



# **Lawson Healthcare Webinar World Series**

**October 27, 2009 – November 10, 2009**

## Healthcare Webinar World Series: [www.lawson.com/hcwebinars](http://www.lawson.com/hcwebinars)

- ▶ **Tuesday, October 27**  
[The Basics of GS1 Data Standards in Healthcare](#) – 11 am CST
- ▶ **Thursday, October 29**  
[Golden Opportunity: Lawson and GS1 Data Standards](#) – 12 pm CST
- ▶ **Monday, November 2**  
[High Five for New Improved 9.0.1 Apps](#) – 10 am CST
- ▶ **Tuesday, November 3**  
[On Point with a Smart Supply Solution](#) – 10 am CST  
[Baylor Health Care System: Countdown to Mobile Supply Chain Success](#) – 1 pm CST
- ▶ **Wednesday, November 4**  
[Inner Peace with Managed Services](#) – 1 pm CST
- ▶ **Thursday, November 5**  
[Thomas Jefferson University Hospital: Feeling the Love with Lawson Workforce Management](#) – 10 am CST  
[Penn State Hershey Medical Center: Streamlined and Stronger](#) – 1 pm CST
- ▶ **Friday, November 6**  
[Accelerate the time to results with Lawson Learning Accelerator](#) – 10 am CST
- ▶ **Tuesday, November 10**  
[Step Up to Lawson System Foundation 9.0.1](#) – 10 am CST  
[Optimize Your Workforce with Lawson Talent Management](#) – 1 pm CST



# **Golden Opportunity: Lawson and GS1 Data Standards**

29 October 2009



## Today's Presenters

- ▶ Jean Sargent, CMRP, FAHRMM
  - Director Supply Chain, USC Health Sciences
  - AHRMM President 2007
  - GS1 Healthcare US Leadership Team
  
- ▶ Karen Wolfe
  - Mayo Clinic
  
- ▶ Keith Lohkamp
  - Product Strategist Supply Chain Management, Lawson Software
  - Keith.Lohkamp@us.lawson.com



## Importance of GS1

### ▶ **FDA Amendments Act of 2007:**

September 27, 2007, the FDA signed into law:

The Secretary shall promulgate regulations establishing a unique device identification system for medical devices requiring the label of devices to bear a unique identifier, unless the Secretary requires an alternative placement or provides an exception for a particular device or type of device. The unique identifier shall adequately identify the device through distribution and use, and may include information on the lot or serial number.

## FDA - UDI Can Improve...

- ▶ Medical device recalls
- ▶ Adverse event reporting and postmarket surveillance
- ▶ Tracking and tracing, supply chain security; and anti-counterfeiting/diversion
- ▶ Disaster/terror preparation and shortages/substitutions
- ▶ Systems to reduce medical errors
- ▶ Assisting clinicians in identifying appropriate device
- ▶ Documenting medical device use in patient's EHR/PHR, hospital information systems, claims data
- ▶ Sentinel Initiative - strengthening FDA's ability to query data systems for relevant device information

# Why Global Standards?



The package has:

- **6 machine readable codes (5 barcodes, 1 Data Matrix).**
- 17 flags (UK, Ireland, Malta, Netherlands, Belgium, Germany, Austria, France, Spain, Portugal, Greece, Cyprus, Norway, Sweden, Denmark, Iceland, Finland) (not Italy)
- 12 different language texts (English, French and German are used in more than one country).

<p><b>Pedea</b> 5 mg/ml</p> <p>4 2 ml</p> <p>ORPHAN EUROPE</p> <p>Immeuble « Le Wilson » F-92058 Paris La Défense</p> <p>EU/1/04/284/001</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>UK</p> <p>Product name: Pedea 5 mg/ml</p> <p>Manufacturer: Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>FR</p> <p>Produit générique de Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>DE</p> <p>Produktname: Pedea 5 mg/ml</p> <p>Hersteller: Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>IT</p> <p>Prodotto generico di Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>ES</p> <p>Producto genérico de Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>PT</p> <p>Produto genérico de Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>GR</p> <p>Γενικό προϊόν του Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>CY</p> <p>Γενικό προϊόν του Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>NO</p> <p>Generisk produkt av Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>SE</p> <p>Generiskt läkemedel av Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>DK</p> <p>Generisk produkt af Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>IS</p> <p>Generískt lyfjaflokkur af Pedea 5 mg/ml</p> <p>Orphan Europe</p>	<p><b>Pedea</b> 5 mg/ml</p> <p>FI</p> <p>Generinen Pedea 5 mg/ml</p> <p>Orphan Europe</p>
--	---	--	--	--	--	---	---	---	---	--	---	---	---



# Same Product – Different Numbers\*

Industry Distributor Numbers  
for 3M Product # 8630:

*Nearly every hospital has a different Product ID for 3M 8630! Makes ordering, recalls, and proper identification to the patient difficult.*

- ▶ Allegiance - M8630
- ▶ Owens & Minor- 4509008630
- ▶ BBMC-Colonial- 045098630
- ▶ BBMC-Durr - 081048
- ▶ Kreislers - MINN8630
- ▶ Midwest - TM-8630
- ▶ Pacific - 3/M8630
- ▶ UnitedUMS - 001880



\* Source: Department of Defense Data Synchronization Study

*Makes Sourcing of needed products difficult and increases errors in ordering and distribution to the patient.*

■ Part Number: 10313

refers to:

Medtronic's - "NEEDLE CARDIOPLEGIA ADULT 16GA 5/8IN TIP 10IN"

Hantover's - "CARTRIDGE REPLACEMENT STUNNER YELLOW F/CALVES/HEAVY HOGS"

Chattanooga Group's - "ACCESSORY TRACTION REPLACEMENT STRAP XL FOR HALTER THORACIC RESTRAINT"

HF Scientific's - "TEST KIT WATER FREE CHLORINE DPD 25ML SAMPLE PHOTOMETRIC 1000/PK"

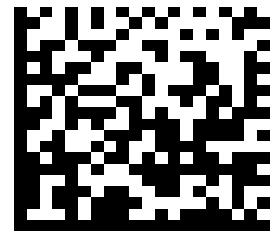
■ Part Number: 1050 refers to:

3M Company's - "DRAPE INCISE 35 3/8X 17 5/8IN"

Tyco's - "PAD TELFA 3 X 4IN STER"

\* Source: Premier Inc. Product Item Master

# GTIN: Healthcare Example



(01) 1022222333334 (17) 091231 (10) A1345B (21) 1234

GTIN (Global Trade Item Number)

Expiry Date

Lot Number

Serial Number



## 2012 GTIN Sunrise

### “Adoption of GTIN in Healthcare by 2012\*”

Global Trade Item Numbers (GTINs)\*\*

- GTINs are assigned to healthcare products
- GTINs are used in business transactions
- GTINs are marked on appropriate packaging levels
- GTINs are scanned at points-of-delivery to enhance clinical process
- GTINs are used in product returns and recalls
- GTINs are registered in a GS1 GDSN-certified Data Pool

*\*December 2012*

*\*\*Unique Product Identifiers*

## GS1 Member GLN

▶ **13-digit number**

▶ Components:

1 GS1 Company Prefix - Varies in length


2 Location Reference number

Assigned by the company

3. Check Digit

- *Can also be assigned randomly by GS1 US*
- *No intelligence*
- *Maintenance*

Combined  
length is always  
12 digits



# GLN Registry for Healthcare® Health System Example

The screenshot displays the 'Location Maintenance' interface of the GLN Registry for Healthcare. The browser title bar shows 'GLN Registry for Healthcare'. The main content area is titled 'Location Maintenance' and features four tabs: 'Search', 'Edit', 'New', and 'Audit'. Below the tabs is a tree view of healthcare locations, each with a small icon and a link to its details. The locations are listed as follows:

- GEISINGER HEALTH SYSTEM FOUNDATION (1100002569136)
  - GEISINGER CLINIC (1100002376260)
  - GEISINGER COMMUNITY HEALTH SERVICES (1100005054301)
  - GEISINGER HEALTH PLAN (1100003274978)
    - GEISINGER HEALTH PLAN MARKETING (1100003889097)
    - GEISINGER HEALTH PLAN MOOSIC (1100002656515)
    - GEISINGER HEALTH PLAN STATE COLLEGE (1100002345242)
    - GHP MARKETING AND SALES (1100005018693)
  - GEISINGER HEALTH SYSTEM ACCOUNTS PAYABLE (1100003779374)
- GEISINGER MEDICAL CENTER (1100004348319)
- GEISINGER MEDICAL MANAGEMENT CORPORATION (1100002504182)
- GEISINGER SOUTH WILKES BARRE (1100004854773)
- GEISINGER SYSTEM SERVICES (1100004963093)
- GEISINGER WYOMING VALLEY MEDICAL CENTER (1100005700116)
- Geisinger Health System Foundation Affiliates (1100005947894)
- MARWORTH (1100004689528)
  - MARWORTH TREATMENT CENTER (1100004738646)

At the bottom of the main content area, there are two tabs: 'Info' and 'Hierarchy'. On the left side of the interface, there is a vertical navigation menu with the following items: 'Locations', 'Users', 'Subscriptions', 'Notifications', 'Reports', 'Exports', 'Import', 'Location Settings', 'Add New GPO', 'Help', and 'Print Screen ->'. Below the menu, it shows the user is logged in as 'AS: UCC Super User' at '5/14/2009:14:39:51'. A 'Logout' button is located at the bottom of the left sidebar.



## 2010 GLN Sunrise

# “Adoption of GLN in Healthcare by 2010\*”

Global Location Numbers (GLNs)\*\*

- GLNs are assigned by location owners
- GLNs are used in appropriate business transactions and processes between trading partners
- GLN hierarchy is defined and maintained by location owners
- GLN Registry for Healthcare® is used to facilitate correct location identification

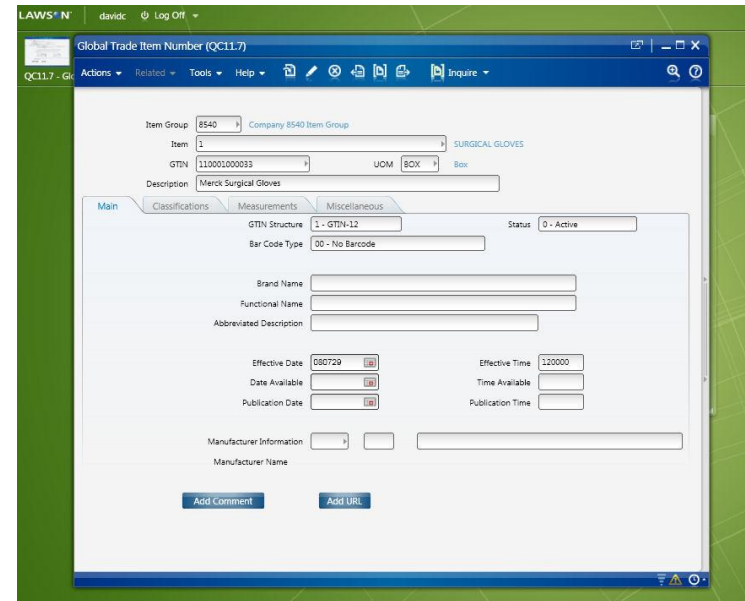
*\*December 2010*

*\*\*Unique Location Identifiers*

## GS1 Data Standards Approach

***Vision: To provide a complete solution – software, services, content, interfaces, and partnerships - for adopting and implementing healthcare data standards***

- ▶ Enhance current applications (9.0.1) to fully support GS1 Standards (GLN/GTIN) to meet GLN and GTIN Sunrise Dates as well as UDI mandates
- ▶ Goals
  - Search and Transact using GLN's/GTIN's
  - EDI includes GLN and GTIN
  - Scan GS1 barcodes
- ▶ Impacts
  - Financials (AP)
  - Procurement, Requisitions Self-Service
  - Mobile Supply Chain Management
  - Contract Management, Strategic Sourcing



- ▶ ***Benefits:*** Help healthcare supply chain move from custom account, item and product identifiers to standardized information, reducing errors, streamlining processes and enhancing patient safety.

# The Three G's of Standards

## GTIN -- Global Trade Item Number

- ▶ A globally unique 8, 12, 13, or 14-digit number that uniquely identifies products and services

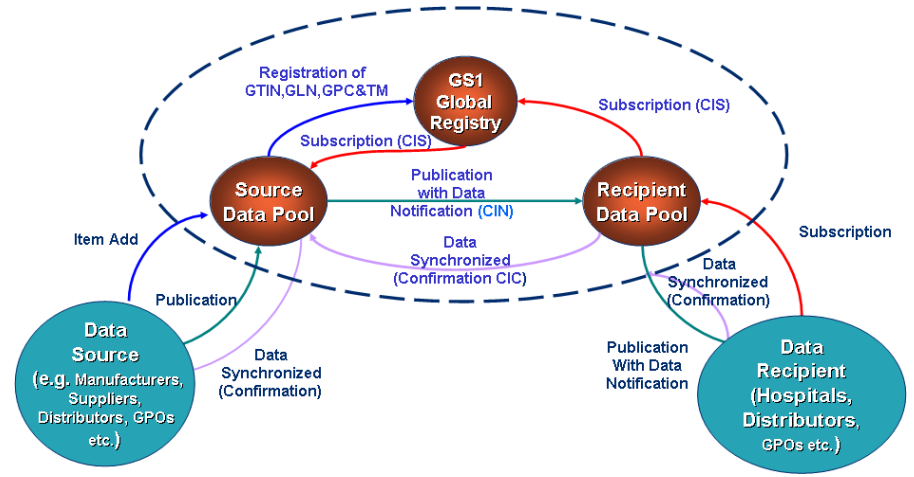


## GLN -- Global Location Number

- ▶ A globally unique 13-digit number that identifies physical locations, legal entities, and functional entities

## GDSN -- Global Data Synchronization Network

- ▶ The GDSN is used to share product information among trading partners.





## Why Implement Standards?

- ▶ Improved identification of products throughout the supply chain
- ▶ Facilitates more efficient electronic commerce, such as EDI
- ▶ Required for synchronization of data among trading partner
- ▶ Improved contracting and compliance through more accurate sourcing data
- ▶ Supports serialization and unique device identification
- ▶ Simplifies regulatory compliance, including managing recalls
- ▶ Improved patient safety through proper product identification

## Lawson's Involvement

- ▶ Since 2005, we've been involved in various standards initiatives and industry groups
  - Coalition for Healthcare eStandards
  - Healthcare Supply Chain Standards Coalition
  - Department of Defense GDSN Pilot
  
- ▶ Current involvement
  - GS1 Healthcare US
  - Strategic Marketplace Initiative
  
- ▶ Industry Education and Advocacy
  - Whitepaper published in January 2009 issue of Healthcare Purchasing News

**Getting Started with Standards-Based Operating Procedures for Optimal Enterprise-Wide Supply Chain Management Performance**

The goal of this white paper is to provide education on standards for location and product identification in the healthcare industry along with considerations for embarking on a standards integration project in your facility.

The U.S. healthcare industry now recognizes and acknowledges that the adoption of the product identification standards is one of the primary and most effective ways to solve many of the supply chain-wide challenges it experiences. Those challenges are caused by inaccurate data that directly contribute to higher costs and affect service level quality and efficiency, and can even compromise patient safety if critical resources are unavailable at the point of care, or if patient-specific identification errors occur.

Using data standards applied to patients, processes and products will enable healthcare facilities to accurately locate and identify what's needed as it is ordered, received, implemented and distributed within their facilities and throughout their organizations. The standards also enable the option to synchronize providers' item master databases with GS1, a worldwide organization that developed the global standards of unique product identification.

Data standards and synchronization processes have been successfully adopted and are in widespread use in many other industries worldwide. Proven benefits of supply chain standards include:

- Efficient traceability
- Improved order and invoice process
- Optimized receiving
- Accurate product identification and inventory levels
- Reduced data cleaning efforts
- Increased contract compliance with CPO distributors and the ability to monitor rebate levels
- Ability to better monitor product recalls and track expiration dates and product authentication
- Better data for customers throughout the facility to help with product selection decisions

According to a recent A.T. Kearney data synchronization paper, Procter and Gamble expects synchronization to save them a minimum of \$25 million a year by eliminating 50,000 to 50,000 hours per year in unnecessary transcription work, reducing stock-out incidence by 10%, and reducing the time required for new item introduction by 80% in the U.S. alone. An item synchronization pilot between Procter & Gamble and their customer H.E. Butt showed a 75% reduction in invoice deductions due to invoice pricing and product delivery discrepancies, 50% improvement in the number of accurate purchase orders received, 80% improvement in "speed to retail" for new items, price changes, and promotions, and 99.8% retail scanning accuracy achieved (versus 95% before the pilot).

Further driving standards adoption in the industry are changes to regulations. The FDA Amendments Act of 2007 that was signed into law on September 27, 2007, stipulates regulations establishing a unique device identification (UDI) system for medical devices requiring the label of devices to bear a specific identifier. This identifier should adequately identify the device through distribution and use, and may include information on the lot or serial number. The UDI would be applied at the "patient-use level" ("unit of use"); created and maintained by the manufacturer, constructed following GS1 or HIBC standards for device identification, and be human readable and encoded in a form of automatic identification technology. However the FDA did not mandate that a specific technology be identified.

Even so, the healthcare industry is embracing GS1 standards to be used for the unique identifier, with the official endorsement of GS1 standards by many leading healthcare associations, including the Association for Healthcare Resource & Materials Management (AHRMM) and the Coalition for Healthcare eStandards (CHES), which is now part of the Health Industry Group Purchasing Association (HIGPA), and a number of group purchasing organizations (GPOs). Consequently, it's a good time to evaluate your facilities' capabilities with your Materials Management Information System (MMIS) or Enterprise Resource Planning (ERP) system and the status of your current computing and software capabilities that will allow you to move forward in the adoption and ongoing implementation of these standards.

While the GS1 standard system is not new to most industries throughout the world, it's new to healthcare in the U.S. The FDA has not stipulated a firm timetable for healthcare facilities to be able to track these codes – but it will be in the next few years, according to a FDA spokesman.

**The terms you need to know!**  
The GS1 organization (formerly the Uniform Code Council or UCC) is the leading global standards organization in the healthcare industry, supporting the healthcare community through its GS1 Healthcare global initiative.

GS1 Healthcare is a voluntary, global user community that brings together all healthcare stakeholders, including: pharmaceutical and medical device manufacturers, wholesalers and distributors, group purchasing organizations, hospitals, pharmacies, logistics providers, governmental and regulatory bodies, and associations.

GS1 has defined the key terms in its standardization pathway as:

- GLN (Global Location Number) – the globally unique GS1 Identification Number for locations and supply chain partners. The 13-digit GLN can be used to identify a functional entity (like a hospital, pharmacy or accounting department), a physical entity (like a warehouse or hospital wing or even a nursing station), or a legal entity (like a health system corporation). The attributes defined for each GLN (e.g., name, address, class of trade, etc.) help users to ensure that each GLN is specific to one, very precise location within the world.
- GTIN – (Global Trade Item Number) – the globally unique GS1 Identification Number used to identify "trade items" (i.e., products and services that may be sold, delivered or invoiced at any point in the supply chain). The 14-digit GTINs are assigned by the brand owner of the product, and are used to identify products as they move through the global supply chain to the hospital or ultimate end user. The attributes defined for each GTIN (e.g., size, weight, package, etc.) help users to ensure that each GTIN is specific to one, very precise trading unit configuration (e.g., a blister of two aspirin tablets; a bottle of 100 aspirin tablets; etc.).
- GDSN – (Global Data Synchronization Network) – The GDSN is a network of interoperable data pools connected by the GS1 Global Registry. The GDSN uses the GS1 identification and data standards as the common language for supply chain information. Specifically, the GDSN uses the GLN for information about supply chain partners and/or locations, and the GTIN for information about products.
- UNSPSC – (United Nations Standard Products and Services Code) – A hierarchical set of product categories used by supply chain partners worldwide to classify their products and services. Use of the UNSPSC enhances company-wide visibility of spending analysis and promotes cost effective procurement.

Ultimately, implementation of GS1 standards promises to eliminate custom account

## Information Sites

**GS1** Where Standards Get Down to Business

Home About Education & Events Communities Solution Partners Press Room Glossary

Communities » Healthcare » Healthcare Provider Tool Kit

**Healthcare Provider Tool Kit**

How-To Guides to Help Improve Patient Safety and Supply Chain Efficiency with GS1 Standards

The GS1 System of global supply chain standards has delivered proven results in many industries for over 35 years. Now healthcare providers are adopting GS1 Standards to achieve the same results. The Healthcare Provider Tool Kit will show you what you need to know to get started today.\*

[Start Here! Read Me First](#)

[Global Location Number \(GLN\)](#)  
Standardized Location Identification

[Global Trade Item Number® \(GTIN®\)](#)  
Standardized Product Identification

[Global Data Synchronization Network® \(GDSN®\)](#)  
Standardized Product Definition

[United Nations Standard Products and Services Code® \(UNSPSC®\)](#)  
Products and Services Classification

[Additional Educational Offerings](#)

\*Based on existing GS1 Standards

**Acknowledgements**

GS1 Healthcare US thanks the workgroup members for their hard work and dedication in developing the first U.S. Healthcare Provider Tool Kit:

GS1 Healthcare US Workgroups:

- Product Identification
- Location Identification
- Global Data Synchronization Network Implementation

**AHRMM** Association for Healthcare Resource & Materials Management of the American Hospital Association  
Advancing the Healthcare Supply Chain

Healthcare Standards

Are You Ready?

What are data standards, and why are they important in the healthcare supply chain industry?

**Back by popular demand!** Review this fun video on data standards that premiered at the AHRMM conference. One cow has a GLN and GTIN and chooses the "standards route" on the journey to her final destination, and is handsomely rewarded for her wise decision. The other cow, not possessing the necessary qualifications to take the standards route, wanders from post to post and encounters many (painful) obstacles trying to get to her intended destination. Enjoy this spoof relating to the data standards movement underway in healthcare – [click here to view](#).

Information and data are more easily accessible than ever before, and the wide range used in today's healthcare industry needs to be assessed and screened for its relevance. This also holds true for the healthcare supply chain.

A current issue in healthcare is that all information is not easily accessible, due to differing standards or formats. The Efficient Healthcare Consumer Response study (1996) states that \$11 billion is wasted each year in the healthcare supply chain (estimates for that number have nearly doubled in the last ten years), largely due to the fact that data standards are either lacking entirely or they are not as widely used or well-developed as in other industries.

To help manage all of this information, standards groups have been formed to reduce healthcare costs by publishing standards and promoting their use throughout the entire healthcare supply chain.

AHRMM supports the use of GS1 standards to regulate operations between all trading partners in the healthcare supply chain. GS1 standards (GLN, GTIN, GDSN) are used by 90% of companies and organizations worldwide.

All healthcare providers are encouraged to read about the standards, access the case studies and pilot reports, and [join GS1 Healthcare US](#) by completing the GS1 Healthcare US membership application.

**News Items:**

[Premier Endorses GS1 Supply Chain Standards](#)

[Healthcare Provider Tool Kit](#)

[Healthcare Industry Sunrise Dates](#)

GLN GDSN GTIN UDI UNSPSC

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<http://www.gs1us.org/GS1HealthcareUS/tabid/162/Default.aspx>

[http://www.ahrmm.org/ahrmm\\_app/ext/standards/](http://www.ahrmm.org/ahrmm_app/ext/standards/)

## Objectives

- ▶ Enhance current application release to support GS1 Standards to meet GLN and GTIN Sunrise Dates of 2010 and 2012

## Current Capabilities with Lawson Applications 9.0.1.3\*

- ▶ Store, Search, Transact using GLN's / GTIN's, including via EDI
- ▶ Load, Store and Use GDSN attributes
- ▶ Option to configure individual trading partners for use of GS1 Standards
- ▶ Impacted applications include Financials (AP), Procurement (RQ, IC, PO), Requisitions Self-Service and EDI for SCM

- ▶ **Benefits:** *Help healthcare supply chain move from custom account, item and product identifiers to standardized information, reducing errors, streamlining processes and enhancing patient safety.*

\*Lawson Applications 9.0.1.3 available Nov. 2009

## What Can You Do Before You Get to 9.0.1.3?

- ▶ *GLN*
  - *Get your GLNs assigned*
  - *Communicate with your Trading Partners*
  - *Adopt the GLN in EDI*
  
- ▶ *GTIN*
  - *Communicate with your Trading Partners*

## Mayo Clinic Strategy

- ▶ Identify Goals
  - Who is Mayo Clinic – GLN
  - How to utilize GDSN
- ▶ How will GDSN work within Lawson
  - What transactions would need standard GDSN information
- ▶ Start with GLN Sunrise date 2010
  - Start with small, with EDI, and grow – Large \$ vendors to begin
  - Mayo Clinic/Cardinal Health GLN Implementation Feb 2009
    - ▶ <http://www.gs1us.org/Communities/GS1HealthcareUS/tabid/162/Default.aspx>
  - By end of 2010 +90% EDI utilizing GLN
- ▶ Holding GTIN until 2011/2012



## GLN within Lawson Applications 9.0.1.3

- ▶ Assigned to:
  - Requisition Locations
  - Ship To Locations
  - Company
  - Vendor
  - Vendor Purchase From
  - Manufacturer
- ▶ GLN Hierarchies tracked
- ▶ Displays in multiple locations
- ▶ Available in most transactions including PO and sent via EDI
- ▶ Option to use GLN or not

Gln Nbr	Description
<input type="checkbox"/> 1100000101010	Chase Manhattan Bank
<input type="checkbox"/> 1100000222222	Scalamandre
<input type="checkbox"/> 1100000332101	101A Loc for Kauffmann Fabrics
<input type="checkbox"/> 1100000332122	PO Vendor Kauffmann Fabrics
<input type="checkbox"/> 1100000332211	Kauffmann Fabrics, Inc.
<input type="checkbox"/> 1100000888888	NOK Vendor
<input type="checkbox"/> 1100002070175	Sparta Clinic
<input type="checkbox"/> 1100002179663	Mayo Clinic Scottsdale
<input type="checkbox"/> 1100002192631	Immanuel St Joseph's Mankato
<input type="checkbox"/> 1100002244781	Mayo Collaborative Services, Inc.
<input type="checkbox"/> 1100002249380	Lamberton Medical Clinic
<input type="checkbox"/> 1100002261054	Franciscan Skemp Healthcare -La Crosse Med Ct
<input type="checkbox"/> 1100002265915	Mayo Group Practices
<input type="checkbox"/> 1100002276034	Elder Care of Sparta, Inc.
<input type="checkbox"/> 1100002325473	St Luke's Hospital
<input type="checkbox"/> 1100002325473	St Luke's Hospital

List View - Global Location Numbers (IC58.1)

Actions ▾ Related ▾ Tools ▾ Help ▾ Choose Data View ▾

	Gln Nbr	Description
<input type="checkbox"/>	1100002265915	Mayo Group Practices
<input type="checkbox"/>	1100002276034	Elder Care of Sparta, Inc.
<input type="checkbox"/>	1100002325473	St Luke's Hospital
<input type="checkbox"/>	1100002348953	Gold Cross Ambulance Service Duluth
<input type="checkbox"/>	1100002356804	Mayo Foundation
<input type="checkbox"/>	1100002385385	Rochester Methodist Hospital
<input type="checkbox"/>	1100002592257	Women's Physicians of Jacksonville
<input type="checkbox"/>	1100002707293	Nursing Home - Sparta
<input type="checkbox"/>	1100002963729	Mayo Inventory Center
<input type="checkbox"/>	1100003341472	Morrison Cty Ambulance Service
<input type="checkbox"/>	1100003495229	Mayo Clinic Rochester
<input type="checkbox"/>	1100003754630	Mayo Center for Women's Health
<input type="checkbox"/>	1100004064691	North Scottsdale Family Med
<input type="checkbox"/>	1100004182272	Austin Medical Center-MayoHlth
<input type="checkbox"/>	1100004319029	Waseca Family Physicians
<input type="checkbox"/>	1100004322524	Austin Medical Center-MayoHlth

1 selected record 98 records

Global Location Numbers (IC58.1)

Item Group:       Gln Nbr:

Description:

Parent:

Parent Desc: [Mayo Clinic Rochester](#)

Status:

Type:       Assigned To: 0012 STJOE

Global Location Nbr Assignment IC Location (IC64.2)

IC Company	IC Location
<input type="text" value="12"/>	<input type="text" value="STJOE"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

## GLN Display

Location (IC02.1)

Company: 12 MAYO CLINIC ROCHESTER  
 Location: FRANC Franciscan Skemp Healthcare

Address PO Ship To PO Bill To Returns and Inspection Miscellaneous Work Order


Roles

Default PO Process Level:   
 Default PO Code:   
 Default PO Dropship Flag: N - No  
 Health Industry Number:   
 Global Location Number: 1100002070175  
 Sell Tax Code:   
 Purchasing Tax Code:   
 ERS Capable: N - No  
 Allocation Purpose: C - Consolidate Bins  
 Print Charge Labels:   
 Receiving Days:   
 Retail Location Type: - Non Retail Location  
 Single Document to a PO: 0 - No Default

Vendor:   
 Purchase From:   
 Customer:   
 Ship To:   
 Replenishment Requester:   
 EAM Location Type: - Not an EAM Location  
 Receiving Allocation: 0  
 Use GL Category Issue Accounting Unit as Default: Y - Yes

Requisitions Options

Process Type:   
 Run Status:



Vendor (AP10.1)

Vendor Group: 12 JLL de VILLE  
 Vendor: 3 Target

Attributes Vendor Bank Customer Approval PO Vendor Locations


Main Contact Defaults Options Returns User Fields P-Cards

Search Name: TARGET  
 Legal Name: TARGET

Client Information

Contact Name:   
 Telephone:   
 Mobile Phone:   
 Fax:   
 Telex:   
 Account Number:   
 VAT Registration Country, Number:  GLN Nbr: 110000033333  
 E-mail:   
 URL:

Vendor Contacts





## GLN Displayed or Available on a Drill From:

- ▶ GL10.1
- ▶ IC01.1
- ▶ IC02.1
- ▶ IC04.1
- ▶ IC00.5
- ▶ IC800
- ▶ IC11.1
- ▶ IC12.1
- ▶ IC12.2
- ▶ IC14.1
- ▶ IC15.2
- ▶ IC33
- ▶ IC34
- ▶ IC81
- ▶ IC83
- ▶ IC202
- ▶ RQ01.1
- ▶ RQ04.1
- ▶ RQ10.1
- ▶ RSS
- ▶ RSS - Receiving
- ▶ RSS - Approvals
- ▶ RSS – Status
- ▶ PO04.1
- ▶ PO10.1
- ▶ PO10.2
- ▶ PO13
- ▶ PO20.1
- ▶ PO23.1
- ▶ PO25
- ▶ PO25.6
- ▶ PO28
- ▶ PO29
- ▶ PO30.1
- ▶ PO31.1
- ▶ PO66
- ▶ AP10.1
- ▶ AP10.2
- ▶ AP20.1
- ▶ AP20.2

## Enterprise Search: Search for GLN

The screenshot displays the Lawson Enterprise Search application interface. At the top, the user is identified as David Christianson with a Log Off option. The main search window has a search bar containing 'GLN\_Number:123456' and a 'Search' button. The search results are displayed in a list format under the heading 'Vendors (2)'. The results are as follows:

- Vendor 1: Warehouse 1 from Vendor Group 8540 and Location... Vendor Location (AP10.2)
- Vendor 1: Merck and Company, Inc. from Vendor Group 8540 Vendor (AP10.1)

The interface also includes a left-hand navigation pane with categories like 'Lawson Business Data 2' and 'Supply Chain 2', and a 'Search in' section with various filters. The bottom right corner of the application window shows the version information: 'Enterprise Search Version: 9.0.3.509'.

## GTIN within Lawson Applications 9.0.1.3

- ▶ Setup within IC
  - Assign a GTIN for each UOM
  - Captures additional attributes from GDSN
  
- ▶ Visible and available in:
  - RSS
  - RQ
  - PO
  - AP
  - Various Interface files
  
- ▶ Transact using GTIN
  - E.g. on PO and sent via EDI
  
- ▶ Options to use GTIN or not

The screenshot displays the 'Global Trade Item Number (IC11.7)' application window. The interface includes a menu bar with 'Actions', 'Related', 'Tools', and 'Help'. Below the menu, there are input fields for 'Item Group' (12), 'Item' (100024), 'GTIN' (382905121340), and 'UOM' (EA). The description is '30cc BD MultifitT glass syringe'. The 'Main' tab is active, showing 'Classifications', 'Measurements', and 'Miscellaneous' sections. The 'Miscellaneous' section contains fields for 'GTIN Structure' (1 - GTIN-12), 'Bar Code Type' (04 - EAN/UCC 13 Symbol), 'Status' (0 - Active), 'Brand Name' (BD Luer-LokT, BD MultifitT), 'Functional Name' (30cc BD MultifitT glass syringe), 'Abbreviated Description' (30cc BD MultifitT glass syring), 'Effective Date' (07/01/2009), 'Date Available', 'Publication Date', 'Effective Time', 'Time Available', 'Publication Time', 'Manufacturer Information' (BD), and 'Manufacturer Name' (512134). At the bottom, there are 'Add Comments' and 'Add URL' buttons. The status bar at the bottom left indicates 'Inquiry Complete'.

Item Master (IC11.1)

Actions Related Tools Help Inquire Back

Item Group  Item

Main Classes UOM Packing Accounts User Fields Sales

Stock Unit of Measure  Date Added

Manufacturer Information

Manufacturer Name [Becton Dickinson](#)

Generic Name

Replacement Item

Nbr of Decimals: For Cost  For Price  For Quantity

MSDS Required

Serial Tracking  Lot Tracking

Stock Weight  Stock Cubic

Status  Certification

Usage Identifier  Consignment

Commodity Code

Global Trade Item Number (IC11.7)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾ ← Back ▾

Item Group

Item  NDL HYPO REG BVL 27GX1.25IN

GTIN  UOM  box

Description

**Main** | Classifications | Measurements | Miscellaneous

GTIN Structure  Status

Bar Code Type

Brand Name

Functional Name

Abbreviated Description

Effective Date  Effective Time

Date Available  Time Available

Publication Date  Publication Time

Manufacturer Information

Manufacturer Name Becton Dickinson

Manufacturer GLN

Global Trade Item Number (IC11.7)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾ ← Back ▾

Item Group

Item  NDL HYPO REG BVL 27GX1.25IN

GTIN  UOM  box

Description

Main **Classifications** Measurements Miscellaneous

UNSPSC

Segment	<input type="text" value="42"/>	Family	<input type="text" value="14"/>
Class	<input type="text" value="25"/>	Commodity	<input type="text" value="21"/>

Global Trade Item Number (IC11.7)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾ ← Back ▾

Item Group

Item  NDL HYPO REG BVL 27GX1.25IN

GTIN  UOM  box

Description

Main | Classifications | **Measurements** | Miscellaneous

Height	<input type="text" value="2.7500"/>	<input type="text" value="IN"/>	Inch
Width	<input type="text" value="3.0600"/>	<input type="text" value="IN"/>	Inch
Depth	<input type="text"/>	<input type="text"/>	
Gross Weight	<input type="text"/>	<input type="text"/>	
Net Weight	<input type="text" value="7.1990"/>	<input type="text" value="OZ"/>	Ounce
Net Content	<input type="text"/>	<input type="text"/>	

Consumer Unit

Invoicing Unit

Shipping Unit

Returnable Unit

Orderable Unit

Base Unit

Variable Unit

Change Complete - Continue

Global Trade Item Number (IC11.7)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾ ← Back ▾

Item Group

Item  NDL HYPO REG BVL 27GX1.25IN

GTIN  UOM  box

Description

Main | Classifications | Measurements | **Miscellaneous**

Target Country  United States of America

Batch or Lot Required

Diet or Allergen

Parent GTIN

Parent GTIN UOM

Parent Item

Brand Owner GLN

Information Provider GLN

GTIN Inquiry (IC30.2)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾

Item Group  Mayo

**Search Criteria**

GTIN Description

Brand Name

Item

**Selection Criteria**

GTIN Status

GTIN UOM

Brand Owner GLN

Parent GTIN

Position To

SC	GTIN	Item	UOM	Status	Parent GTIN
<input type="checkbox"/>	44321673	GZ-S	EACH	Active	
<input checked="" type="checkbox"/>	382903686070	102487	EA	Active	
<input type="checkbox"/>	9080777741345	RSS177	EA	Active	
<input type="checkbox"/>	908077777900	RSS177	CA	Active	
<input type="checkbox"/>	30382903686071	102487	BX	Active	
<input type="checkbox"/>	708077777802	100016	BX	Active	
<input type="checkbox"/>	708077777901	100016	EA	Active	
<input type="checkbox"/>	908077777202	100010	EA	Active	
<input type="checkbox"/>	908077777400	100010	BX	Active	
<input type="checkbox"/>					

Ready

# Enterprise Search: Search for a GTIN

The screenshot displays the Lawson Enterprise Search application interface. The main window is titled "Global Trade Item Number (IC11.7)". The interface includes a top navigation bar with "Actions", "Related", "Tools", "Help", and "Inquire" menus. The central area contains a form for item details:

- Item Group: 8540 (Company 8540 ITEM GROUP)
- Item: 11000006
- GTIN: 11000006
- UOM: EACH
- Description: item
- Status: 0 - Active

A context menu is open over the "Description" field, with the "Find in Enterprise Search..." option highlighted. Other menu items include "Select Value From", "Monitor", "Personalization", "Cut", "Copy", "Paste From Clipboard", "Clear", and "Clear to End".

At the bottom of the window, there are fields for "Effective Date", "Date Available", "Publication Date", "Effective Time", "Time Available", and "Publication Time".

The bottom right corner of the application window displays the text: "Enterprise Search Version: 9.0.3.509".

## Enterprise Search: GTIN Search Results

The screenshot displays the Lawson Enterprise Search application interface. At the top, the user is identified as David Christianson with a Log Off option. The search bar contains the GTIN 11000006. The search results are categorized into four sections: Requisitions (1), Items (3), and Purchase Orders (2). The left sidebar includes a Navigator with options for Favorites, Recent, and Functions, and a search bar labeled 'Start and Search'. The bottom right corner of the application window shows the version number: Enterprise Search Version: 9.0.3.523.

**Search Results**  
6 Matching Items

**Requisitions (1)**

- Requisition 314 and Requester DAC for Item 11000006 at Requesting Location WHS1 from Location... Requisition (RQ10.1)

**Items (3)**

- GTIN 11000006: item for Item 11000006 from Item Group 8540 Item Master (IC11.7)
- Item 11000006: item for Procurement Group 8540 and Vendor 5 Vendor Item (PO13.1)
- Item 11000006: item from Item Group 8540 Item Master (IC11.1)

**Purchase Orders (2)**

- Purchase Order 1500 for Item 11000006 from Buyer B1 for Vendor 1 Purchase Order Entry (PO20.1)
- Vendor Contact Comment for Purchase Order 1500 from Buyer B1 for Vendor 1 View Attachment Purchase Order Entry (PO20.1)

PO Vendor (PO10.1)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾

Vendor Group  AP00 Wongman's AP Vendor Group  
Vendor  AP10 Cardinal Health

Main Shipping Limits, Tolerance Returns Punchout/Interface User Fields

Contact

Name

Telephone    Fax

E-Mail

Default Buyer

Original PO Issue

Issue Method   
EDI Number   
Default PO Code

Revised PO Issue

Issue Method   
EDI Number   
EDI Trans   
Include

Print Location ID on PO Line   
Single Document to a PO

Requisition Lines On PO

Location Control

PO Vendor (PO10.1)

Actions ▾ Related ▾ Tools ▾ Help ▾ Inquire ▾

Vendor Group  AP00 Wongman's AP Vendor Group

Vendor  AP10 Cardinal Health

Main Shipping Limits, Tolerance Returns **Punchout/Interface** User Fields

**Punchout Items on a Line**

Allow Change to Punchout Line

**Interface**

GTIN in Use

Update Item Master from GTIN

LAWSOON™ davidc Log Off Start Show ?

**Purchase Order Entry (PO20.1)**

Actions Related Tools Help Inquire

Company 8540 Buyer B1 PO Date 07/17/2009 PO Total 100.00  
 PO 1591 Revision Transmitted 07/24/09  
 Vendor 4 Vendor 4 Currency USD  
 Purchase From  
 Ship To WHS1 Warehouse 1  
 Delivery Date Default Header Total Add Cmt Position To

FC	Line	Item Detail	Quantity	UOM	Unit Cost	Dlvr	Ship
	1	11	10.0000	BOX	10.00	01/15/2011	WHS1

Line Detail Activity, Asset Tax Pricing Cancel Misc Details

User Analysis  
 GTIN 65237643226741 Merck ProQuad

Inquiry Complete

Select GTIN Active GTIN Numbers

GTIN Number	Item	Description
123679	GZ-S	gauze small gtin 123679
12384778	INADW	i need a gtin 12384778 EACH
44321673	GZ-S	gauze small gtin 44321673
44321680	GZ-S	gauze small gtin 44321680 box
382905121340	100024	30cc BD MultitricT glass syring

5 records returned

CASS\_PTCHDEV4  
Version: 9.1.0.135.0

The screenshot displays the Lawson software interface for Purchase Order Entry (PO20.1). The main window shows the following details:

- Company: 8540
- Buyer: B1
- PO Date: 07/17/2009
- PO Total: 100.00
- PO: 1591
- Revision: Transmitted 07/24/09
- Vendor: 4
- Vendor 4
- Currency: USD
- Ship To: WHS1
- Warehouse 1
- Delivery Date: Default
- Buttons: Header, Total, Add Cmt
- Position To: [Empty]

A "Ship To Drill Around@" dialog box is open, showing the following information:

- Location: **WHS1**
- Name: **Warehouse 1**
- Address: **Bretzke Road**
- County: **Kingston MN**
- PO Name: **Warehouse 1**
- Address: **Bretzke Road**
- County: **Kingston SD**
- HIN: [Empty]
- GLN: **444444444444**

The status bar at the bottom indicates "Ready" and "Processing Completed". The version information is "SS\_PTCHDEV4 Version: 9.1.0.135.0".

LAWSOON davidc
Actions Related Tools Help
Show ? - X

Navigator

Start

S3 Print Manage

S3 Transaction

S3 Application

S3 Jobs

S3 Jobs

S3 Print

S3 Reports

S3 Jobs

Lawson International

Lawson Software

Reynolds Select

Lawson Software

Lawson Signs Er

Lawson Software

Wagner Equipm

Lawson Software

Lawson Software

Lawson Software

Sheltering Arms

Lawson Software

Mathew Cole

SHIP VIA:

VENDOR: 4 SHIP TO:

Vendor 4 Warehouse 1  
New Addr. Bretzke Road  
Kingston SD

CONTACT: TEST 4 CONTACT: Buyer 1  
PHONE: PHONE:  
FAX: 123 4567 222 FAX: 232 232-1111 1121

-DISCOUNT-

TERMS DAYS RATE NET ACCOUNT NUMBER

---

Purchase Order Currency: US Dollars3

Invoice by mail

Process Level: 8540

LINE	ITEM NUMBER	DESCRIPTION	QUANTITY	PRICE	EXTENDED AMOUNT
<u>1</u>	<u>11</u>	VACCINE FOR CHILDHOOD DISEASES	10.0000	<u>BOX</u> 10.00	100.00

Commodity Code: CC-1  
Deliver on January 15, 2011  
Mfg Cde: MRCK Mfg Div: PHAR Mfg Nbr: CRT-542  
Vendor Item Number: 11  
Vendor Item Desc: Item 110001000043  
Item Detail: 11  
GTIN: 65237643226741  
GTIN DESCRIPTION: Merck ProQuad  
GLN: 44444444444444

Sweden July 24

Manila July 25

St Paul July 24

Page 1

Page 1 of 1



## GTIN in EDI

- ▶ GTIN directly mapped to and from x12 Transaction set.
- ▶ Existing Item level segments will be used for exchanging GTIN
  - 850 – PO1 segment
  - 810 – IT1 segment
  - Also supporting 855, 856, 832, 867, 820
- ▶ GTIN identified by qualifier
- ▶ Qualifier will be determined based on length of GTIN

Length	Qualifier
'14'	'UK'
'13'	'EN'
'12'	'UP'
'8'	'EO'



## GLN in EDI

- ▶ Initial industry focus is on the use of GLNs to enumerate Ship To locations
- ▶ Customers will be able to configure the use of GLNs within the EDI system for specific trading partners.
  - Do not to use GLNs (default/existing functionality)
  - Use GLNs and vendor assigned account numbers
  - Use only GLNs
- ▶ Ship To GLNs will be exchanged in an 'N1' segment with an 'ST' qualifier
  - 'UL' qualifier will denote a GLN

*N1^ST^SHIPTO NAME^UL^Global Location Number*
- ▶ Lawson will also support the use of GLNs for Ship To, Bill To, and Vendor

## EDI: Support for 9.0.1 vs. 8.1/9.0 Applications

- ▶ Lawson EDI for SCM 9.0.1 will work with Procurement 9.0.1
- ▶ Lawson EDI for SCM 9.0.0.4 will work with Procurement 8.1 and 9.0
- ▶ EDI Configuration is available to enable usage of GLNs
- ▶ Procurement 8.1/9.0
  - GTIN not directly mapped
  - GLN not directly mapped though GLN can be used in EDI using cross references set up as Data Substitution records.
- ▶ Procurement 9.0.1.3
  - GTIN directly mapped
  - GLN directly mapped
  - Data Substitution cross references are also available

## GLN/GTIN in Interface Programs

Program	Name	Support
IC811	Item Master Load	GTIN, Update Item Master from GTIN flag, GLN
IC516	Load UNSPSC	UNSPSC
IC558	GLN Master Load	GLN
PO536	Vendor Price Agreement Load	GTIN, Update Item Master from GTIN flag
PO550	Bid Creation	GTIN
PO560	Bid Response Load	GTIN
AP510	Vendor Conversion	GTIN flag, Update Item Master from GTIN flag, GLN
AP51.4	Vendor Conversion Maintenance	GLN
RQ500	Requisition Interface	GTIN
PO520	Interface from Non-Lawson	GTIN
PO53.7	Interface Maintenance	GTIN
MA531	Receipt Interface	GTIN
MA53.1	Receipt Interface Maintenance	GTIN
MA540	AP Invoice Interface	GTIN
MA54.3	AP Invoice Interface Maintenance	GTIN
AP300	AP Invoice Purge	GTIN
RQ300	Requisition Purge	GTIN
PO300	Purge	GTIN
PO120	Mass Issue	GLN, GTIN



## Commonly Asked Questions

- ▶ Will the GLN replace all my Lawson location ID's?
- ▶ *A GLN will be associated with a Location ID and then used within transactions.*
- ▶ Will GTINs replace all my Lawson item numbers?
- ▶ *One or more GTINs will be associated with Items for use in transactions.*
- ▶ Will I be able to phase in my trading partners?
- ▶ *Lawson provides configurations options to phase in the use of GLN or GTIN with vendors.*



## Benefits of Lawson 9.0.1.3

- ▶ Implementation of GLN can help eliminate or reduce the use of custom account numbers and location identifiers with trading partners
- ▶ Use of GLN can reduce errors due to miss-shipments or due to missed eligibility
- ▶ Storage of GTINs to uniquely identify products at each packaging level helps ensure the right product is used or ordered
- ▶ GDSN attributes lay the foundation for future data synchronization
- ▶ Allows you to implement GS1 standards at your pace

***Efficient Product Movement, Order Management,  
& Information Sharing***

## Lawson Support for GS1 Summary

### Applications 8.1 / 9.0.0

- GLN
  - On IC02
  - In EDI via ED40 Data Substitution
- GTIN in UPN1
- UNSPSC

### Applications 9.0.1.3

- GLN
  - Any location type
  - Company
  - Vendor
  - Manufacturer
- GTIN
  - Dedicated field
  - GDSN attributes
- Transact using GLN and GTIN via EDI
- UNSPSC

*If you're ready for GS1,  
Lawson Supply Chain Management is ready too...*



## Questions?

For more information go to  
[www.lawson.com/healthcare](http://www.lawson.com/healthcare)  
or call 1-800-477-1357.

Visit us at [www.lawson.com/hcwebinars](http://www.lawson.com/hcwebinars) for more information on our Healthcare Webinar World Series.



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