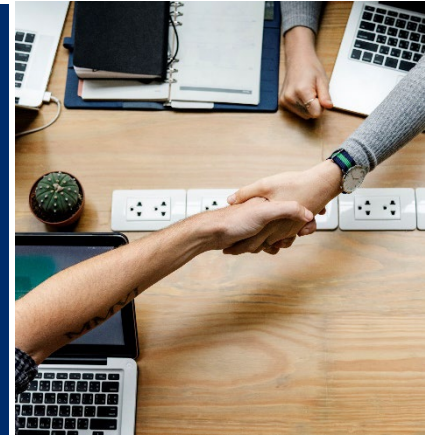
Data Integrity Minimise data errors and duplications.

 **2,280+**
Companies subscribed

9312345678907

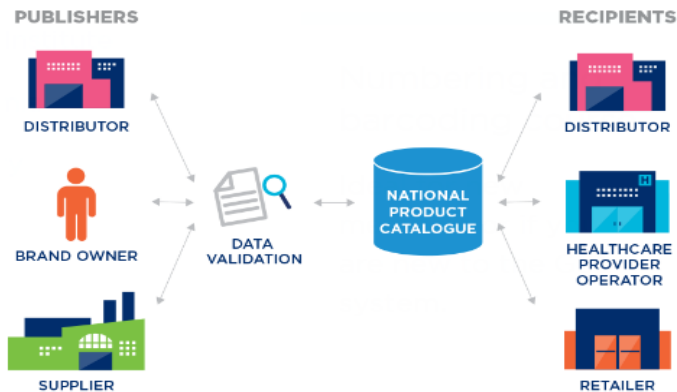
1.5 million+
GTINs

 **3 million+**
Price records



How does it work?

- Supplier checks product range and prepares data (load via UI or integrated from an ERP)
- Product and pricing data is validated according to industry and recipient rules
- Once validation is passed the data is published to the NPC
- Data is received by one or many recipients, synchronised to their ERP systems



Product data is common to all –
Price data is customer specific

The need

- Reporting requirements for packaging sustainability will become increasingly important.
 - Capturing of packaging data not currently mandated
 - Changes to retail and supply chain regulations in 2025 mean data requirements around recording packaging components will evolve.
 - A shift towards a situation where a range of incentives both formal (legislation) and informal (consumer sentiment) incentivise brand owners to start recording and sharing this information.

The Data Model

- Needs to strike a balance between:
 - Detail/ granularity and ease of use.
 - Mandatory vs. comprehensive attributes.
- Needs to be validated with manufacturers and recipients of the data who are members of both GS1 and APCO
- The NPC provides a platform to facilitate the capture and sharing of required packaging sustainability information.
- Significant overlap between APCO and GS1 membership and NPC usage

The NPC data model

- With some development work the NPC is well placed to support the reporting requirements for APCO's Annual Report.
- Introduction of new attributes to the NPC
 - Currently the NPC supports only main packaging materials but we can extend recycled and renewable materials requirements to all levels of packaging.
 - Changes introduced to support APCO reporting requirements would require publishers to enter all packaging materials.
- New business validation rules to be activated for APCO only members

NPC Support for APCO Annual Report



Approach:

Capture packaging sustainability information at the GTIN level.

GTIN level information can then be used along with production or sales data (where applicable) to derive the information required to accurately complete key questions within the APCO annual questionnaire

Required NPC Development & Community Updates

- New 'local' attributes (not supported by the global GDSN community)
- New 'global' attributes (supported by the global GDSN community)
 - New code lists (associated with new 'global' attributes)
- ALL packaging material to be entered – material type, material percentage + recoverable status.
 - Current practice is to enter the primary packaging material only (if at all)
- Business validation rules to be developed and applied for APCO members only

Streamlining APCO reporting using the NPC

- Update NPC with packaging sustainability attributes

The screenshot displays the GS1 Australia NPC interface. On the left, a Microsoft Excel spreadsheet is open, showing the 'Core Item' template with columns for GTIN, Information Provider, Target Market Country Code, and Additional Trade Item Identification. The spreadsheet includes detailed definitions for these fields. On the right, the 'Item list' table shows a list of trade items with columns for Overall State, Pu., ReL., Re., All, GTIN, Supplier Assigned It., and Trade Item Description. A dropdown menu is open, showing options like 'Excel', 'CSV report', and 'GSDN Formats'. A 'Chat' button is visible in the bottom right corner of the interface.

Overall State	Pu.	ReL.	Re.	All	GTIN	Supplier Assigned It.	Trade Item Description
<input checked="" type="checkbox"/>					09312345687275	1017	GS1 Water 2ltr
<input checked="" type="checkbox"/>					19312345687272	1017	GS1 Water 2ltr x 56
<input type="checkbox"/>					19312345687302	1017	GS1 Water 2ltr x 56
<input checked="" type="checkbox"/>					19312345687319	1017	GS1 Water 2ltr x 56
<input type="checkbox"/>					19312345687234	1017	GS1 Water 2ltr x 56
<input checked="" type="checkbox"/>					09312345687244	1017	GS1 Water 2ltr
<input type="checkbox"/>					19312345687241	1017	GS1 Water 2ltr x 56
<input type="checkbox"/>					09312345687282	1017	GS1 Water 2ltr

- Extract GTINs and product master data from the NPC
- Combine APCO attributes with scanning sales data to generate APCO reports



Updates to the NPC

National Product Catalogue

1. How many Principles of the SPGs has the packaging been reviewed against?

- This question comes supports APCO Annual Reporting.
- Whole number response.
- How many of the 10 Sustainable Packaging Principles of the Sustainable Packaging Guidelines (SPGs) your business considered in the design and/or selection of packaging for this product.

2. Date when packaging was last reviewed against the SPGs.

- This question supports APCO Annual Reporting.
- Date (DD/MM/YYYY).
- Date when you last reviewed this product/SKU against the Sustainable Packaging Guidelines (SPGs).

3. Has material weight been reduced for material efficiency optimisation?

- This question supports APCO Annual Reporting.
- Yes/No.
- If you answer yes, your packaging must be deemed optimised for material weight.
 - Optimised = no further reductions in packaging weight or volume are possible at the present time, without compromising product quality and safety.

4. Material weight reduction amount.

- This question supports APCO Annual Reporting.
- Whole number response.
- If you answer yes to the question 3, your packaging must be deemed optimised for material weight.
 - Optimised = no further reductions in packaging weight or volume are possible at the present time, without compromising product quality and safety.

5. Date when material weight was reduced for material efficiency optimisation.

- This question supports APCO Annual Reporting.
- Date (DD/MM/YYYY).
- Date when this product's material weight was deemed 'optimised'.
 - Optimised = no further reductions in packaging weight or volume are possible at the present time, without compromising product quality and safety.

6. Has the packaging been assessed through PREP?

- This question supports APCO Annual Reporting.
- Yes/No.
- This question requires you to indicate if the product/SKU has been assessed through the Packaging Recyclability Evaluation Portal (PREP). PREP can be used to review your packaging portfolio and identify whether the packaging components are recyclable and not-recyclable.

7. Is packaging labelled for disposal or recovery?

- This question supports APCO Annual Reporting.
- Yes/No.
- This question requires you to indicate if the product/SKU has on-pack labelling, informing the consumer how to dispose of the packaging at end-of-life.

8. Does the retail packaging have an ARL artwork on-pack?

- This question supports APCO Annual Reporting.
- Yes/No.
- This question requires you to indicate if the product/SKU has the Australasian Recycling Label (ARL) on-pack.

9. Number of recyclable components.

- This question supports ARL Reporting.
- Whole number response.
- For this question you will be required to provide a whole number of components that are recyclable at end-of-life. Components refer to different packaging items that must be separated to consumer or access the product.

10. Number of conditional recyclable components

- This question supports ARL Reporting.
- Whole number response.
- For this question you will be required to provide a whole number of components that are conditionally recyclable at end-of-life. Components refer to different packaging items that must be separated to consumer or access the product.

11. Number of non-recyclable components

- This question supports ARL Reporting.
- Whole number response.
- For this question you will be required to provide a whole number of components that are not-recyclable at end-of-life.
 - Packaging is not-recyclable if it cannot be collected, sorted, and recovered at end-of-life, in practice and at scale.

Other questions in the NPC that relate to APCO Reporting

- Packaging Recycling Process Type (I.e., compostable)
- Certification number (I.e., Home Compostable – AS5810-2010)
- Certification Effective Start Date
- Packaging Sustainable Feature (I.e., made from recycled material)
- Is CDS applicable to Trade Item?
- Packaging Material Composition Quantity
- Packaging Material Type Code
- Is Trade Item Single Use Plastic?
- Recycled Packaging Content Percentage
- Packaging Feature Code
- Is Packaging Marked as Returnable?
- Packaging Recycling Scheme



Your Role

To benefit from this

- Contact GS1 Australia servicerelationship.team@gs1au.org
- Update NPC with packaging sustainability data
- Extract GTINs and APCO packaging sustainability product attributes
- Combine product attributes with scanning sales data to generate APCO reports

Streamlining APCO reporting using the NPC

- Update NPC with packaging sustainability attributes

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<input type="checkbox"/>					09312345687282	1017	GS1 Water 2ltr

Definitions from the spreadsheet:

- GTIN:** The Global Trade Item Number (GTIN) is the GS1 key used to uniquely identify a trade item (also for re- or transport packaging). A trade item is any item (product or service) upon which there is a need to retrieve pre-defined information, and that may be planned, priced, ordered, delivered and/or invoiced at any point in any supply chain. (gln)
- Information Provider:** GLN of the information provider, under which the base unit and all of its packaging items are stored in the atrify pool. (informationProviderOfTradeItem/gln)
- Target Market Country Code:** Target market (country) assigned to the trade item (and all of its packaging items). The target market is where the trade item is intended to be sold. Different target markets have different demands regarding the item master data profile. (targetMarketCountryCode)
- Additional Trade Item Identification:** Value of an additional trade item identification, for instance to cross-reference the vendors internal trade item number to the GTIN in a one to one relationship. (additionalTradeItemIdentification)
- Code specifying the type of the additional trade item identification:** Code specifying the type of the additional trade item identification. (additionalTradeItemIdentificationTypeCode)
- Supplier Assigned:** If there is a need to send Additional Trade Item Identifiers other than a GTIN, these attributes may be used more than once. Both the Trade Item Identifier Value and Type must be sent for each iteration. Indicator identifying the type and format of the additional trade item identification. (supplierAssigned)

- Extract GTINs and product master data from the NPC
- Combine APCO attributes with scanning sales data to generate APCO reports

Q&A

Submit questions via the Q&A function at the bottom of your screen

Thank you

To contact APCO please visit our website

www.apco.org.au

