Healthcare Product Data Utility

The Path to Data Quality

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How We Get Data Now

- **Manufacturer**
  - Generates product data to sell and market products

- **GPO & Distributor**
  - Changes/creates/manipulates data to meet customer base / regional needs

- **User – Provider**
  - Creates internal data item masters/catalogs in order to identify products, request & fill patient needs

**Problem is ...**

- No consistent data standards throughout supply chain
- Inaccurate & bad data at all levels
- Customer pays the price for bad data - $$$$
Road to a Solution...

PDU Organizing Committee

DoD & Industry PDU Pilot Phase I

DoD & Industry GDSN Pilot

To Reach End Goal: Industry PDU
Organizing Committee established Feb 05
Outreach, Education, Marketing, Networking – expand participation
Draft RFI Developed
Working Groups
DoD Pilot PDU – Phase I

Manufacturers (23)

Distributors
GPO’s & Data Exchange (5)

- Proof of Principle for Industry
- Manufacturer as source of data
Active Federal Collaboration

Synchronizing the Federal Medical Supply Chain

- Working Group
  - Army, Navy, AF, DMLSS, DSCP, VA, JMAR, DMSB, ASD/HA, DLIS, HHS

- Partnership with FDA on UDI

- DoD / VA JIF Data Synchronization partnership
DoD Lessons Learned

• DoD’s UPN Initiative 1993  
  – Assignment of numbers without a process in place to certify and distribute does not work

• Cleaning and standardizing in-house data is not enough.  
  – Very expensive to constantly cleanse data – not the answer  
  – Adopt standards  
  – Adoption of an industry PDU is the way to achieve quality medical product data for the entire healthcare community

• Synchronizing and accessing data from central utility:  
  – Reduces bad data  
  – Reduces costs  
  – Increases operational efficiencies
Industry PDU...a Better Way

• Criteria
  – Unique product registry for validated basic information
  – Capable of transmitting Healthcare specific attributes
  – Governance mechanism to set standards and govern operability
  – Global reach and partnership

• Existing commercial solution GDSN
  – Eliminates major unknowns for transition to Industry PDU
  – Established systems network platform for sharing synchronized data used by major US industries, e.g. Wal-Mart, Lowe’s, etc
  – Facilitates implementation of RFID and potential use of GLNs
  – Many major healthcare mfrs already active participants in GDSN for retail
Data Synchronization: How Does It Work?
The Wal-Mart Approach Using GDSN

Network Built for Product Data

- **Data Privacy**
  - Suppliers only
  - publish what they
  - want recipients to see

- **Data Quality**
  - Automated product data validations occur at multiple levels within the process
  - Corrections are made only once, then all benefit from that correction

- **Ease of Use**
  - A single product entry can be published to an unlimited number of end users, distributors and retailers

- **Competition**
  - GDSN is unique in allowing competing data pools to work in the network together

- **Worldwide Scope**
  - Data pools around the world can communicate with each other
  - Native languages supported
**DoD GDSN Pilot Concept**

Suppliers
- A  SOLUTION PARTNERS*
- B  SELF IMPLEMENTATION
- C

Medical Data Pool

Other GDSN Data Pools
- A
- B
- C

GDSN

Exchanges

Distributor A

Distributor B

SOLUTION PARTNERS OR SELF IMPLEMENTATION

GPOs

GDSN as potential healthcare PDU solution
Healthcare GDSN Pilot Phase II A Execution & Participants

**Provider Data Receipt**
- Premier receives data via GDSN
- Distributes to Baptist into Lawson

**Manufacturer Loading**
- 10 items from Sage
- 11 items from BD
- *Documentation of Challenges and Lessons Learned*

**GDSN**
- Global Registry
- 1SYNC Data Pool

**On Boarding Partner (Ontuet)**

**GPO (Premier)**

**Hospital (Baptist / Lawson)**
What We Accomplished in GDSN Pilot Ph II A

- Systematically passed validated manufacturer item to trading partner business systems
- Identified data sources for mandatory GDSN fields in existing systems
- Identified top healthcare data fields desired by participants
- Mapped GDSN fields to existing participants’ system fields
- In the process of documenting resource, system, and process requirements to share data throughout supply chain

Goal: Test the Suitability of GDSN as a Potential Industry PDU
What We Learned so far...

Manufacturer:
- Have data, just not in one place – need an internal product data strategy
- Need for an Industry-wide product data strategy
- Global impact on decisions

GPO:
- Can consume GDSN data with minor changes to current system
- Minor enhancements required to deliver GDSN data using existing delivery system
- Well positioned to provide standards based integration approaches beyond current delivery mechanism

Software Provider:
- Internal business systems have many of the fields, technology and processes to get started with data synchronization
- Long term, they will need to be further adapted for new processes driven by the GDSN
- Processes exist for managing GDSN communications outside of ERP

Hospital:
- Can use data for spend analyses
- Project significant savings in reconciliation of GPO and distributor item files
What Do We Need to do Next?

- Grow pilot by increasing participants and scenarios
- Build on Lessons learned from earlier participants (Mfrs, GPOs, IDNs)
- Add Distributor needs/challenges to pilot test
- Collaborate on next best steps

Goal: Test the Suitability of GDSN as a Potential Industry PDU
Healthcare GDSN Pilot Phase II B Potential Participants

Goals:
- Add manufacturers and/or items
- Test with additional provider systems
- Add additional supply chain partners

Manufacturers (BD, Sage, & ??)

On Boarding Partner (Ontuet, etc)

GDSN

Global Registry

1SYNC Data Pool

On Boarding Partner (Ontuet, Fulltilt)

GPO / Distributor / GHX

Hospital (Baptist, University, Mayo)

MMIS System Lawson etc
Where Are We Going?

- Continue building Proof of Principle & Industry Collaboration
  - *Build upon GDSN test pilot participation as PDU venue*
  - Explore Industry solutions with PDU Organizing Committee
  - Work with standards organizations (CHeS, HSCSC, GS1 HUG) to promote global standards

End Point = Industry Solution / PDU