Name	Healthcare NPC Advisory Group (HCNPCAG) – 2Q 2022 meeting
Purpose	NPC Advisory Group for Healthcare industry

Meeting details:

Date	Time	Location
11 May 2022	2:00pm	Remote dial-in
Co-Chair	Elizabeth Donohoo, Director Terminology - Australian Digital Health Agency	
	Peter Wilson – Hospital Project Specialist, Uniting Care Health	
GS1 facilitation	Cath Koetz, Industry Manager - Healthcare - GS1 Australia	
	Mark Blitenthall, Manager Service Engagement – GS1 Australia	
NPC Technical lead	Ramesh Rayer, Technical Manager – Services Technical Support, GS1 Australia	
Attendees & Apologies	Refer later in minutes	

Meeting minutes:

This meeting chaired by Peter Wilson

Welcome, introductions and apologies – Attendees/Apologies (refer later in this document)

Minutes tabled - Approved by Peter Wilson, seconded by Kamlesh Lai

GS1 Australia Trade Practices Compliance notice – Referred to each meeting, accessible on HCNPCAG HUB (Link)

Review of Action Items

o **2.1 - *Executive level 'Value proposition' development*** – draft shared with HCNPCAG for review and approval ***Action: feedback invited till 25th May.***
o **3.3 – *UNSPSC selection process improvement*** – Murray Robb. Further details regarding specific issues that were to be solved by this action have not been forthcoming so this item is proposed to be closed. Agreed by group to do so.
   • Interest in a gap analysis between version currently in use (v19.0501) and most recent version. UNSPSC changes have a significant impact on classification of products and on business processes that rely on this classification. It was decided not to move the sector to the most up to date version during the dataset review but this can be revisited if required. Review of the differences between the latest UNSPSC and v19 (AU HC default) to be completed and shared with the group. The difference between Australian HC and NZ Healthcare was also highlighted. Refer new action item.
o ***4.1 - Suggestions on what else GS1 or HCNPCAG can do to help drive the Data Quality improvement within NPC.*** No feedback received but opportunities to drive data quality improvement from NPC reimagined process. Murray Rob – industry group to provide input into data quality report. To be reviewed at next advisory group. Further discussion in latter part of meeting where Data Quality Statistics were presented.
o ***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?)*** Murray Robb - could be solved via changes to Data Quality Reporting. Further discussion in future HCNPCAG meetings and potential sub group to discuss this could be needed.
o ***5.4 - Explore how to signify where a catalogue has been reviewed by another recipient (Is this an Industry 'Live' status?)*** Murray Robb – industry group to provide input into data quality report may resolve this. To be reviewed at next advisory group in greater detail to determine best approach.

- o ***5.5 - Investigate the possibility of an 'Interim load' of data (refer Dataset review feedback)*** to be discussed later in this meeting as part of Reimagining deliverables.
- o ***6.7 - Development of report informing suppliers which recipients are using/have accessed their data within the previous month*** – Murray Robb. Proposed that we close this action item due to the difficulties with understanding how recipients are using data because of M2M integration. Some of the challenges related to this may be solved via the proposed Data Lake (refer later in minutes/agenda)
- o ***7.1 – AMT-CTPP Action Plan*** – (This action is an amalgamation of 3.2, 6.3, 6.4). ADHA staff (Sarah Kong) not available to provide update at this meeting so it is to be provided at next meeting.
- o ***7.2 –Dataset Review changes implemented post go-live*** – Murray Robb. Final changes from dataset review were inclusion of changes to the data quality reports in Feb/ March. All tasks completed – so propose that this can be closed. Any additions should become a new requirement.
  - Request received from Ian Boyle (QH) for us to add volume as an attribute? ***Action to be taken by NPC team (Ramesh/Murray) to investigate and suggest solution/options***
- o ***7.3 – Review/Assessment of data usage.*** Suggest this is kept as a standing item for review when we have 12 months of data post data review
- o ***7.4 – Use Case review/update to reflect Re-Imagining workshops and inputs*** – Use Cases updated and provided in pre-reads. ***Action: feedback invited till 25th May.***

Regular Updates

GDSN statistics – Presented by Ramesh Rayer – see slides for detail.

NPC statistics – Presented by Ramesh Rayer – see slides for detail.

Data Quality Improvement progress – Presented by Ramesh Rayer – see slides for detail.

- **Comments/Questions from group**: Kam issues 2 (Missing Manufacturer Name) and 4 (Missing Manufacturer Internal Reference) in the data quality reports are related so should be handled together

- **Peter Wilson** – Prosthesis rebate codes for hospital sector are critical and change 3 x per year due to federal changes. Wrong rebate codes cause significant issues. NPC is perfect vehicle for trying to map this and this is a high priority. Agreement that it is important to get a robust process around this. Currently there are validation rules in place to highlight where old codes exist and prompt for code to either be updated or removed. Ramesh to look into rebate code options.

AMT CTPP/GTIN project update - Presented by Ramesh Rayer – see slides for detail. Will seek to provide an update from ADHA perspective in-between meetings or at the next meeting

- **Comments/Questions from group:**

Recipient Program Updates – None for this meeting

Additional Topics

Recipient Insights re 'API' Pilots/POC – Long Lam. API has significant potential to enable process efficiency, semi automation of a lot of the manual processes, etc. NPC API has limited application at the moment because the NPC has some improvements that still need to be implemented. Data Lake will provide an industry wide product catalogue. Initiatives such as using CTPP as reference codes facilitates links into other datasets to source alternatives (both direct and therapeutic). The current process for sourcing alternatives is time consuming and manual. Having codes, etc. will mean that automated referencing of codes can suggest alternatives without having to rely on pharmacist. API will allow reps to find alternatives for particular products (used in conjunction with things like macro-enabled workbooks to provide information on products).

Testing has shown significant improvements in efficiency from implementing these types of process e.g. in sourcing cheaper products. Current manual processes provide no time to consider alternatives and people just purchase what is front of mind.

Potential for all health services and reps to use and access NPC to get this information.

Suggestion of forming a small group to further discuss the use of APIs.

ANZHPR – Health Jurisdictions collaboration re NPC and Data Quality – Kamlesh Lai – The need for complete and accurate data has never been more important. Jurisdictions are looking for benefits from increased automation, supply chain surety, etc. and are undertaking strategic reviews of supply chain information. Suppliers will be requested to supply date via the NPC. Benefits of providing accurate master data:

- Streamline processes
- Reduce manual rework
- Faster payment processing
- Ability to implement EDI
- Improved outcomes for patients
- Ensure the right product, in the right place, at the right time
- Elimination of waste
- Automation of processes
- Recall management
- etc

NPC & AusUDID – progress in project to enable suppliers to use NPC to allow data to flow to TGA around to support implementation of AusUDID. Will reach out to users to participate in pilot and to get feedback. Cath Koetz happy to engage one-on-one with interested parties.

Reimagining deliverables – Detailed discussion

Reimagining NPC for Healthcare – Progress Overview, Project Plan and updates
Detailed analysis carried out within the GS1 team to determine best approaches to the actions/issues raised during the 'Reimagining' review process in 2021. Apology for the delay in coming back to the HCNPCAG with details, however this process has taken some time in order to ensure that we had right sized and prioritised suggestions for the sector consider. Summary of the proposed solutions and delivery dates were provided as a pre-read ahead of the meeting and will continue to be provided as a project update to help track progress of the actions.

o **Updated Use Cases Item 12.2** (refer pre-read: Standardised Data Use Cases) – Cath Koetz. *Action: feedback invited till 25th May.* Initial suggestion to remove covid references and make more generic.
o **Value Propositions Item 12.1** (refer to pre-read: Value Propositions) – Mark Blitenthall. *Action: feedback invited till 25th May.*
  - Peter Wilson – suggested these be shared again separately?
o **Online User Interface improvements (Items 1.1, 1.3)** – Justin Middleton/Mike Lee. Showcase of NPC Xpress platform to provide insight into planned future improvements for suppliers. Positive initial feedback. Suggestion for a further, more detailed demonstration and discussion of how this should be implemented for healthcare to be scheduled in future as planning to create commence – sector will have input. *Action: Meeting to be scheduled with interested user community members in future date TBC (NPC Product Management).*
  - **Question** asked re whether this will provide improvements for recipients (Elizabeth Donohoo), and though they are related this platform is focussed on suppliers and separate improvements for Recipient UI will be presented at future meetings.
o **Pricing Update (Item 2.1)** - Ramesh Rayer. Confirmed pricing is able to be updated without updating item data as long as the item has been published to a recipient already. Agreement by group to close this item
o **Interim Load (Item 2.2)** (refer pre-read: Interim Load) - Murray Robb. Provided high level overview of the need for Interim loading. Further discussion needed within the sector stakeholders to determine next steps and possible more detailed solutioning. *Actions: Working group to be formed. Call for nomination for participants to follow meeting. Group to provide detailed recommendation to the next HCNPCAG for sign off. (WG owner – Murray Robb)*
o **Distributor data loading (Item 2.3)** (refer pre-read: Distributor Data Load) - Murray Robb. Provided high level overview of the need for a change to how distributors (non-sponsors) are required to provide data via the NPC to help eliminate unnecessary duplication of effort and confusion where data does not match between

sponsor/supplier and their distributors. Further discussion needed to unpack issues and define a solution. Kamlesh Lau supported this - keen to improve supplier data from big distributors. *Actions: Working group to be formed. Call for nomination for participants to follow meeting. Group to provide detailed recommendation to the next HCNPCAG for sign off. (WG owner – Murray Robb)*

- o **Proposed simplification of 'Ready' process (Item 3.1)** (refer pre-read: Ready process) – Deborah Prince. Proposed solution to remove recipient specific 'Ready' process in place of industry 'Ready' as the review is identical for all recipients due to the industry dataset. Allowance can still be made for additional ready steps if a recipient requires for a particular reason. The proposal was put to the HCNPCAG for a vote via Poll - 100% support for simplified ready process. *Action: The change to the ready process for healthcare will implemented as quickly as possible. Update to be provided at next HCNPCAG (Deb Prince)*

- o **Use of NPC in Tendering (Item 4.1)** – Murray Robb. Further analysis of the request is needed and therefore the establishment of a sub-group with representatives from all stakeholder groups is suggested. *Actions: Working group to be formed. Call for nomination for participants to follow meeting. Group to provide detailed recommendation to the next HCNPCAG for sign off. (WG owner – Murray Robb)*

- o **Increasing NPC data access flexibility via API (Item 5.1)** – Justin Middleton. Existing API (within NPC) capability presented. Sector suggested that they would like to see JSON output and to be able to use search/seek using more than GTIN and GLN. Examples provided included ARTGID and UNSPSC. *Action: Cath Koetz to provide opportunity to provide feedback in the follow up to the meeting.*

- o **Increased ITEM data availability via proposed 'Data Lake' (Item 5.4)** – Keith Lai. One of the suggestions GS1 have is for a whole of sector data lake to be created to allow for suppliers to publish Item data into one place for all recipients to access & search. Requirement for individual publishing would remain required for pricing to be published (due to secure nature of pricing) however for ITEM master the data is common. Primary advantage would be that more users could access and use suppliers data, this would also allow for sector specific API or other more flexible user interfaces to be created to help with accessing of data across all recipients. The concept was put to the HCNPCAG for a vote re support for GS1 to pursue this further via Poll. 100% support received to continue with this. Reinforcement that this would address issue with need to access ALL product data. *Action: NPC product management (Justin/Keith) to provide further updates on plans re this at next HCNPCAG. Sector stakeholders to be included in consultation where needed to refine requirements.*
  - • **Question** re whether this is the same as the proposed change to the 'Ready process'. The 'Ready' process is designed to help ensure data meets defined minimum requirements before suppliers publish to any trading partners, whilst the sector 'Lake' is designed to help all recipients to access the data. The two will certainly be related once the lake is in place but the change to the ready process will immediately reduce the cost and time for suppliers and should speed up their ability to share data with all trading partners using the NPC

- o **Development of additional In-system communication (Item 8.2)** – Cath Koetz. Proposal to close this. To be taken offline for vote due to time constraints

- o **Improve speed of Dataset Reviews (Item 13.1)** – Cath Koetz. Proposal to close this. To be taken offline for vote due to time constraints

Any other business/Topics – Peter called for a subgroup to collaborate on UNSPSC use in the sector and how to improve it. *Action to be taken by NPC team (Ramesh/Murray) to analyse V19 and newer versions to support further discussion. Pending results a small sub group will be formed to discuss further and report back to HCNPCAG at the next meeting.*

Confirmation of actions and next steps – refer to Actions Log.

Confirmation of next meeting dates	
Meeting Close	

Next HCNPCAG meeting

Date & Time	TBC
Location	Remote dial-in (Note: new invitation to be provided)
Organiser	Cath Koetz – GS1
Co-Chairs	Elizabeth Donohoo – ADHA and Peter Wilson – Uniting Care Health

Actions Log:

	Action Items	Owner	Deadline	Status
1.1	Terms of Reference to be updated with feedback from Kick Off meeting & distributed to HCNPCAG members for review and approval at commencement of Meeting 1 2020.	Gary Russon (GS1)/ALL	Closed	Approved, Item closed 19 February 2020
1.2	Call for Co-Chair Nominations from HCNPCAG group members in accordance with Terms of Reference.	Gary Russon (GS1)/ALL	Closed	Rob Setina (HPV) and Elizabeth Donohoo (ADHA) confirmed as co-chairs 17th June 2020
1.3	Detailed NPC statistics to be provided for reference at all future HCNPCAG meetings	Sascha Timoshanko (GS1)	Closed	This is to be closed as an action item and be included as part of the standing agenda for the AG meetings
1.4	Healthcare Data set & Use Case Review by industry	Cath Koetz & Murray Robb (GS1)	Closed – refer to Action 3.5	Discussion at meeting on 26th August to launch after delays.
1.5	Enhancement requests for NPC platform and Data Quality Improvement reports	Justin Middleton & Murray Robb (GS1)/All	Closed	This will be closed as an action and be included as a part of the standing agenda of the AG meetings
1.6	Nominations for additional industry representation (in line with Terms of Reference)	GS1/ALL	Closed	Additional nominations open at any time This will be closed as an action and be included as a part of the standing agenda of the AG meetings
1.7	Meeting requests including Zoom dial in details to be sent to HCNPCAG group members for all 2020 meetings	GS1	closed	2020 meetings have all been set and invitations sent.
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/Emma Morrison/Cath Koetz (GS1)	01/05/2020	OVERDUE Draft of Value Propositions shared within pre-reads with May 11th meeting. Request for feedback by May 25th before publishing.
2.2	Recipients to share details of their programs on an ongoing basis to the AG (within Recipient updates) and aim to communicate this within their own programs.	Recipients (ALL)	Closed	This will be closed as an action and be included as a part of the standing agenda of the AG meetings
2.3	Further discussion in future meetings to ensure that required NPC statistics are available across all active Recipients to further detail the utilisation of NPC data.	GS1 staff Recipients (ALL)	closed	No additional feedback provided, closing item as an action and can revisit in future as needed
3.1	GHS (Global Harmonised System) as possible NPC attribute for Dangerous & Hazardous Goods classification and reporting	AG members to advise within dataset review	Closed	Agreement to add to the NPC Dataset as optional for all products, Closed Feb 2021
3.2	Creation of ADHA driven AMT-CTPP – GTIN paper, outlining data linkage initiative and industry support. Also call for ideas supporting other digital or meds management initiatives/policies, calls for ideas – note.	Pan Teng (ADHA) Cath Koetz/Murray Robb (GS1)	Closed – refer 7.1	Pan to seek assistance to craft statement on AMT-CTPP – GTIN initiative. Cath & Murray to look at mechanisms to support process from GS1 side

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)	Closed	Closed post May 11 2022 meeting due to limited detail. Can be reopened if required in future with a new action.
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.
4.2	All HCNPCAG members invited to actively participate in the Dataset Review process	GS1/ALL	Closed	Completed and participation from representatives across the sector very good (refer Nov 2020 meeting) Agreement to close 3rd June 2021
5.1	Finalisation of the Healthcare Dataset ready for implementation including new or amended fields	Murray Robb - GS1	Closed	Closed as review has been finalized, but a new action added as 7.2 to allow for reporting on any outstanding items that need to be implemented.
5.2	Improvement to user documentation for the healthcare sector including the development of new tools to assist all users where needed/possible (refer Dataset review feedback)	Murray Robb/Deborah Prince – GS1	Closed	Included as a part of the various deliverables deliverables within the Reimagining project
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.
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	Working group to be formed to discuss further – refer Reimagining deliverables.
5.6	Ongoing process improvement (refer Dataset review feedback)	GS1/ALL	Closed	Closed as agreed Sept 2021 as this is a core element of the HCNPCAG versus a single action item
6.1	Co-Chair nominations to be sent to group	Cath Koetz - GS1	Propose to close Dec 2021	Nominations sent and new Co-chair appointed
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	Closed	New dataset launched and implemented, dash board provided for updates to HCNPCAG. Any carry over items should be added as individual items Close this one
6.3	Value proposition AMT-CTPP to be revisited / refined	Pan Teng ADHA / Cath Koetz GS1	Closed	Action amalgamated into 7.1
6.4	Arrange a practical demonstration for AMT-CTPP initiatives in action. Overview plus diagrams of data flows.	Pan Teng ADHA / Cath Koetz GS1	Closed	Action amalgamated into 7.1
6.5	Coordination of deep dive workshops separately for recipient and supplier NPC users to further investigate usage concerns	Cath Koetz / Mark Blitenthall	Closed	External workshops held 17th & 19th August
6.6	Improving visibility - NPC Recipient outreach to enhance visibility of recipient information that can be accessed via GS1 and Recipient websites (data usage, requirements, programs, contacts etc.)	Cath Koetz- GS1	Closed	New Australian Healthcare Recipient webpage created by GS1 (https://www.gs1au.org/for-your-industry/healthcare/npc-in-

				healthcare/australian-healthcare-data-recipients?viewmode=0) Further enhancements require Recipient action to be completed
6.7	Development of report informing suppliers which recipients are using/have accessed their data within the previous month	Deb Prince & Murray Robb - GS1	Closed	Investigation showed some issues with this due to the method used by recipients to source data (not manual download but continual data sync/flow). Some reporting may be enabled through improvements from the Reimagining deliverables.
7.1	AMT-CTPP Action plan to be developed including: Creation of an AMT-CTPP – GTIN Value proposition paper, outlining data linkage initiative and benefits to industry Practical Demonstration of how the AMT-CTPP and GTIN Linkage works in practice incl overview plus data flows etc.. (This action is an amalgamation of 3.2, 6.3, 6.4)	Sarah Kong ADHA	Open	(This action is an amalgamation of 3.2, 6.3, 6.4) Change of owner to Sarah Kong from Pang Teng following his departure from ADHA. Updates to be added to future meetings.
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	Closed	All actions from the dataset review have been actioned into production and therefore this item was closed May 2022.
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.	GS1 NPC team with Recipients	September 2022	Details to be determined. Item added based on discussion in Sept 2021 to ensure that what is being requested is of value.
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 11th 2022 meeting. Request for feedback by May 25th before publishing.
7.5	Actions from Workshops to be shared with HCNPCAG for feedback to help define priorities	Cath Koetz GS1	Closed	Workshop details and agreed actions have been shared. Updates on all provided as part of pre-reads May 11th 2022 meeting. Propose closing this item and creation of new item regarding delivery of agree actions from Reimagining review process
8.1	New Attribute for 'Volume' raised by Ian Boyle from Queensland Health. NPC team to investigate options for automatically calculating Volume by using data already provided or option for additional attribute (if not able to the calculated).	Murray Robb/Ramesh Rayer GS1	New May 2022	

8.2	Detailed actions from 'Reimagining NPC for Healthcare' to be reported at each meeting via project summary update and reporting on specific items. Individual owners of deliverables will report where needed on progress.	Cath Koetz/Mark Blitenthall GS1	New May 2022	
8.3	Review of UNSPSC to ensure a. version 19 is still appropriate; b. look at how GS1 could provide more tools to support suppliers in mapping codes; and c. ensure clear communication regarding how recipients use/wish to use UNSPSC classification to support their processes (supply chain surety, catalogue groupings etc..)	Murray Robb/Ramesh Rayer GS1	New May 2022	

Meeting attendee summary

Name	
Name	Healthcare NPC Advisory Group - Meeting 10 - 2Q 2022

Meeting details

Date	Time	Location
11 May 2022	2pm-4pm AEDT	Remote dial in – Zoom details in meeting invitation

Attendees	
Name	**Organisation**
Peter Wilson	UnitingCare Health
Elizabeth Donohoo	Australian Digital Health Agency
Annette Fennell	3M
Paula Bandini	Boston Scientific
Jonathan Gold	Calvary Health
Michel Hulzebos	Healthscope
Will Monaghan	NT Health
Reuben Daniels	eHealth Queensland
Anojan Sivarajah	Healthshare NSW
Ian Boyle	Queensland Health
Julie Domanski	NT Health
Long Lam	HealthShare VIC
Anni Zhu	Teleflex
Steve Bruce	Stryker
Chris Hawke	Device Technologies
Kamlesh Lai	HealthShare VIC
Rob Swain	ACT Health
Brenton Stuart	SA Health
Ian Bull	ACT Health
Vijaya Khandekar	Healthshare NSW

Apologies received from
Sarah Lankshear – Stryker
Sandy Giles – Cook Medical
Trent Barrett – Johnson & Johnson Medical
Deepti Shukla – WA Health
Brett Major – Baxter
Peter Nolan – Sigma
Gary Lee – Sigma
Sharon Couper – Pfizer

| Andy Dalton – Ramsay Health Care |
| Karen Eadie – HealthShare NSW |
| Paul Davies – Queensland Health |
| James Grant – Queensland Health |
| Adelaide Terlich – Arrotex |
| Robert Webb – Cook Medical |
| Ryan Mavin – ACT Health |

GS1 Australia attendees		
Cath Koetz	Justin Middleton	Ramesh Rayer
Mark Blitenthall	Mike Lee	Murray Robb
Andrew Brown	Keith Lai	Deborah Prince
Nigel Fuller	Emma Morison	Marcel Sieirra

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