

The Future is
E-Health

Healthcare Supply Chain Initiatives, including Australia's Location Registry

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National E-Health Transition Authority

www.nehta.gov.au



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Who is NEHTA ?

National E-Health Transition Authority:

- Established in 2005
- Board consists of all nine jurisdiction health CEOs and an independent member
- National eHealth focus including Supply Chain reform

NEHTA's Purpose

Lead the uptake of e-health systems of national significance; and coordinate the progression and accelerate the adoption of e-health by delivering urgently needed integration infrastructure and standards for health information.

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Supply Chain Reform

Recognition of:

- Replication of effort
- No standards
- Costs to all parties
- Established standards in other industries

Supply Chain Reform

Identified three areas of focus:

- A single Product Catalogue;
- A standardised e-Procurement Solution; and
- Business Intelligence Tools.

The National Product Catalogue

Our data synchronisation solution is the National Product Catalogue (NPC).

- Established by NEHTA in March 2006
- Healthcare branding of GS1 Australia's GS1net
- Using GTINs as standard identifier, with standard data set and GDSN compliant
- For all healthcare items – medicines, devices and consumables
- Suppliers populate data once and publish to many

Uptake of NPC

National Product Catalogue

- Over **110,000** items, **250+** suppliers
- All **jurisdictions** using data
- Clean, standardised data in all systems
- All major **wholesalers** signed up
- Most large **pharma** companies have populated
- Large **medical devices** companies either populated or getting data organised

Private Sector

- Ramsay Health Care
- Cabrini Hospital
- National Pharmacies
- Accurate reference of Prosthesis Rebate Code for billing benefits



Clinical Outcomes

- Clinical Terminologies – Australian Medicines Terminology (AMT)
- Product tracking and recall
- Bedside scanning (incl. batch, exp., serialisation, etc) => patient record
- TGA approval process on pharmaceuticals



Developing eProcurement Capability in the Healthcare sector



Then

- Limited activity
- Lack of standards
- Lack of guidance

Now

- Specifications
- Standardised processes
- Centralised support model

NPC and the NEHTA eProcurement Solution

- Based on Australian Standards
- GS1XML message format
- Four standard messages defined – PO, POR, Dispatch Advice/ASN, INV
- Message content to include GTINs and GLNs
- Message Implementation Guidelines (MIGs) developed for buyers
- NPC data needed at both ends for product information behind GTINs

NPC and the NEHTA eProcurement Solution

eProcurement implementation successes so far...



NEHTA XML
messaging
standards



WA Health live
NSW Health live
SA Health pilot
ACT Health



Baxter
BBraun



Other
Jurisdictions
and Suppliers WIP

NPC and Tendering

Using Browser Template for product data:

- Suppliers can then easily load the NPC
- NPC Ready suppliers can download their data into this format
- Standardises data format and content
- All items have GTINs
- Provides data required when procurement begins
- NPC population required prior to contract

NPC and Tendering



Reasons

- Reliability of data, tender evaluation and ongoing contract management
- Reduction in the amount of effort required by tenderers
- Further use of the National Product Catalogue

What is GS1Locatnet?

The first electronic location directory connecting Healthcare providers, suppliers and other supply chain stakeholders across Australia

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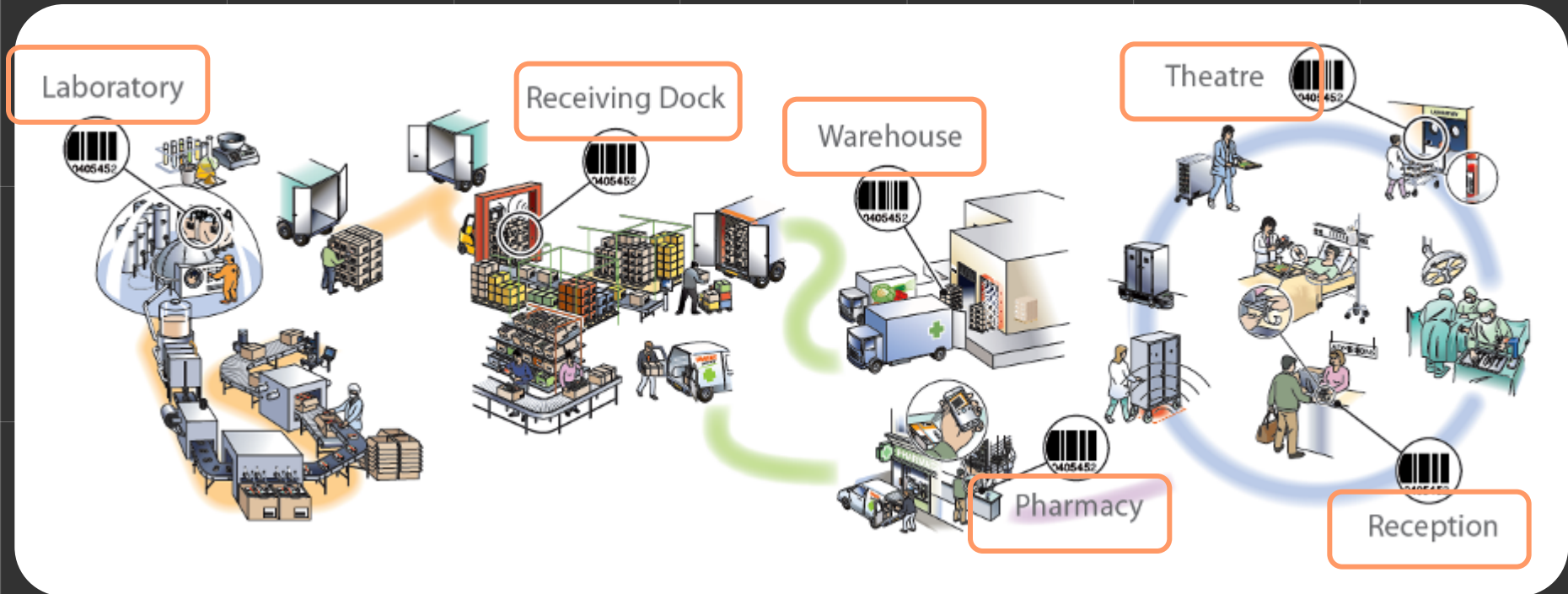
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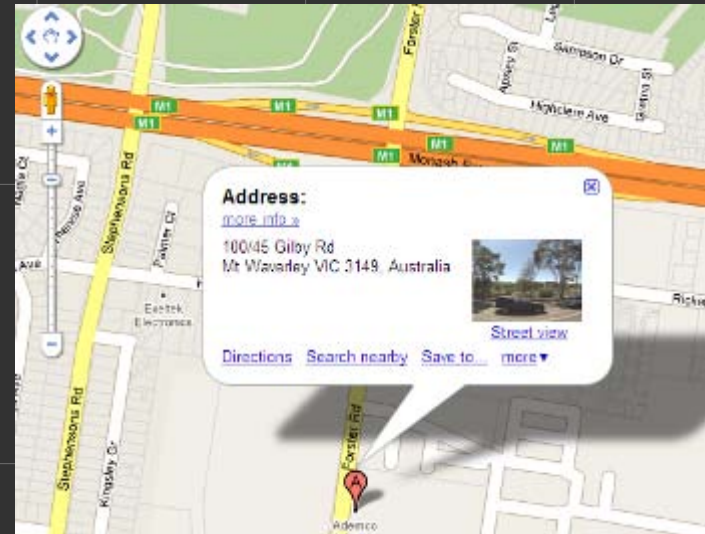
There are many locations in our healthcare supply chain....



There is a lot of data associated with these locations we need to manage

For example:

- Location name
- Physical Address
- Healthcare location type
- Hierarchy Information
- Contact details
- Details of change to location data
- Is the location active or inactive?
- Functions (i.e. ship-to, bill-to, etc)



Current manual processes for exchanging this data can lead to



- **Inaccurate transactions** such as purchase orders, invoices and other electronic transactions
- Errors in **pricing information** on the National Product Catalogue
- Errors and **additional costs** in deliveries of Healthcare products
- **Stock-outs and longer lead times** of key medications and medical products
- Difficulties in **tracking and tracing** products
- **Greater time** to complete product recalls
- Impacting efficiency and in some cases, **patient safety**

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GS1 Locatenet is designed to

- Be a **single source** for all relevant GLN data to the Healthcare sector
- **Validate** GLN data and ensure accuracy
- Automatically **alert subscribers** to changes made to GLN data by their trading partners
- Transfer the **ownership** and responsibility for GLN data management to the owner/user
- Provide the **foundations** for greater GLN utilization in e-Health



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NEHTA's role in developing GS1Locatenet for Healthcare

Up until GS1Locatenet, information on **Global Location Numbers (GLNs)** for each jurisdiction was held in **spreadsheets with no central repository** of supplier GLNs, address etc

- The **growing uptake of NPC and NEHTA's eProcurement solution** => need for GLN data to be more accessible.
- There was a need for a new piece of eHealth infrastructure **GS1Locatenet – a tool to better manage location data**
- **Joint partnership** arrangement with GS1 Australia
- GS1Locatenet is one of the **first and the most advanced solution of its type in the world** - the first to be developed for Healthcare

National Product Catalogue and GS1Locatenet



National Product Catalogue uses GLNs

- To identify who has published healthcare product data;
- To identify who the prices apply to (e.g. a hospital, an area health service, or a state); and

GS1Locatenet enables both suppliers and purchasers to maintain this information on a single central repository.

eProcurement and GS1Locatenet



NEHTA's eProcurement Solution uses GLNs

- To identify who the order is sent from;
- To identify who the order is sent to;
- To identify ship to location; and
- To identify charge to/invoicing location.

The importance of GLNs to Healthcare in Australia



Healthcare in Australia will also rely on GLNs to enable:

- Following products through the supply chain for Product Traceability.
- Identifying products and locations for Product Recall.
- The combination of the GTIN & GLN to reduce costs and effort for all parties in the healthcare supply chain.

Questions?