An overview of NEHTA's work - encompassing supply chain reform.

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Today

1. The latest news from The National E-Health Transition Authority (NEHTA)

2. Supply Chain reform

3. Personally Controlled Electronic Health Record

NEHTA's purpose

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

Personally Controlled Electronic Health Record	Clinical Information	Individual Information	Shared Information	[Others]
E-Health Services	Shared Health Profile	Events Summaries	Self Managed Care	Complex Care Management
E-Health Solutions	ePathology	eDischarge	eReferral	eMedications
National Infrastructure Components	Terminology	Secure Messaging	Identifiers	Authentication

Update – national foundations

NEHTA has made significant progress in designing, operationalising and enhancing the essential foundations required to enable eHealth:

o   Built and implemented the HI Service.

o   More than 2 million IHIs downloaded into clinical systems.

o   Built and implemented the National Clinical Terminology and Information Service.

o   National Product Catalogue nowused by NSW, WA, SA, VIC, QLD and the ACT.

o   VIC has begun limited AMT rollout.

o   NASH currently being built.

Update – Solutions and standards

NEHTA has co-ordinated the progression of priority eHealth initiatives:

o   Secure Messaging

o   e-Discharge Summary

o   e-Referral

o   e-Specialist letters

o   e-Prescriptions (ETP)

o   e-Pathology

Supply chain reform - why

Current state:

o Lack of standardised product identification

o Lack of standardised location identification

o Multiple product data catalogues being maintained per hospital, per hospital network and per state

o Poor supply chain costs the healthcare system:

• Wrong product ordered/delivered
• Wrong quantity/poor forecasting and inventory management
• Reduction of redundant purchasing tasks, inefficient work practices and greater accuracy through automation

eHealth Supply Chain Reform

A seventy year old woman goes to hospital for a hip replacement.

The wrong prosthesis turns up.

The surgery is delayed.

- o **Cost to patient**
  - pain
  - increased iatrogenesis
  - Stress
  - time
  - financial

- o **Cost to healthcare system**
  - theatre
  - staff
  - bed
  - medications
  - other patients

eHealth Supply Chain Reform

Delivers accurate product identification:
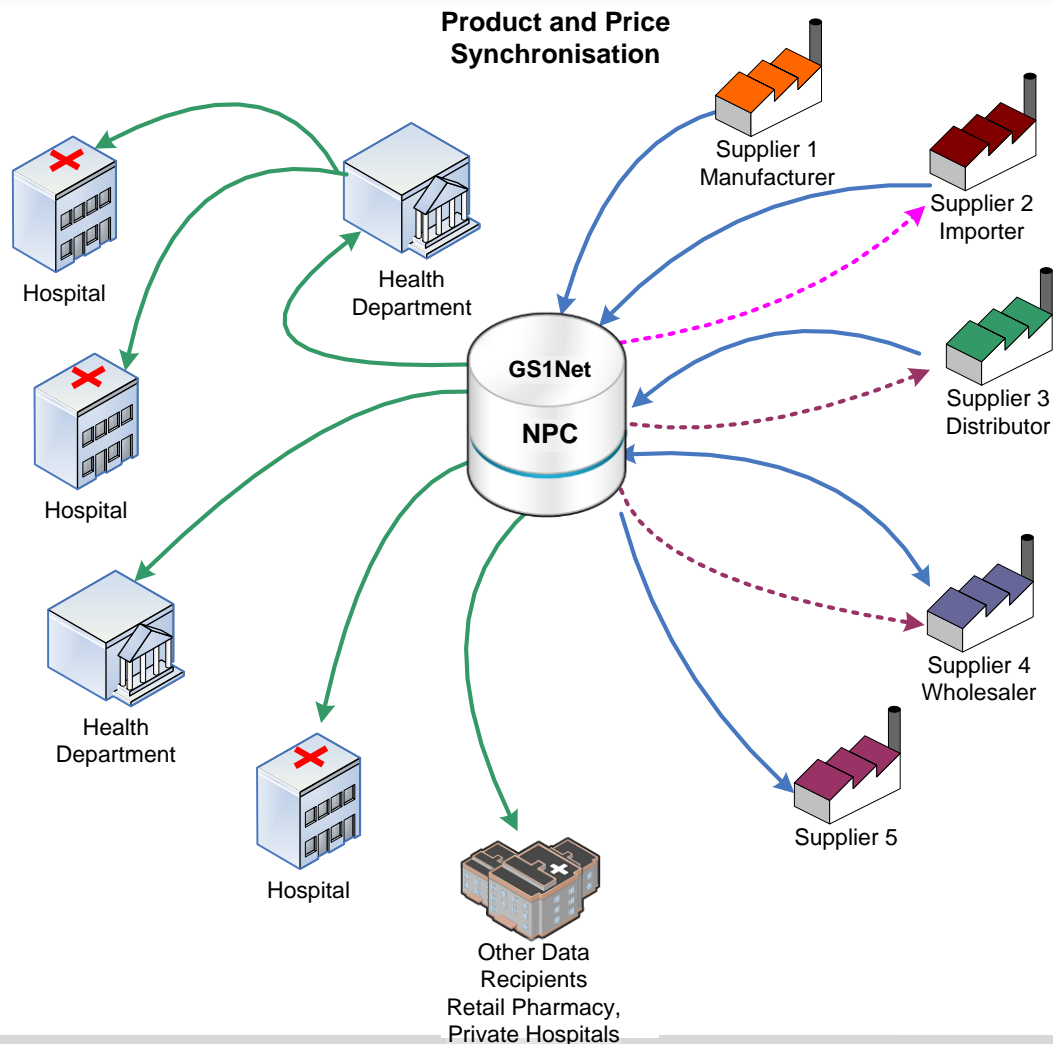
☑ The right products, at

☑ The right price, for

☑ The right person, in

☑ The right location, at

☑ The right time

eHealth Supply Chain Reform

The NEHTA Supply Chain program oversees development of specifications and core infrastructure enabling connectivity and interoperability between electronic procurement and supply systems.

o National Product Catalogue
o NEHTA eProcurement solution

The National Product Catalogue

o A way of suppliers providing standardised and accurate product and price data electronically.

o Provides suppliers with a single mechanism to communicate structured catalogue data.

o Enables synchronisation of product and pricing data.

o Aligned with the Global Data Synchronisation (GDSN) standards, and hosted on GS1 Australia's GS1net.

National Product Catalogue – Data synchronisation

Product and Price Synchronisation

GS1Net
NPC

Hospital
Hospital
Health Department
Health Department
Hospital
Other Data Recipients Retail Pharmacy, Private Hospitals

Supplier 1 Manufacturer
Supplier 2 Importer
Supplier 3 Distributor
Supplier 4 Wholesaler
Supplier 5

Product data is common to all - price data is customer specific

National Product Catalogue – Progress

National Product Catalogue

- **230,000+** items, **370+** suppliers
- All **jurisdictions** accessing data
- Clean, standardised data in all systems

Private Sector

- Private Hospitals
- Community Pharmacies / pharmacy software providers
- Accurate reference of Prosthesis Rebate Code for billing benefits

Clinical Outcomes Focus

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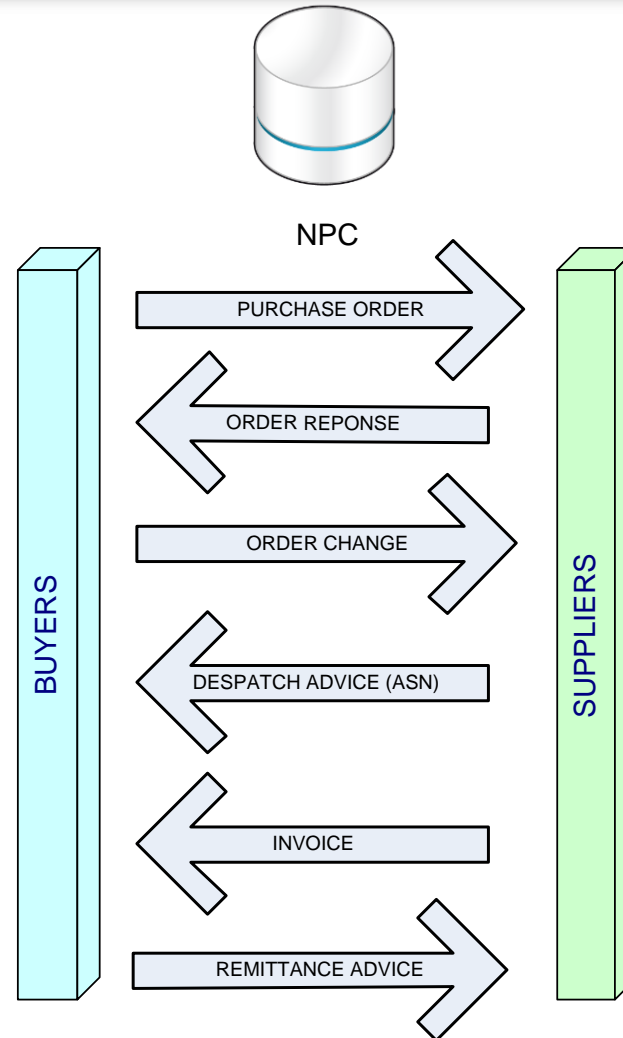- TGA approval of pharmaceuticals

NEHTA anticipates that full implementation of the NPC will save the public healthcare sector up to $AU200 million per annum by ensuring accurate, valid and up-to-date product data, and improved communications and supply chain operations *(Deloittes, 2004. Recommendations for National IM & ICT Enablers in the Health Sector Supply Chain report).*

eProcurement solution

eProcurement

The NPC uses GS1's standard identifier, the Global Trade Item Number (GTIN), as the globally unique primary product identifier for every NPC record.

NPC

BUYERS

SUPPLIERS

PURCHASE ORDER

ORDER REPONSE

ORDER CHANGE

DESPATCH ADVICE (ASN)

INVOICE

REMITTANCE ADVICE

Supply Chain – The road ahead

1. Continue to provide a single NPC for the procurement of medicines, medical devices and healthcare products

2. Accelerate organisations' eProcurement readiness to trade electronically, utilising data loaded onto the NPC

3. Support business process improvement and standardised tender process for tender submission, utilising data loaded onto the NPC across organisations

4. Increase the evidence base in healthcare supply chain and develop industry-level KPI framework

5. Establish action plan for jurisdictions increased utilisation; and NPC data quality and synchronisation capability

6. Create an eProcurement flagship; and recognise healthcare supply chain industry excellence through best-practice awards

eHealth records: What you need to know?

o A national system of eHealth records has the potential to save money, make the health system more efficient and improve care for patients. That is why the Australian Government is investing in a national eHealth records system.

o 1 July is just the starting point for the eHealth records system, which will grow as more consumers and healthcare professionals become a part of it.

eHealth records will give healthcare professionals better access to patient information – patient medications, test results, allergies or past treatments – meaning better, safer and more efficient care for patients.

Why choose an eHealth record

nehta | eHealth

- **BETTER ACCESS TO ACCURATE INFORMATION** about patients, their medical history and treatment – no more solely relying on patients' memories

- **QUICK AND EFFICIENT SHARING OF PATIENT INFORMATION** between peers – for example, between a GP and a specialist

- **MORE TIME TREATING PATIENTS,** less time spent tracking down records and test results

- **ACCESS TO POTENTIALLY LIFE-SAVING PATIENT INFORMATION** in an emergency situation

- **FASTER ACCESS TO RELEVANT INFORMATION–** such as immunisation history – helping you make better clinical decisions and save time

- **TO HELP PATIENTS** better manage their health

- **IMPROVED CONNECTIVITY** – the more healthcare organisations that participate, the better connected the system will become and the better it will serve you and your patients

National E-Health Transition Authority
www.nehta.gov.au

How you can learn more

✓ Sign up for news and alerts
  www.yourhealth.gov.au/subscribe

✓ Request information materials e.g. brochures

✓ For further information visit www.yourhealth.gov.au

> A help desk – **1300 901 001** – is in operation from 9am-5pm Sydney time to assist you with any enquires you might have about an eHealth record.

Thank you and Questions