



National Product Catalogue

HUG – Orlando FL 6th June 2007

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National e-Health Transition Authority

Manager Supply Chain

The global language of business

www.gs1.org

The Australian Journey



Who is NEHTA?

A new entity created jointly by the Governments of Australia and all states and territories

- Established as a company limited by guarantee
- Australian governments are members of the company
- Board consisting of all nine jurisdiction health CEOs
- Established and funded for three years

The new company established to

- Provide the critical standards and infrastructure required to support connectivity and interoperability of electronic health information systems across Australia

NEHTA's reason for being

The Business Case:

- Frustration about the lack of progress in e-health
- Inadequate coordination – unconnected initiatives
- Missing pieces of infrastructure – develop once nationally
- Limited resources to develop specifications and infrastructure needed to facilitate
 - Reduced delivery cost
 - Improved decision-making
 - Reduced jurisdiction implementation costs

NEHTA's work program

The overall work program involves the following initiatives:

- Interoperability Framework
- Health Record Design
- Clinical Terminologies
- Medicines Terminology
- Secure Messaging
- Clinical Information
- Healthcare Provider Identifier
- User Authentication
- Individual Healthcare Identifier
- eHealth Consent
- Standards Implementation
- **Supply Chain**
- Benefits Realisation

Better procurement practices in health care

Lack of a national electronic open standard:

- Replication of systems and processes
- Additional costs at each stage of the supply chain
- Data not being transferred into information and/or knowledge
- Non-transparency

Establishment of a standard to:

- Support formal collection and transmission of data
- Reduce the number of systems needed to transact business
- Improve the support of clinical practice e.g. patient safety

NEHTA – Supply Chain

The supply chain initiative is made up of three projects endorsed by the NEHTA Board:

- A **national product catalogue** across all procurement areas
- An **e-procurement hub** to facilitate relevant data transfer
- **Business intelligence tools** to further enhance analysis and reporting

National Product Catalogue Drivers

Australian public healthcare supply chain landscape:

- Multiple catalogues maintained in isolation
- No uniform numbering protocols or naming conventions describing products
- Some have decentralised supply and pharmacy departments (silo effect)
- Lack of discipline and protocols in maintaining their own systems
- No centralised management of data and no facility for analysis of aggregate expenditure of items across the jurisdiction
- Multiple staff maintaining data with little or no documented guidelines
- Systems with incomplete data fields which are normally required to ensure systems based procurement can occur
- Failure to update data sets

National Product Catalogue

In December 2005 the NEHTA Board endorsed the NPC as the source of procurement data for pharmaceuticals, medical devices and other items purchased by public health institutions

The NPC would be the central repository of uniquely identified procurement data according to established internationally accepted standards

- To be hosted by GS1 Australia on EANnet using **GTINs as the unique product identifier** and standardise information for products procured by the health sector
- To enable suppliers to maintain a **single suit of standards** for all health jurisdictions; and
- To provide a cost effective way of maintaining current and accurate supply information, realising potentially **significant savings** for jurisdictions and suppliers.

Downstream benefits

- Clean data in all systems
- eProcurement
 - Reduced errors
 - Reliable transfer of information e.g. no fax left on the counter
- Logistics
 - Warehouse management
 - Stock level control
 - RFID/Bar coding
 - Shipping
- Purchasing
 - Contracts
 - Spend analysis
 - Stock level control – safety stocks
- A myriad of improved patient outcomes

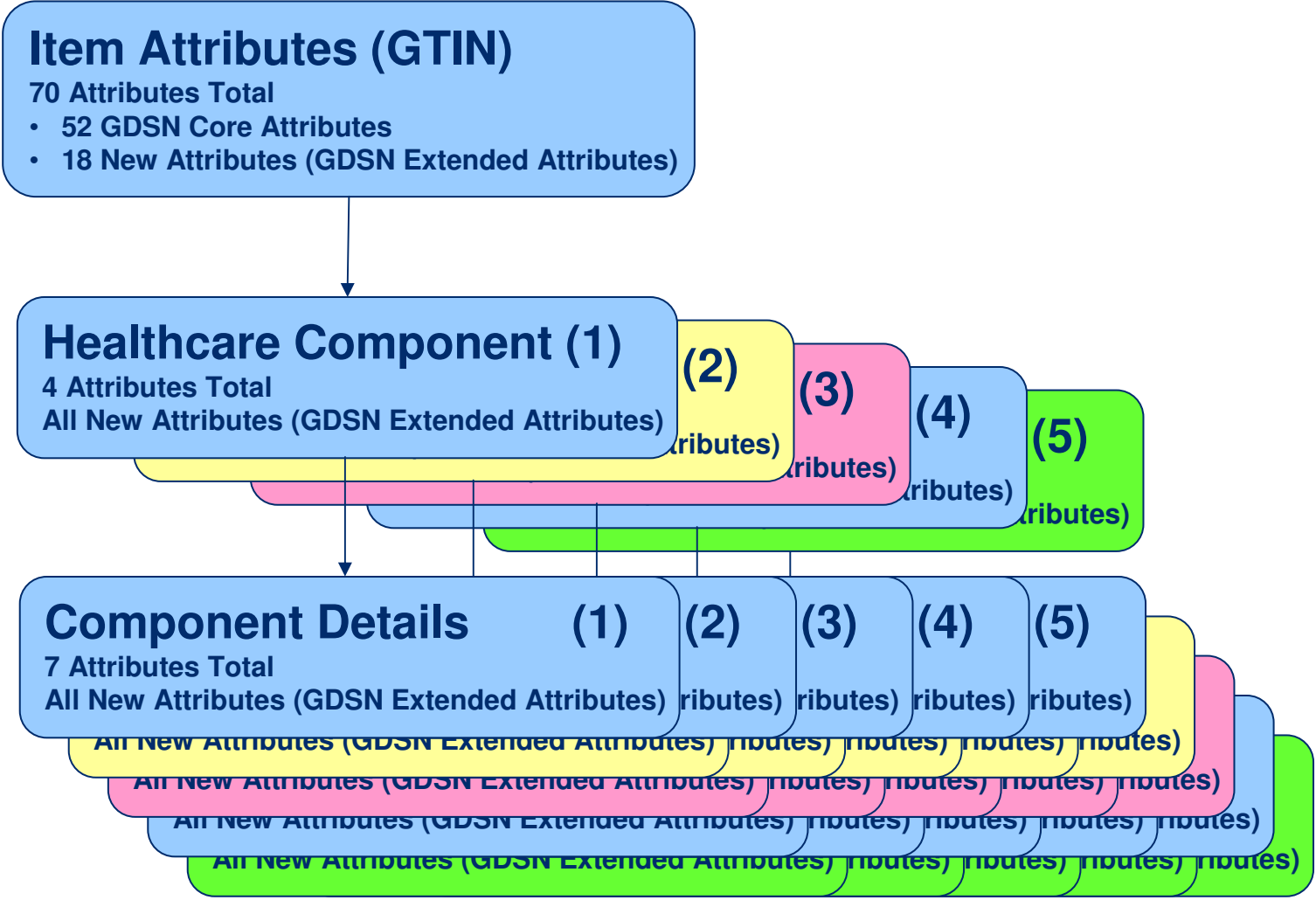
Australian Catalogue of Medicines (ACOM)

- All prescription, non-prescription and complementary health care medicinal products available in Australia
- Built on the side of EANnet
- Now moving to NPC in GS1net
- Will leverage GDSN capabilities
- Requirements implemented as GDSN Extended Attributes
- NEHTA fully supports HUG's efforts in developing a GDSN extension for healthcare – the provisions are already in place that would enable NEHTA to leverage this extension

NPC - Data Requirements

- In summary, data requirements cover
 - Item Data
 - Supply chain data
 - Regulatory Data
 - Healthcare Data – previously ACOM
 - Pricing Data
- Requirements met through:
 - GDSN Core Attributes
 - Extended Attributes

NPC - Data Requirements





Healthcare

Data Attributes

GDSN Core Attribute

GTIN
GTIN Description
Functional Name
GTIN Extended Description
Product Group Code
Product Group Description
Product ID Description Short
Brand
Sub Brand
Variant
sizeCodeListAgency
sizeCodeValue
Extended Size Description
colourCodeListAgency
colourCodeValue
Extended Colour Description
UNSPSC V8.1201
UNSPSC Description
UNSPSC Classification Agency Name
Global Product Classification Code
Trade Item Unit Descriptor
Is Item a Consumer Unit?
Is Item a Despatch Unit?
Is Trade Item an Orderable Unit?
Is Trade Item an Invoice Unit?
Is Trade Item a Base Unit?

GDSN Core Attribute

Is Trade Item a Variable Unit?
Is Packaging Marked as Returnable?
Next Lower Level GTIN
Quantity of Next Lower Level GTINs
Unit Net Contents
Unit Net Contents Unit of Measure
Lead Time
Ordering Lead Time unit of measure
Minimum Order Quantity
Product Depth
Product Depth unit of measure
Product Height
Product Height unit of measure
Product Width
Product Width unit of measure
Product Gross Weight
Product Gross Weight unit of measure
Selling unit of measure
Effective Date
Publication Date
Start Availability
First Order Date
Additional Trade Item Identification Type
Vendor Internal Reference
End Availability Date
EAN.UCC Type

GDSN Extended Attribute

Is Trade Item a Healthcare Item?
GTIN of Base Unit
Number of Base Units
Manufacturer Reference
Manufacturer Name
Units per Package
Public Release Date
Final Batch Expiry Date
TGA Sponsor
TGA Type
ARTG ID
Trans Tasman ID
Label Name
Schedule Code
PBS or RPBS
HIBC
GMDN
TGA Risk Classification

Data Attributes (continued)

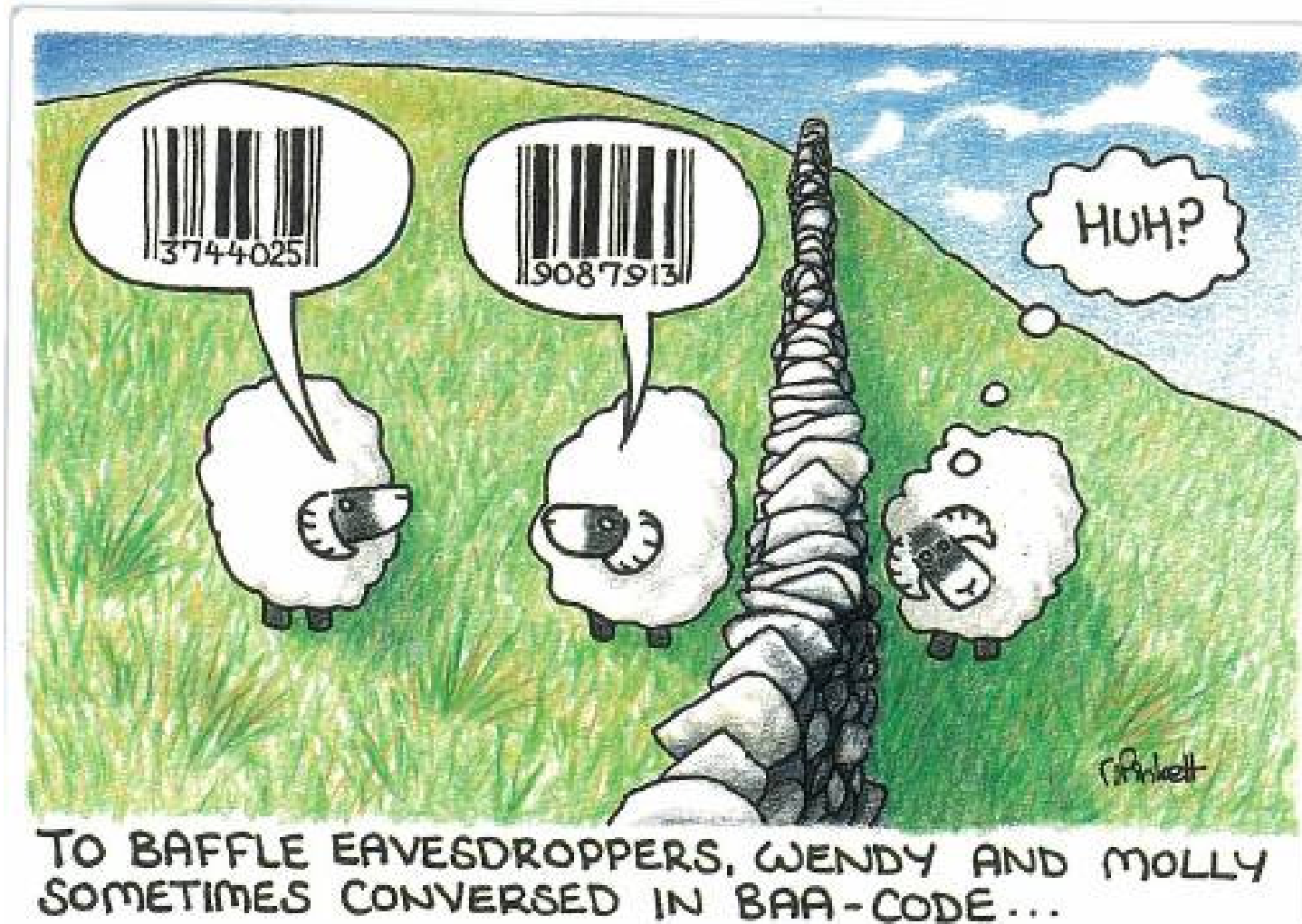
Component Attributes (GDSN Extended Attributes)

Healthcare Component Type
Medicine Container Type Code
Device Type Code
No. of Identical Medicine Containers or Devices

Component Details (GDSN Extended Attributes)

Medicine/Device unit name
Unit of Use GTIN
Medication Form Code
Proprietary medication dose form
Countable items
Volume/Weight amount
Volume/Weight unit

The Case for Global Standards....



Q&A

