

GPC Context Overview

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Chair Global Product Code Standards Committee November 17, 2008



GS1 in a nutshell





GS1 in a nutshell



The global language of business **GS1** is a not-for-profit organisation that develops global standards for the identification of goods and services.

GS1's standards foster **cooperation** and encourage **information-sharing** worldwide.

Thanks to GS1, businesses and organisations can improve the **efficiency** of their supply and demand chains by adding useful information to any exchange of goods or services.



GS1 in numbers

A fully integrated global organisation, GS1 was formed in early 2005 from the joining of EAN International, Electronic Commerce Council of Canada, and the Uniform Code Council (UCC).

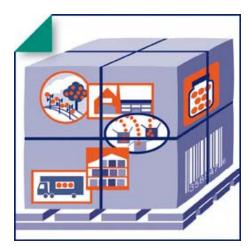
- 30 years of experience
- 104 member organisations representing all points in the supply chain
- Over a million companies doing business across 145 countries
- Over 20 represented sectors (FMCG, healthcare, transport, defence...)
- Over 5 billion transactions a day

GS1 is the most widely used supply chain standards system in the world.



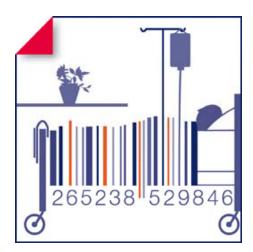


GS1 offers **solutions**, each integrating a number of GS1 products.



Traceability is a robust solution for tracking and tracing items such as food or pharmaceuticals through the supply chain.

> Patient Safety ensures the prevention of medical errors and counterfeiting through the healthcare supply chain.







GS1 has active programs in several specific industry sectors.



Healthcare: In 56 countries worldwide, GS1 standards have been chosen to identify pharmaceutical products uniquely. Major regulatory bodies have endorsed them, including those in the US, Japan and the UK.

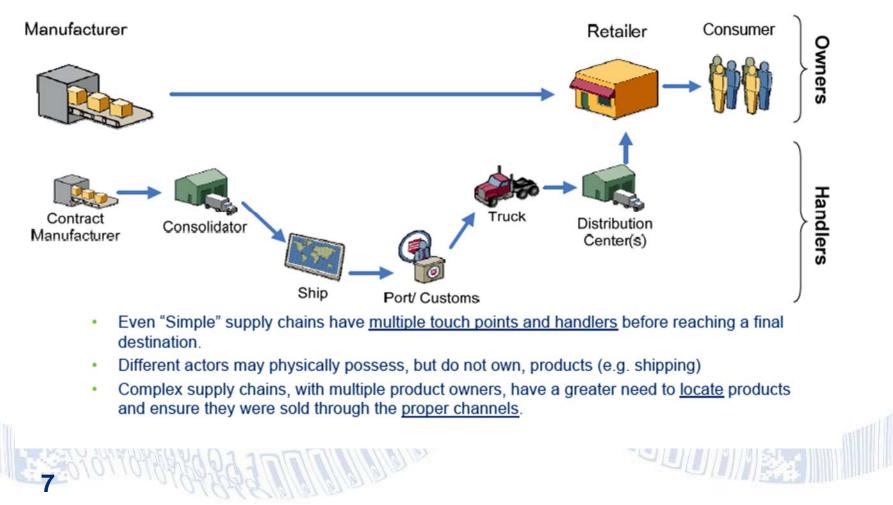


Defense: Global Solutions offered by GS1 play a role in the defence sector including but not limited to procurement, logistics and asset tracking. GS1 standards are endorsed by the North Atlantic Treaty Organisation (NATO).

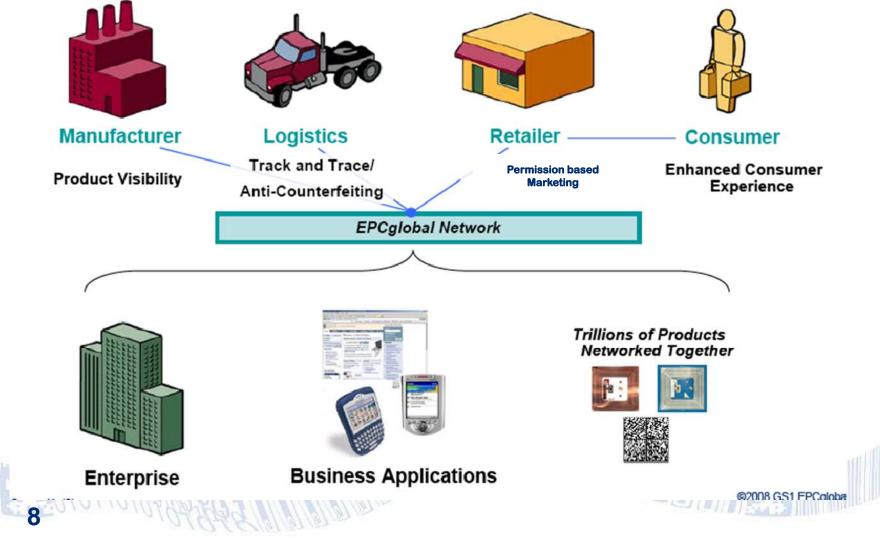


Transport & Logistics: Today no transport and logistics company can be efficient without robust information technology and data communication support. GS1 standards help hundreds of T&L companies.





GS1 Vision: An Interconnected World



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Was my product sold and distributed via the expected channels?

- Have counterfeit products entered the supply chain?
- Has the product been authenticated?

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Chain of Custody

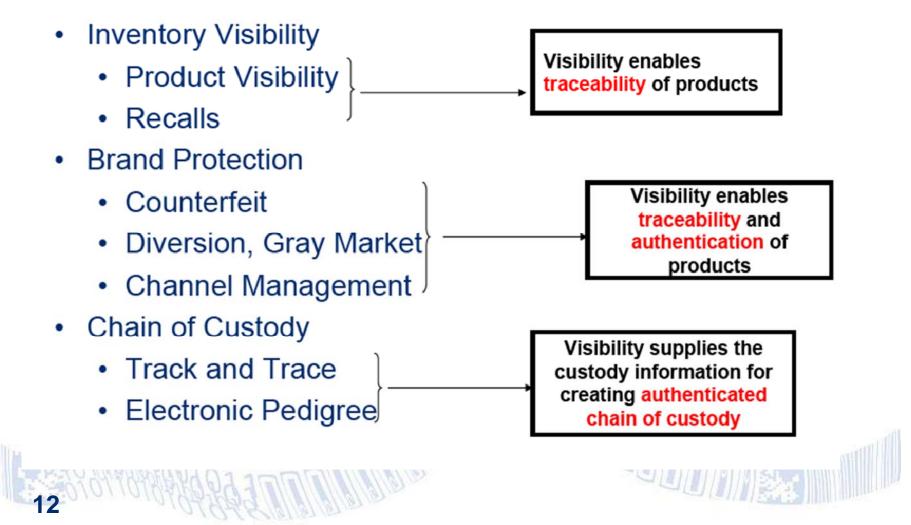
Where did my product come from?
Can the chain of custody be trusted?
Where is my product located now?
Was the shipment received securely as it moved across the ocean?



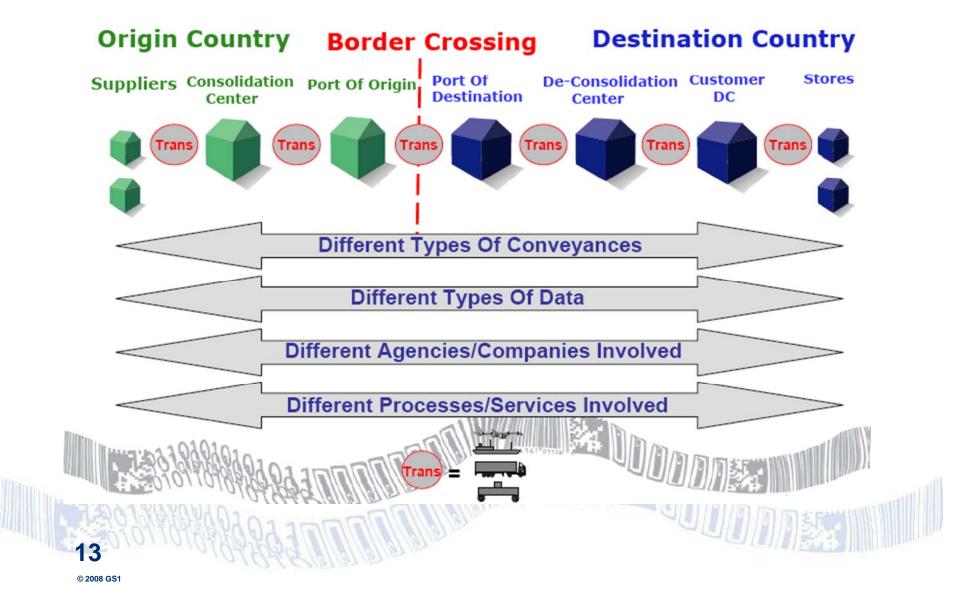


Have the displays reached the needed intermediate locations yet for next month's promotion?
Where are the units in the lot that need to recalled NOW?
Where are the items with an expiration date of today?





G Global Visibility Standards Challenges





The GS1 Working Committee – Mobile Commerce Interface

Product Recall

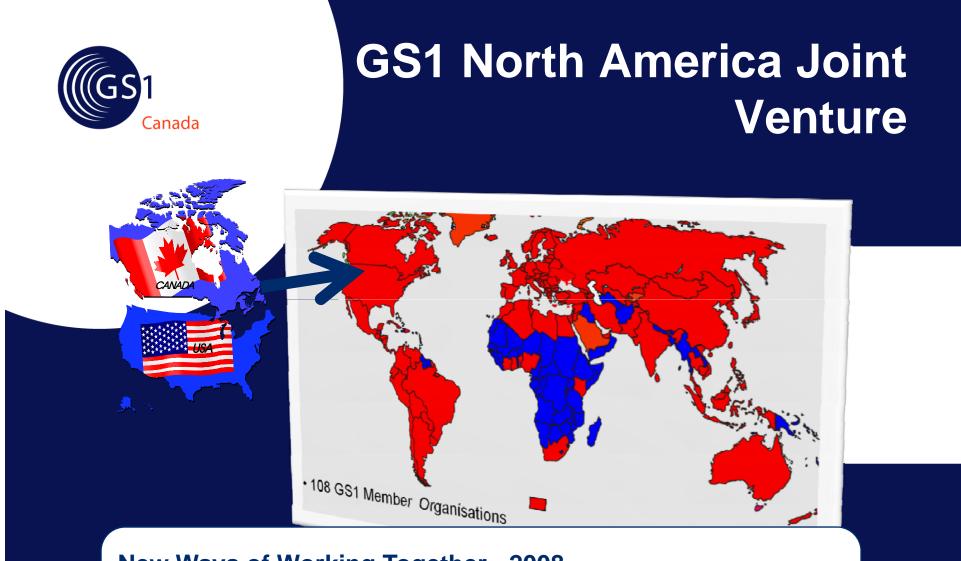
Traceability

- Product identity
- Product integrity

World Issues

- Green
- Country of origin
- Blood-free
- Organic
- Kosher
- Fair-trade
- Security





- New Ways of Working Together 2008
- Product Recall / Traceability Collaboration Zone
- **Empty Miles / Sustainability Collaboration Zone**
- **1SYNC Item Centre GDSN**



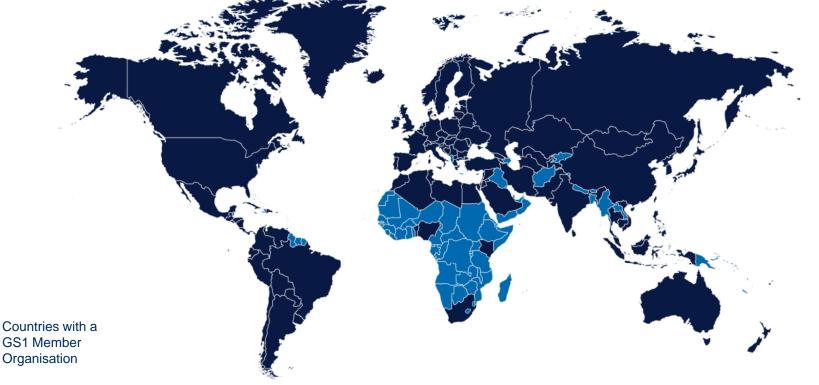
GS1 provides a wide variety of **services** to its user companies.

(4/4)

- Implementation support
- Benchmarking
- Verification tools and calculators
- Consulting services
- Software
- Guides and manuals
- Training and education
- Helpdesk
- And more...







Countries served on a direct basis from GS1 Global Office (Brussels)

108 Member Organisations. 150 Countries served. Local services, global reach.

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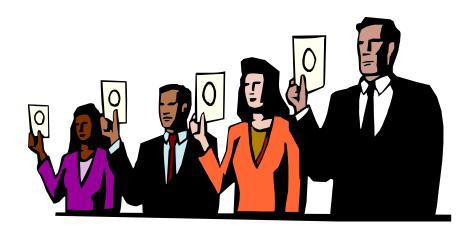
GS1: Yesterday and Today



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From merely a standards-making body...









...to a complete standards and services organisation.





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- GS1 is a not-for-profit organisation
- GS1 is neutral from our business partners
- GS1 is user-driven and user-governed
- GS1 serves all companies: from multinationals to SMEs
- GS1 is a platform for collaborative agreement between partners
- GS1's employees and associates are our most important asset

GS1 Products







The GS1 System

An integrated system of global standards that provides for accurate identification and communication of information regarding products, assets, services and locations.

GS1 ID Keys

GS1 Identification Keys are non-significant, secure and global unique numbers which support the identification of items, services,

locations, logistic units and returnable containers







GTIN: Global Trade Item Number

The GS1 ID Key assigned to any product or service that may be priced, or ordered, or invoiced at any point in any supply chain.







SSCC: Serial Shipping Container Code





The GS1 ID Key for an item of any composition established for transport and/or storage, and that needs to be managed across the supply chain.

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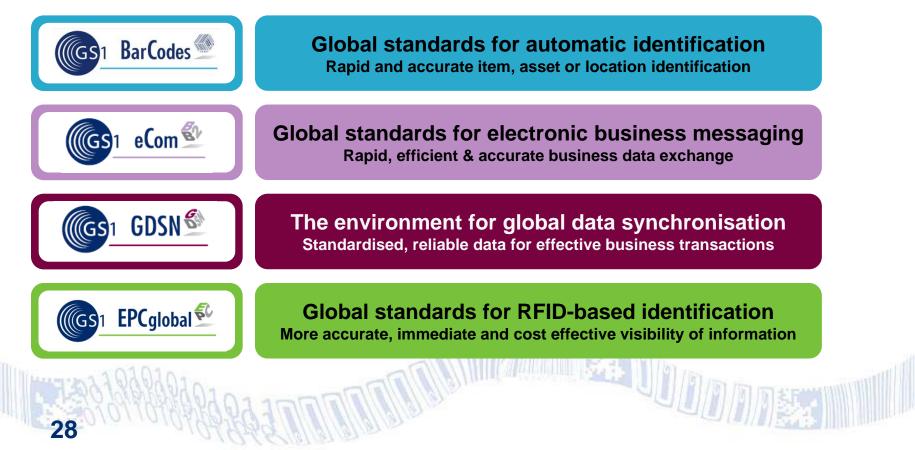


The GS1 ID Key used to identify physical locations of items in the supply chain.





GS1 has a full portfolio of products.



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GS1 Traceability Foundation

GDSN and **EPCN** currently have a shared dependency on core product information





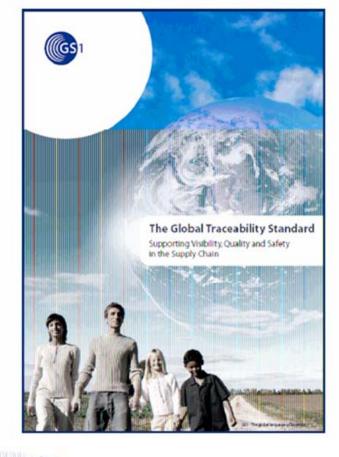
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GS1 Canada Leadership GS1 Traceability Standards



GS1 Canada Key Registries Today Canadian Grocery Product Registry Canadian Pharmaceutical Product Registry Canadian Vaccine Product Registry Canadian Food Service Product Registry Canadian GS1 Prefix Registry Canadian GLN Registries



TBD - Canadian Medical Surgical Product Registry

What is Data Synchronization

Every company has a **database** filled with master data about the products they make, or sell, or buy

But when one company needs to change any bit of information in their database or add a new item to it, another database may not be up to date anymore...!





The GS1 Global Data Synchronisation Network (GDSN) enables a single point of truth for master data.





Synchronizing Master Data





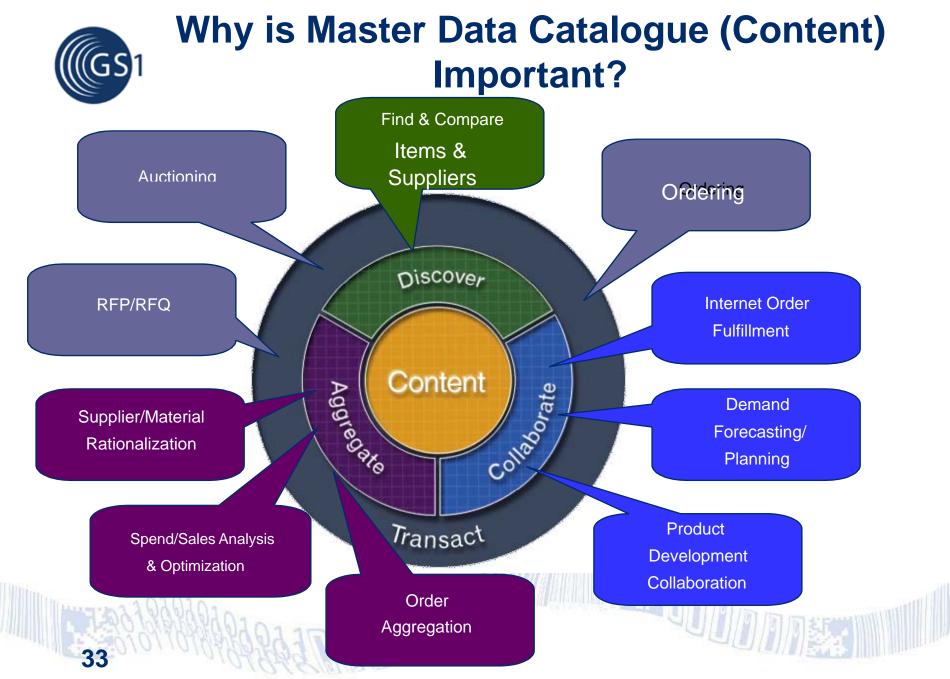


Height Width Depth Weight Items per case Cases per pallet GTIN

Supply side Product Database Trading partners synchronising master data can rely on the information in their database

Demand side Product Database

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Business Messaging Standards Package Measurement Rules Data Pool Certification

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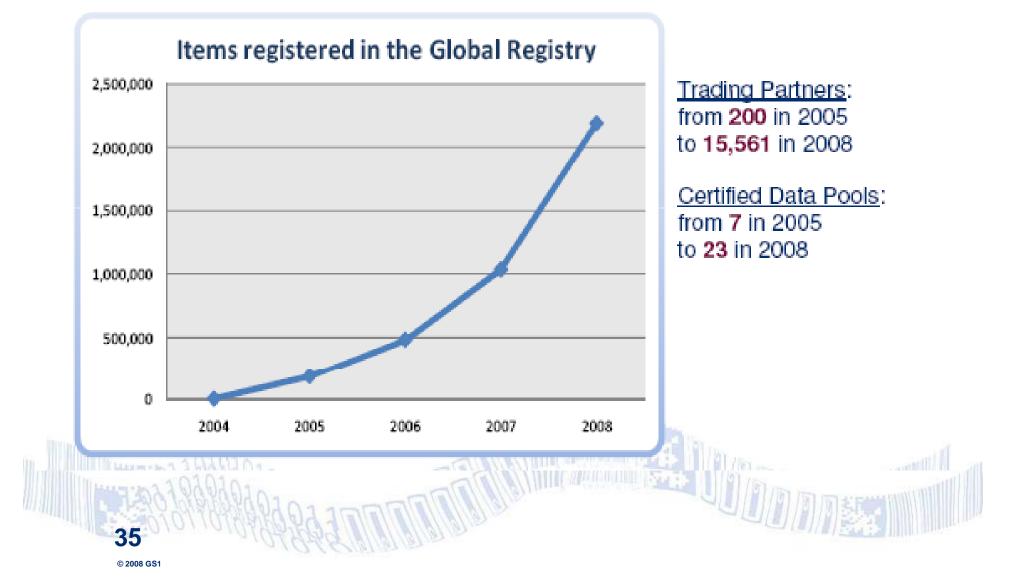
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Trade Item Synchronisation Cataologue Item Synchronisation Price Synchronisation Extended Attributes Data Quality Framework Global Product Classification and more ...

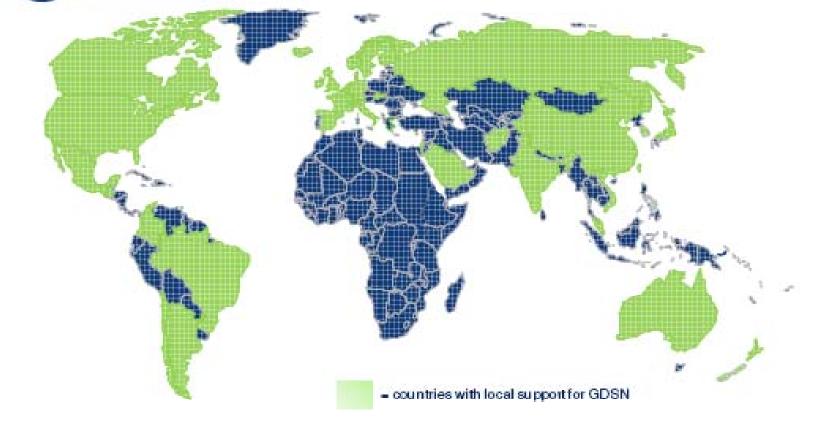
Solid base of Standards and Guidelines in place to build a reliable Master Data Management programme



GS1 GDSN Increased Adoption Momentum



GS1 GDSN Broad Geographic Coverage

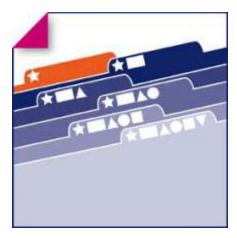


Global Reach – Local Reach Local support for GDSN in 50+ countries

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GDSN uses **GS1** GPC

Ensures products are classified

correctly and uniformly

Gives buyers and sellers a

common language for grouping

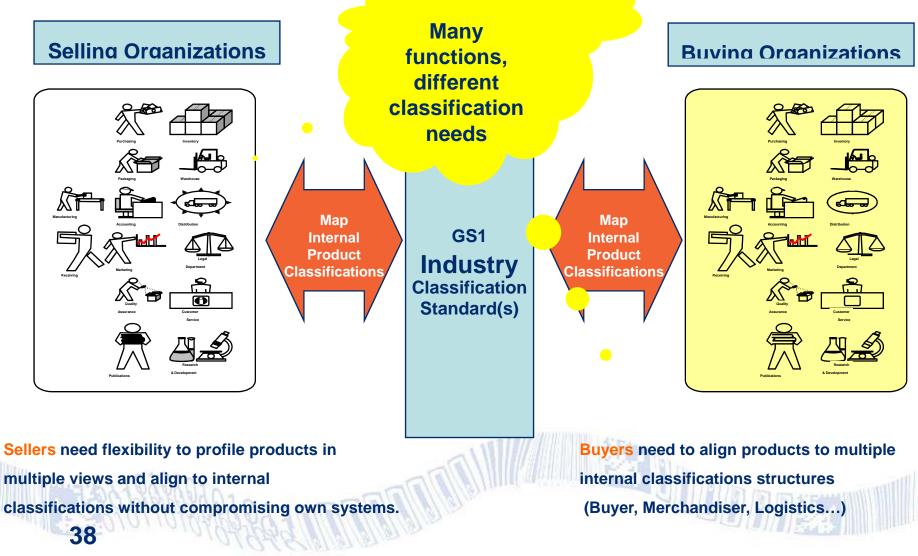
products in the same way,

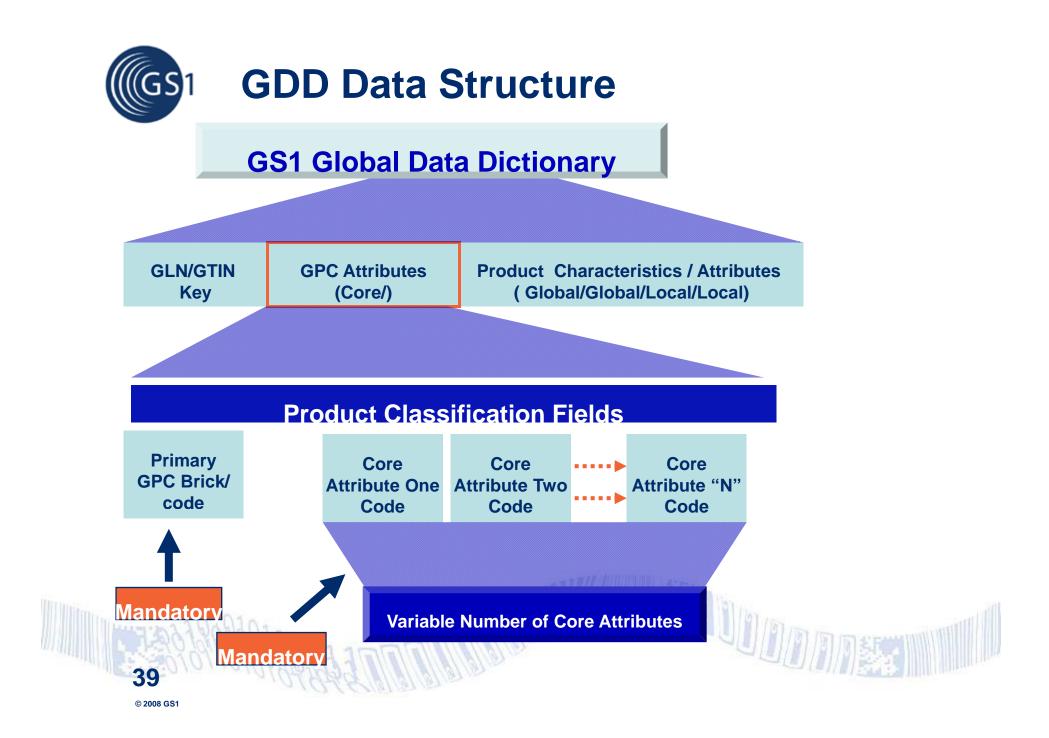
everywhere in the world



Why Address Classification at all?



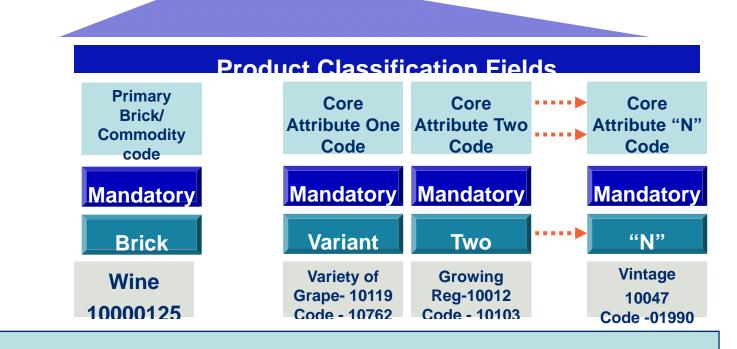




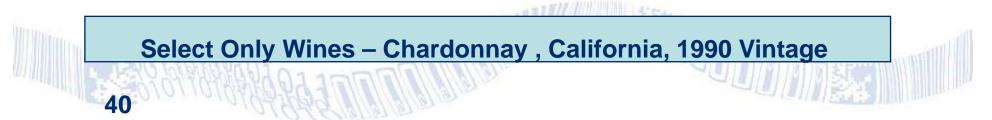


GPC Selection / Search Example

GPC Attributes



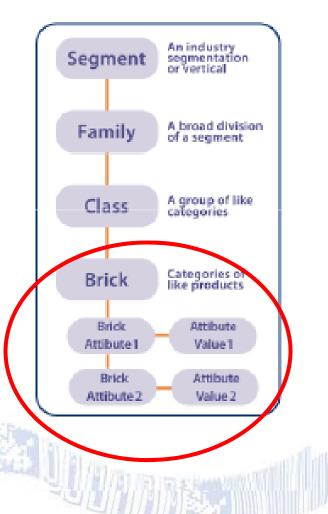
Select all Wines or Select all Chardonnay or Select all Californian or





The foundation of GPC is called a "Brick"

- Defines categories of similar products
- Ensures the correct recognition of the product category across the extended supply chain
- Bricks can be further characterised by Brick Attributes







UNSPSC is a global, multisector classification system supporting primarily spend analysis and procurement

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Under the leadership of the user community, GS1 is **aligning GPC with** another classification system managed by GS1 US, the United Nations Standard Products and Services Code - **UNSPSC**.

Interoperability has already been established; the associated mapping tool will be available in Q4 2008



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- A new GPC release published to GDSN in September
 '08 ('As at 31 May 08') in 36 categories
- GPC On-line Browser and Finder

http://gpcbrowser.gs1.org/

- search and browse in 5 languages for all components (codes, names and definitions) of the current GPC schemas
- GS1 LEARN online program GPC Basics
- GS1 Classification Strategy developed



GPC Direction

Continue to maintain GPC system (categories, updates, support in GDSN)

Continue alignment / mapping to UNSPSC

Develop GS1 Global Classification Strategy

- Considering other key classification systems
- Widely and uniformly adopted across all GS1 MOs

Leverage GPC structure to support context-driven approach with the Global Data Dictionary and GDSN Item Model





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