



The Global Language of Business

# Healthcare NPC Advisory Group (HCNPCAG)

2Q 2022 meeting

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11 May 2022



**Working together** to continuously **improve** the National Product Catalogue for the **whole of Australian healthcare**

# Welcome, introductions and apologies



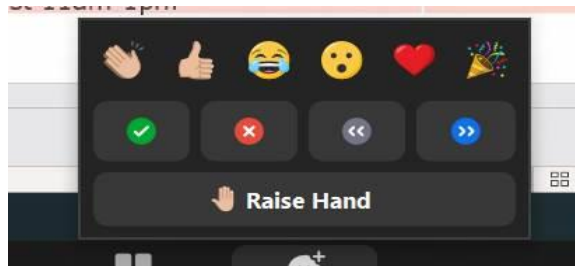
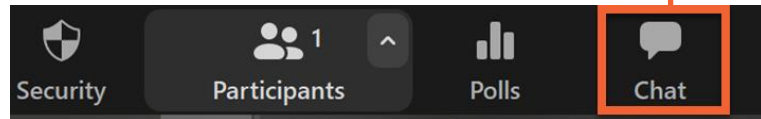
**Note: todays meeting will be recorded for the purposes of preparing minutes**

# Your opinion matters



Click the bar at the bottom of your screen for the chat window or raise your hand to ask a question – all feedback is encouraged

Click here



We will be seeking votes on actions related to the 'Reimagining' improvements being proposed during the meeting via 'Polls'. Please make sure you enter your response when the polls pop up on screen

## Proposed change to the 'Ready' process

Poll | 1 question

1. Do you support the proposed simplification of the supplier 'Ready' process to make it easier for them to publish their data to more trading partners (Single Choice) \*

- Yes
- No
- Yes but I would like more information

# Healthcare NPC Advisory Group

## Agenda



Time	Subject	Who
2:00pm	Welcome, introductions and apologies	Co-Chair
	GS1 Australia Limited Trade Practices Compliance Notice	GS1
2:05pm	Approve previous minutes from previous meeting	ALL
2:10pm	Review Action Items – Progress/Updates	Co-chair/ALL
2.20pm	Regular Updates – Stats, Data Quality, AMT, Recipient updates	Ramesh/Sarah/ Recipients
2.30pm	Recipient Insights re 'API' Pilots/PoC	Long/James/Paul
2.40pm	ANZHPR – Health Jurisdictions collaboration around NPC & Data Quality	Kamlesh Lal
2.50PM	NPC and AusUDID – Update & any questions	Cath Koetz
2:55pm	Reimagining of NPC for Healthcare – Progress overview, discussion of project plan and updates	Cath Koetz/All
3:00pm	Reimagining deliverables – Detailed discussion	GS1/All
3:55pm	Confirmation of actions, next steps, next meeting	Co-Chair/GS1
4.00pm	Thanks, and meeting close	Co-Chair/GS1

# Trade Practices Compliance Notice



# GS1 Australia Trade Practice Compliance Notice

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Participants on GS1 Boards, committees, task forces, work groups, or other similar bodies, must always remember the purpose of the Board, committee, task force, or work group is to enhance the ability of all industry members to compete more efficiently and effectively to provide better value to the consumer or end user. GS1 activity almost always involves the cooperation of competitors; therefore great care must be taken to assure compliance with trade practices laws in Australia and in other jurisdictions

## **This means:**

- Participation must be voluntary.
- There will no exchange of confidential information such as prices products.
- Meetings will have a pre-prepared agenda and recorded by minutes.
- All recommendations from any meeting are recommendations only. Individual companies remain free to make independent, competitive decisions.
- Any standards developed must be voluntary standards.
- If any participant believes the group is drifting toward impermissible discussion, the topic shall be tabled until the opinion of lawyer(s) with experience in trade practices law can be obtained.

# Review of Actions Log



# Actions Log (open items)



	Action Items	Owner	Deadline	Status
2.1	Executive level 'Value proposition'  Document for use within executive level discussions within suppliers providing 'talking points' to assist with understanding the value of the NPC	Mark Blitenthall/Marian Makram Perkins/Cath Koetz (GS1)	01/05/2020	OVERDUE  Draft of Value Propositions have been shared within pre-reads with May 11 <sup>th</sup> meeting. Request HCNPCAG to review and provide feedback before publishing
3.3	Understanding UNSPSC selection process for suppliers, specifically any barriers in fulfilling populating current code set values for products and publishing to NPC.	Murray Robb (GS1)	Open	OVERDUE  Further detail required from users in order for GS1 to action further. Issue originally raised by a member of the HCNPCAG who is no longer involved in the sector
4.1	GS1 seeks the suggestions from the group regarding suggestions on what else GS1 or this group can do to help drive the Data Quality improvement within NPC.	GS1/ALL	Recurring	Ongoing and linked to broader improvement discussions
5.3	Explore options to show a catalogue has had a full review as part of the DQI reporting (Is this an Industry wide 'Ready' status?) (refer Dataset review feedback)	Murray Robb – GS1	Open	Partially included in Reimagining project actions under DQI reporting, further updates to be provided.
5.4	Explore how to signify where a catalogue has been reviewed by another recipient (Is this an Industry 'Live' status?) (refer Dataset review feedback)	Murray Robb – GS1	Open	Some investigation had been undertaken, further updates to be provided
5.5	Investigate the possibility of an 'Interim load' of data (refer Dataset review feedback)	Murray Robb - GS1	Open	Included as action within Reimagining priorities, for discussion May 11 <sup>th</sup> meeting
6.2	Project plan and 'dashboard' progress reporting related to the updated dataset (visibility of deliverables, timelines and where hold-ups are being experienced)	Murray Robb - GS1	Propose closure	New dataset launched and implemented, dash board provided for updates to HCNPCAG. Any carry over items should be added as individual items
6.7	Development of report informing suppliers which recipients are using/have accessed their data within the previous month	Deb Prince & Murray Robb - GS1	Open	Some initial investigation had been completed but further updates to be provided



# Actions Log (open items)



	Action Items	Owner	Deadline	Status
7.1	<p>AMT-CTPP Action plan to be developed including:</p> <p>Creation of an AMT-CTPP – GTIN Value proposition paper, outlining data linkage initiative and benefits to industry</p> <p>Practical Demonstration of how the AMT-CTPP and GTIN Linkage works in practice incl overview plus data flows etc..</p>	Sarah Kong ADHA	Open	Change of owner to Sarah Kong from Pang Teng following his departure from ADHA
7.2	Update/Actions on remaining Dataset Review changes including new or amended fields, changes to validation rules, changes to DQ reporting, transition to any GDSN attributes from local attributes (resulting from the Healthcare Dataset Review 2020/21)	Murray	Open	
7.3	Allowing for the new dataset to stabilize and be implemented, complete a review/assessments of what data is actually being used and HCNPCAG to then decide whether any attributes can be removed from the sector requirements.	Murray Rob with Recipients	September 2022	Details to be determined. Item added based on discussion in Sept 2021
7.4	Use cases to be updated to add 'Supply Chain Surety' and reflect feedback from Reimagining workshops	Cath Koetz/Mark Blitenthall GS1	Open	Updated Use case document provided as pre-read for May 11 <sup>th</sup> 2022 meeting. Request for any feedback before publishing.
7.5	Actions from Workshops to be shared with HCNPCAG for feedback to help define priorities	Cath Koetz GS1	Propose closure	Workshop details and agreed actions have been shared. Updates on all provided as part of pre-reads May 11 <sup>th</sup> 2022 meeting. Propose closing this item and creation of new item regarding delivery of agree actions from Reimagining review process

# Regular Updates

- NPC statistics – detailed update on # of users and product records
- Data Quality Improvement progress
- AMT CTPP/GTIN project update
- Updates from Recipients on their programs





## 65,897 GLN/entities involved

incl manufacturers/suppliers, recipients (health organisations, GPO, distributors etc.), government agencies etc..

\* Increase by **1,466** (2.2%) since Oct 2021

## 44 Active GDSN Datapools working in healthcare

Australia's NPC is 3<sup>rd</sup> largest globally

\* Increase by 3

## 253 Countries (Target Markets)

\* No change

## 4,778,288 Product Records

- 3,962,019 MedTech +3.5%
- 83,119 Pharma -0.5%
- 733,150 Other +2.1%

\* **3.2%** increase on Oct 2021 numbers

# NPC HC Statistics – AU (April 2022)



## 666 Publishers/Suppliers

\* Decrease by **1** since October 2021

## 5 Certified Product Providers

\* no change

## 24 Recipients

- 8 state health departments
- 4 private hospital groups
- 11 distributors
- ADHA

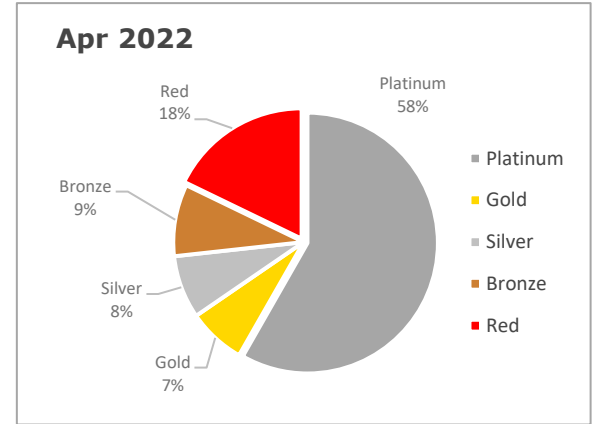
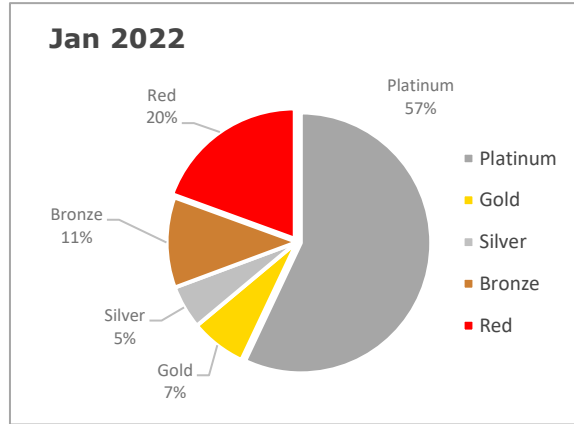
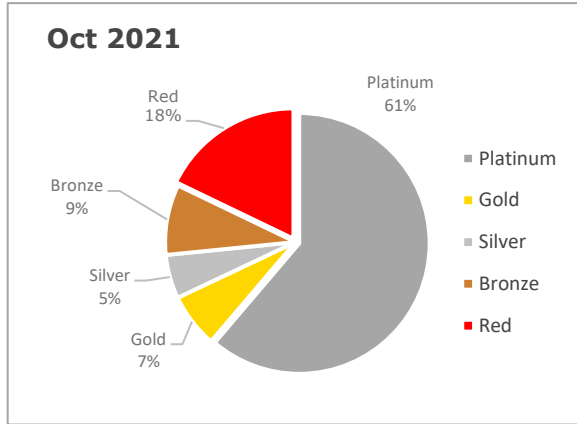
\* Increase by **1** since October 2021

## 472,905 Product Records

- 400,449 MedTech
- 72,456 Pharma & Other

\* 3.9% increase on October 2021 numbers

# Healthcare Data Quality Program



	Red	Bronze	Silver	Gold	Platinum
April 2022	82 – 18%	41 – 9%	36 – 8%	33 – 7%	<b>268 – 58%</b>
Jan 2021	90 – 20%	52 – 11%	25 – 5%	32 – 7%	<b>264 – 57%</b>
Oct 2021	82 – 18%	40 – 9%	25 – 5%	31 – 7%	<b>281 – 61%</b>

	Top DQ Errors
1	Missing v19.0501 UNSPSC code
2	Missing Manufacturer Name
3	Invalid Prostheses Rebate Code
4	Missing Manufacturer Internal Reference

# Addressing the Top Data Quality errors



	Top DQ Errors	Count	Suppliers
1	Missing v19.0501 UNSPSC code	27511	84
2	Missing Manufacturer Name	15274	43
3	Invalid Prostheses Rebate Code	7472	20
4	Missing Manufacturer Internal Reference	4207	41
5	Trade Item Description contains commas	3982	37
6	Depth contains 9999, 99999, 999999	3870	20
7	Width contains 9999, 99999, 999999	3844	20
8	Trade Item Description = Additional Trade Item Description	3826	15
9	Height contains 9999, 99999, 999999	3817	20
10	Brand missing from beginning of Trade Item Description	3583	30

- Dedicated resources allocated to Data Quality team
- Top 2 DQ Errors will be the primary focus
  - For UNSPSC error, most suppliers have v8
- Invalid Prostheses Rebate Code to be reviewed with suppliers, either update or remove
- Issues faced by DQ team
  - Working through the errors for suppliers with larger catalogues
- Action:
  - Review of validation rules to remove any that are unnecessary for AU Healthcare so focus on critical errors

# AMT-CTPP Update – Apr 2022



- 6,129 NPC records have a valid AMT-CTPP code
  - **0.6%** increase Nov to Apr
- 40 NPC records contain a deprecated code (replacement available)
- 224 NPC records contain an invalid AMT-CTPP code
- 3,751 NPC records have been identified as probable AMT-CTPP applicable records - not populated
  - \* 1.5% decrease since Nov

# Regular Updates

Updates from Recipients on their NPC programs & engagement activities





# Recipient Insights API Pilots/PoC



# ANZHPR – NPC Communique



# NPC and AUsUDID





# Reimagining NPC for Healthcare

## Overview – Progress and plans



# Recap - Recipient & Supplier workshops



## NPC Operational Improvements

- Improve Healthcare Users experience **LOADING** and **MANAGING** data
- Enhanced flexibility in **LOADING** and **MAINTAINING** data
- Streamline supplier 'Ready' process
- Enhanced use of NPC data in areas such as Tendering
- More flexible options for Recipients to access the Data, have visibility of quality that will encourage and enable greater use
- Enhancements to highlight Data Quality issues
- Purge or filter known errant data

## Develop In-system communication

- Ability for the NPC to support recipients and suppliers message each other within the system enabling direct messages to teams managing data.

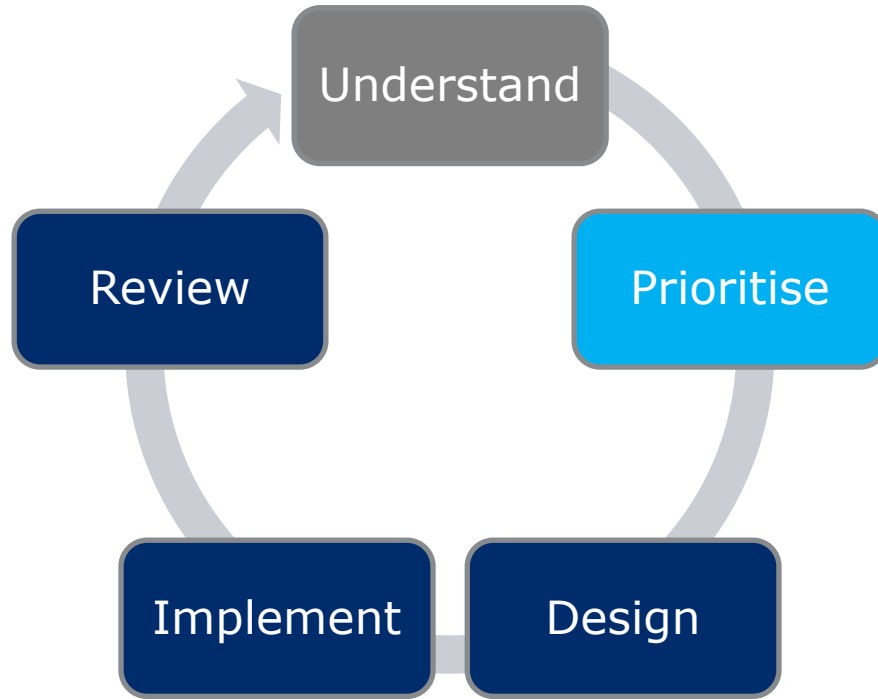
## Update User resources

- Review and update Recipient focused documentation and processes to enable and reinforce effective implementation, onboarding and ongoing use
- Review of User Education
- Improve understanding and visibility of Recipient requirements
- Improve communication and understanding of value

## Improve Dataset Reviews & BAU update/roadmap

- Improve speed of Dataset Reviews
- Clearer, more transparent process related to requests for updates outside of Dataset Review

# Recap - Next steps...



- Detailed internal review of the priorities to
  - Define streams of work
  - Define work required for each item – including where more external input is needed
  - Publish a roadmap/program for reporting back to the HCNPCAG to clearly set expectations
  - Develop communication to sector

# Progress & Plans



Grouping	Objective	Item	Details	Sector Priority	Summary update/planned actions	Scheduled delivery
Operational improvements	Improve Healthcare Users' experience LOADING and MANAGING data	1.1	Improving online capability for managing larger catalogues	1	Scoping/Planning phase - Updated tool for online users (NPC Xpress) to be build to suit healthcare requirements with capability to support larger catalogues and bulk maintenance. To be discussed at May 2022 HCNPCAG	Q3/4 2022
Operational improvements	Improve Healthcare Users' experience LOADING and MANAGING data	1.2	Review options to more readily enable data to be managed from supplier PIM to NPC without need of middleware, and thereby remove some complexity and cost that have been raised as concerns by suppliers	1	Review phase - Improve documentation and communication of options for Machine-to-Machine that allow data to be managed direct from PIM etc.. Existing options for XML not well known. Some service offerings may be needed to help in implementations. Further documentation of options beyond XML will be created as they are developed.	Q3/4 2022
Operational improvements	Improve Healthcare Users' experience LOADING and MANAGING data	1.3	Supplier UI experience improvements to enable greater tailorability for individual use profiles - across a business or within a business	3	Refer 1.1 update as updated online tool will improve UI to make it specific for users within healthcare. Refer Pre-read. To be discussed at May 2022 HCNPCAG	Q3/4 2022
Operational improvements	Enhanced flexibility in LOADING and MAINTAINING data	2.1	Review how pricing updates can be provided through the system where item data may have known errors that currently block this (updates may not have been completed on item data but pricing changes are urgently needed so flexibility has been highlighted as a critical need)	1	Published items are able to have PRICE updated even where ITEM is out of date according to review of all methods of access (Certified middleware & Publisher). Noted that PRICE update needs to be possible within planned NPC Xpress for Healthcare (refer 1.1). To be discussed at May 2022 HCNPCAG. Further feedback regarding specific issues are invited, otherwise GS1 proposes closure of item.	Q2 2022
Operational improvements	Enhanced flexibility in LOADING and MAINTAINING data	2.2	Interim load capability for products where not all attributes are available when product is created, but there is urgency to set up a basic product record	2	Scoping/Planning phase - Initial scoping of a 'preliminary load' solution has been completed and will be discussed at May 2022 HCNPCAG. Proposal to form a working group to further investigate. Refer Pre-read. To be discussed at May 2022 HCNPCAG	Q2 2022
Operational improvements	Enhanced flexibility in LOADING and MAINTAINING data	2.3	Remove requirement for a Distributor to reload a complete record of a supplier/sponsor data, and instead define data requirements for a Distributor which relate to their product's ID, their sales units, their pricing only. Consideration needs to be given to how data will consolidate in the outbound message to the recipient as a single record, potentially, and also to where supplier data is not available to provide the core attributes	1	Scoping/Planning phase - Initial scoping of a 'Distributor load' solution has been completed and will be discussed at May 2022 HCNPCAG. Proposal to form a working group to further investigate. Refer Pre-read. To be discussed at May 2022 HCNPCAG	Q2 2022





# Reimagining NPC for Healthcare

## Detailed discussion



# Updated Use Cases (Item 12.2)



**Ask of HCNPCAG:** Review updated Use Case document and provide feedback by 25th May

# Value Propositions (Item 12.1 + HCNPCAG Action Item 2.1)



**Ask of HCNPCAG:** Review Value proposition documents and provide feedback by 25th May

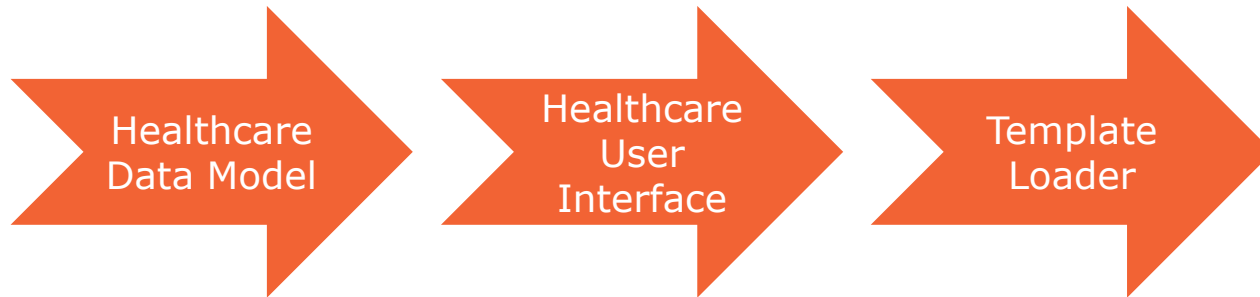
# Online User Improvements (Items 1.1, 1.3)



# Online User Improvements



- Improve Online capability for managing larger supplier Catalogues
- NPC Xpress developments (balance of 2022)



- ***Demo NPC Xpress – Mike Lee***



# Pricing Updates (Item 2.1)





# Item 2.1 – Review Flexibility of Price Updates



## Task:

Review how pricing updates can be provided through the system where item data may have known errors that currently block this (updates may not have been completed on item data but pricing changes are urgently needed so flexibility has been highlighted as a critical need)

## Findings:

The NPC Publisher interface and Certified Product Partners do not prevent urgent price updates from being loaded if the item data contains error for an **already Published** item. Currently reviewing internally how to communicate this piece of information to remove any concerns that suppliers may have.

Future development of 'NPC Xpress' for Healthcare will also not force item update unless sector requests for this to occur.

**Ask of HCNPCAG:** Agreement to close this Action item unless specific issues to be further reviewed?

# Interim Load (Item 2.2)



# Interim Load = 'Preliminary Item'



## Background:

An indicator to inform recipients that the product details being provided are 'Preliminary' only. That is, once finalised, the publisher will update the product details and set the Preliminary Item flag to 'FINAL'.

## Proposed Actions:

- Form a sub-group to discuss implementing Preliminary Item
  - Determine if the attribute has recipient/publisher support
  - Recommend attributes that could be populated as 'preliminary'
  - Recommend how 'preliminary' attributes should be populated
  - Recommend when a FINAL update is required and how should a FINAL be enforced
- Sub-group to report to Advisory Group

**Ask of HCNPCAG:** Does group support the forming of a working group to investigate this further?

# Distributor Data Loading (Item 2.3)



# Distributor Data Loading – Alternative



## Background:

A proposal for the brand owner and or product sponsor to be responsible for publishing and maintaining product specific and regulatory related details while the distributor to be responsible for supply chain related information.

## Proposed Actions:

- Form a sub-group to discuss the alternative 'Distributor Model'
  - Determine if the attribute has brand owner/sponsor, distributor & recipient support
  - Recommend sub-sets of attributes – Brand Owner/Sponsor, Distributor
  - Recommend how the Distributor Model could work and how issues could be addressed
- Sub-group to report to Advisory Group

**Ask of HCNPCAG:** Does group support the forming of a working group to investigate this further?

# Proposed simplification of 'Ready' process (Item 3.1)



# Proposed changes to 'Ready' process



## Background:

The NPC Ready process ensures that suppliers data meets the minimum mandatory data requirements before publishing data. This process has previously been repeated for each recipient and feedback indicated it slowed the process to publish to trading partners and added unnecessary repetitive steps to the process for suppliers.

## Proposed Actions:

- To implement a single 'sector ready' for ITEM data. All the same steps will be carried out as before, with the exclusion of any checks related to publishing of pricing.
- Suppliers will be able to publish to any/all trading partners on the NPC thereafter without additional steps or costs.
- If additional reviews are required by a specific trading partner an additional ready process will need to be defined for those areas not covered by the sector ready and will need to be communicated by the recipient of their suppliers.

**Ask of HCNPCAG:** Does group support the implementation of this change to the 'ready' process?

# Use of NPC in Tendering (Item 4.1)





# Use of NPC in Tendering Process



## Background:

Historically, NSW Healthshare, Healthshare Victoria & SA Health have supported the use of the NPC within their tendering processes. For a range of reasons, this is no longer occurs.

Proposal to investigate how the NPC could be used by Publishers to enhance the tendering process by reducing data entry tasks and by improving data accuracy.

## Proposed Actions:

- Form a sub-group of Publishers and Recipients to discuss how the NPC could be best utilised during the tendering process
- Sub-group to report to Advisory Group

**Ask of HCNPCAG:** Does group support the forming of a working group to investigate this further?

# Increasing NPC data access flexibility via API (Item 5.1)

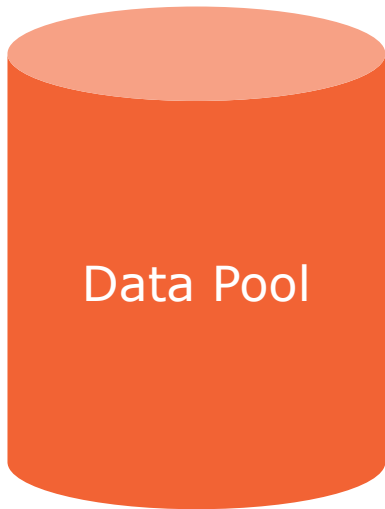


# Data Pool Recipient APIs

Exist today



Pub / Sub



Data Pool

Find all hierarchies  
Published to me



Retrieve GTIN based  
on Publication only



Retrieve GTIN pricing  
based on Publication  
only



Query using **time** – I want a list of everything that's changed since I last enquired



Query using **GS1 Keys**  
GTIN or GLN  
Retrieve a List



Retrieve synchronised  
GTINs



Retrieve Pricing  
records for  
synchronised GTINs

**Ask of HCNPCAG:** Provide initial feedback re interest in use of API & any needs beyond those shown

# Increasing ITEM data availability via proposed 'Data Lake' (Item 5.4)



# Industry Item 'Data Lake'



## Background:

- Traditionally, supplier must publish data to each data recipients they trading with. The process also requires data recipients to subscribe to each supplier's item catalogue to access the data on the NPC. The is a GDSN concept call "publication-subscription" match.

## Proposed Actions:

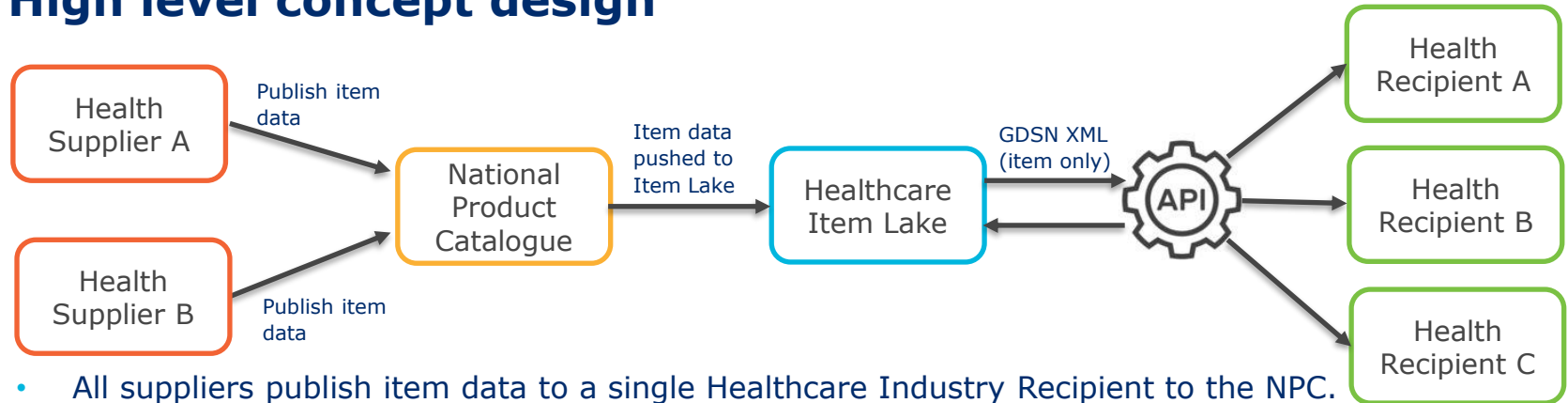
- To simplify this process, explore a solution that will enable all recipients to access data readily in an "open data lake". The solution should:
  - Enable recipients to access all products available published by suppliers on the NPC, not just to specific recipients.
  - Not require item subscription process by recipients.
  - Data provided by suppliers must be neutral and not contain recipient specific data
  - Only item data is made available, no pricing information.

**Ask of HCNPCAG:** Does group support the continued exploration of an Industry 'data lake'?

# Industry Item 'Data Lake'



## High level concept design



- All suppliers publish item data to a single Healthcare Industry Recipient to the NPC.
- The data is pushed to a healthcare industry item lake and stored securely.
- Recipients can connect to an API to search and pull suppliers data when required.
- Explore the possibility of a "customised" XML. E.g. push item that contains pharmacy data only without supply chain data which is not of interest to the recipient within the XML payload.

**Ask of HCNPCAG:** Does group support the continued exploration of an Industry 'data lake'?

# Development of additional In-system communication (Item 8.2)



**Ask of HCNPCAG:** Does group agree to closing this action at this time?

# Improve speed of Dataset Reviews (Item 13.1)



**Ask of HCNPCAG:** Does group agree to closing this action at this time?





# Any other business/topics



# Confirmation of actions and next steps



# 2022 meeting dates

~~1Q 2022 - Wed 9/02/2022, 2-4pm skipped due to project planning~~

**2Q 2022 - Wed 11/05/2022, 2-4pm**

**3Q 2022 - Wed 3/08/2022, 2-4pm**

**4Q 2022 - Wed 9/11/2022, 2-4pm**



# Meeting close