NeHTA
National e-Health Transition Authority

• Established and funded by all Australian Health jurisdictions

• Governed by a Board comprised of the CEO/DG from each health jurisdiction

• Mission – to set the standards, specifications and infrastructure requirements for secure, interoperable electronic health information systems.
NEHTA eProcurement solution

- Standards based
  - Australian Standard 5023, Health Supply Chain Messaging
  - GS1 XML
- Supply Chain messages:
  - Multi Shipment Purchase Order
  - Purchase Order Response
  - Advanced Shipping Notice (or Despatch Advice)
  - Invoice
National Product Catalogue

- Established by NEHTA in 2006
- GS1net is a GDSN compliant data pool
- NPC is a Healthcare specific subset of GS1net.
- For all items used in health care – medicines, devices, consumables
- Uses Global Trade Item Number (GTIN) as identifier
- Uses standard data set
- Suppliers populate data once and publish to many
The National Product Catalogue (NPC)
Health Corporate Network - Shared Service

• Health Corporate Network provides:
  • Reporting and Business Systems,
  • Human Resources,
  • Finance,
  • Supply services

Paperless work environment:
• i-Procurement requisitioning
• Objective work flow and records
• Electronic forms
• Online HR system
Business Drivers for e-Procurement

- Creation of a shared service coincided with a 30% increase in purchasing and payment transactions.
- Difficulty attracting and retaining skilled purchasing and accounts payable staff.
- Best practice – reduction in transaction costs; focus on value added services; pay on time.
- Reduction in supply chain costs, ordering errors, product recalls.
- Commitment to NEHTA e-Health projects.
System statistics

- 24,000 approved products – pick and buy
- 5,000 (approx) contracted inventory lines
- 60,000 (approx) purchase order lines per month – approx 20,000 sourced from managed procurement data
- 45,000 (approx) invoices per month
Proof of Concept

Objectives

• Implement an outbound XML purchase order
• Receive an inbound XML invoice
• Establish communications as per the NEHTA standard
HCN Data Flow Model

- Central data management.
- Data synchronised with suppliers.
- System to system transactions.
# Purchase Order

**Department of Health**  
**Government of Western Australia**

**Supplier:** ANSELL INTERNATIONAL  
Victoria Gardens  
Level 3/678 Victoria Street  
RICHMOND, VIC 3121  
Australia  
GLN: 9377775073995

**Ship To:**  
ROYAL PERTH HOSPITAL  
SUPPLY DEPARTMENT WAREHOUSE  
MOORE STREET  
PERTH, Western Australia 6000  
Australia  
GLN: 933771900253

**Bill To:**  
***Please Note***  
Invoices are to be sent to the SHIP TO address as displayed on this Purchase Order

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**Note to Supplier:**  
PLEASE ADVISE OF ANY PRICE/DELIVERY ISSUES - melissa.hutton@health.wa.gov.au

<table>
<thead>
<tr>
<th>Line</th>
<th>Part Number / Description</th>
<th>Delivery Date/Time</th>
<th>Quantity</th>
<th>UOM</th>
<th>Unit Price GST Exclusive</th>
<th>Extension GST Exclusive</th>
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<tbody>
<tr>
<td>1</td>
<td>Supplier Item: 4574 Glove, Examining/Treatment, Ambidextrous; Latex, Textured GR; Powder Free, Medium; 24cm Cuff; Single; Non-Sterile</td>
<td>27-JUL-2007</td>
<td>50</td>
<td>Crtn 10</td>
<td>42.70</td>
<td>2562.00</td>
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</table>

**Total:** $2562.00 (AUD)

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**Contract Number:** HCNS 415606  
**Contract Ref:**  
**GTIN:** 39310201045741

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**Government of Western Australia**  
**Department of Health**
Automated Purchasing

- Approved products catalogued and inventory centrally maintained in Oracle core (blankets)
- Catalogue uploads from Oracle core into i-procurement at least daily
- End users search on approved product list

Oracle

- Lines consolidated into PO’s based on “ship to” and supplier
- Purchase requisition approval is workflowed

Min/Max runs against inventory daily to create purchase requisitions

PO’s transmitted electronically to supplier system using NEHTA standards

- PO’s faxed to supplier

Suppliers

Approved requisitions
Current Status

- Purchase Order (GS1 XML standard)
- Purchase Order Response (GS1 XML standard)
- Invoice (GS1 XML standard)
- Ongoing liaison with our top suppliers
- Centralised statewide purchasing and data management
**Procurement - Order Response Line Status**

<table>
<thead>
<tr>
<th>Line</th>
<th>Ship Type</th>
<th>GTIN</th>
<th>Price</th>
<th>Qty Delivery Item</th>
<th>VendorCode</th>
<th>Description</th>
<th>UOM</th>
<th>ShipTo</th>
<th>LineItemChangeIndicator</th>
<th>Reason Code</th>
<th>Additional</th>
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</table>
| 1    | DELIVER   | 1931096010004 | 173.61| 10 (CT) 2010      | 8134H HVL260 | CUP, DENTURE, PLASTIC, PRINTED "DENTURES" (D0031009) | Ctn | RPH WAREHOUSE | MODIFIED              | PRODUCT_OUT_OF_STOCK    | BACKORDER: 
        |          |              |       |       |            |                |        |                      |                        | BACKORDER Qty: 10.0     | Date: 
        |          |              |       |       |            |                |        |                      |                        | Date:                   |
| 1    | BACKORDER | 1931096010004 | 173.61| 10 (18-SEP-2010)  | 8134H HVL260 | CUP, DENTURE, PLASTIC, PRINTED "DENTURES" (D0031009) | Ctn | RPH WAREHOUSE | MODIFIED              | PRODUCT_OUT_OF_STOCK    | BACKORDER: 
        |          |              |       |       |            |                |        |                      |                        | BACKORDER Qty: 10.0     | Date: 
        |          |              |       |       |            |                |        |                      |                        | Date:                   |

**Action History**

<table>
<thead>
<tr>
<th>Sequence Num</th>
<th>Action</th>
<th>Action Date</th>
<th>Comments</th>
<th>User Name</th>
<th>Employee Name</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>CLOSED</td>
<td>05-Oct-2010</td>
<td>09:09:54</td>
<td>HE08201</td>
<td>Melbourne, Mr. David Gerard</td>
</tr>
<tr>
<td>1</td>
<td>REVIEW</td>
<td>22-Sep-2010</td>
<td>08:17:36</td>
<td>EPELIMPORT</td>
<td>EPELIMPORT, interface Import</td>
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[Return to Order Response Search]
A Federated Marketplace

Buyers

WA Health Internal Hub

Pacific Health Exchange

Hubs

Mincom

4SE

GXS

EDIS

Leadtec

Inovis

Buyer
Supplier
Hub Provider
Internal Hub

1 connection to internal system

4SE

Mincom

GXS

EDIS

Leadtec

Inovis
eProcurement Issues

• NPC data
  • Difficulty obtaining GTIN’s
  • Lack of understanding of Trade_Item_Hierarchy
• Only for managed inventory items
• Supplier take-up
eProcurement Benefits

- Accurate product identification using GTIN
- Purchase Order Response enables prompt resolution of discrepancies.
- Reduced intervention by Accounts Payable staff.
- Invoice payment is expedited
Future Implementation

• Advanced Shipping Notice (also known as Despatch Advice)
• Investigating ways of including non-inventory lines into the B2B process
• Developing a workflow process for the NPC notification messages to update our ERP
System driven procurement and payment