National Product Catalogue

HUG – Orlando FL 6th June 2007
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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
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
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
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
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
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
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
Item Attributes (GTIN)
70 Attributes Total
• 52 GDSN Core Attributes
• 18 New Attributes (GDSN Extended Attributes)

Healthcare Component (1)
4 Attributes Total
All New Attributes (GDSN Extended Attributes)

Component Details
7 Attributes Total
All New Attributes (GDSN Extended Attributes)
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
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

Component Attributes (GDSN Extended Attributes)
- Healthcare Component Type
- Medicine Container Type Code
- Device Type Code
- No. of Identical Medicine Containers or Devices
The Case for Global Standards....