



GS1 contribution WCO PTC 5 November 2013





GS1: Global reach, local presence

GS1 is a not-for-profit organization dedicated to the design and implementation of global standards and solutions to improve the efficiency & visibility of the supply and demand chains globally and across sectors



111 Member Organisations
1,5 million member
companies

- Countries with a GS1 Member Organisation
- Countries served directly by GS1 Global Office



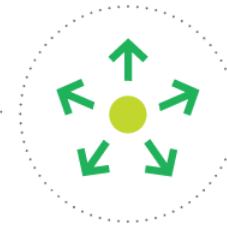
GS1 Standards



IDENTIFY



CAPTURE



SHARE

GS1 Standards for Identification

COMPANY & LOCATION

Global Location Number (GLN)

PRODUCT

Global Trade Item Number (GTIN)

Serialised Global Trade Item Number (SGTIN)

LOGISTICS & SHIPPING

Serial Shipping Container Code (SSCC)

Global Shipment Identification Number (GSIN)

Global Identification Number for Consignment (GINC)

ASSETS

Global Individual Asset Identifier (GIAI)

Global Returnable Asset Identifier (GRAI)

SERVICES & MORE

Global Service Relation Number (GSRN)

Global Document Type Identifier (GDTI)

Global Coupon Number (GCN)

GS1 Standards for Barcodes & EPC/RFID

GS1 BARCODES

EAN/UPC



9 501101 021037

GS1-128



(00) 3 9501100 000001001 9

GS1 DataBar



(01) 0 9501101 02103 7

ITF-14



06501101021037

GS1 DataMatrix



GS1 QR Code



GS1 Composite Barcode



9 501101 021037

GS1 EPC/RFID

Electronic Product Code (EPC) RFID



EPC HF Gen 2

EPC UHF Gen 2



GS1 Standards for Data Exchange

MASTER DATA

Global Data Synchronisation Network (GDSN)

TRANSACTIONAL DATA

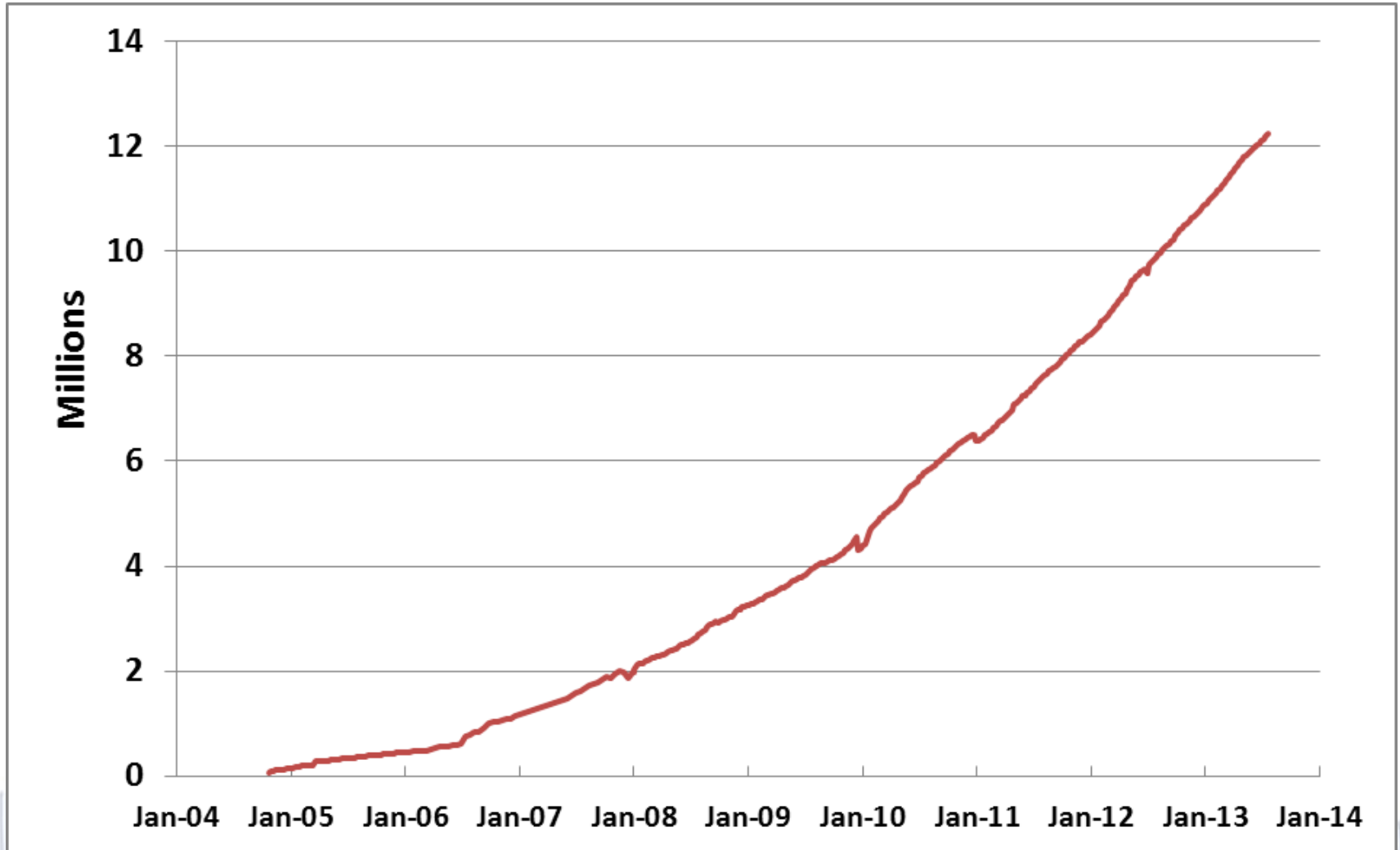
eCom (EDI): EANCOM, GS1 XML

EVENT DATA

EPC Information Services (EPCIS)



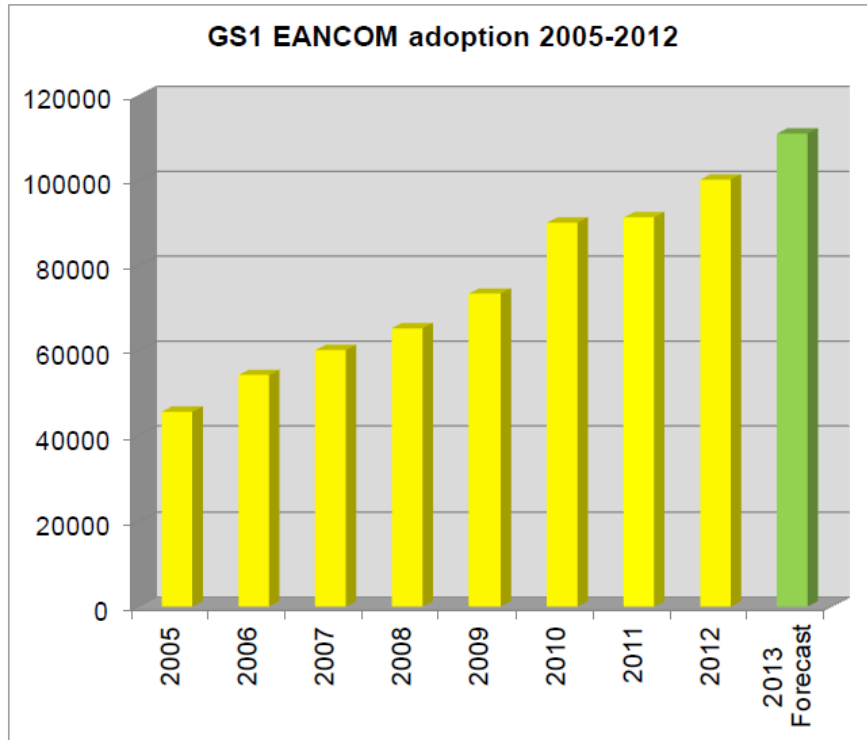
Electronic Product master data alignment (GDSN) – currently 12million GTINs; 30,000 user companies



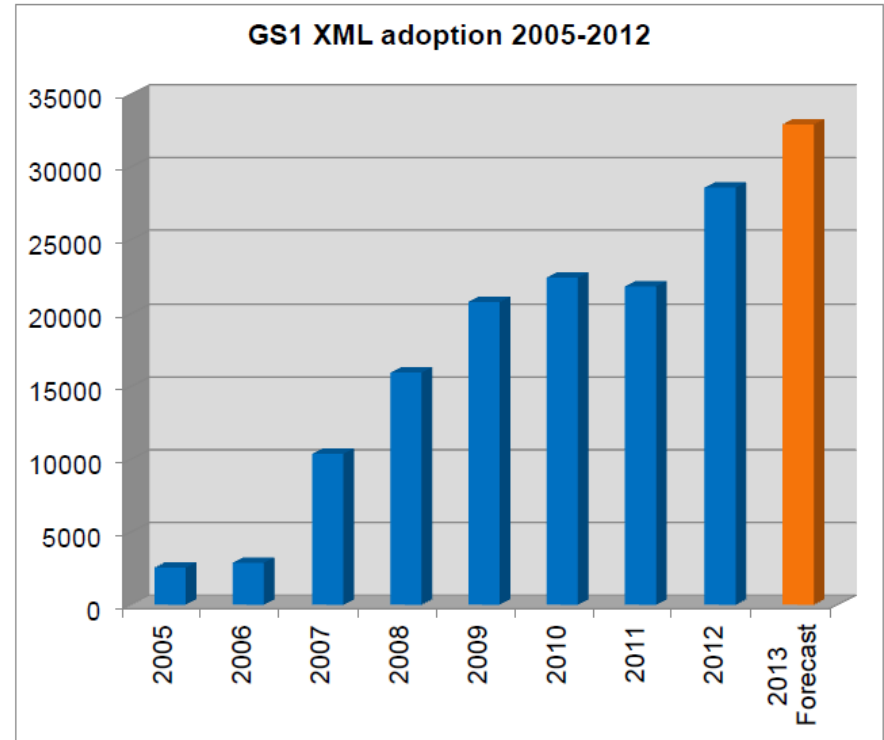


Electronic data interchange adoption

EANCOM[®] standard



GS1 XML standard





Examples of current initiatives

- **WCO/IPM** - use mobile devices to scan barcodes found on millions of products, enabling to search the products database in a more time-efficient manner
- **New Zealand** - Joint Border Management System (JBMS) Consultation references the value of GS1 Standards
- **Canada** - development of proof-of-concepts with the Canadian Government (Health Canada, Transport Canada, Natural Resources Canada and the Department of Foreign Affairs and Development)
- **US** - US Customs allows trade to submit product-level information including the GTIN and GPC codes to assist Partner Government Agencies in clearing their products



What WCO may consider

- Include the use of global e-business standards in Customs IT strategies as a best practice for product visibility
- Recommend that all parties in the supply chain, including governmental agencies, make smart use of product information
- Recommend that they make provision for GS1 identifiers – the Global Trade Item Number (GTIN), Serial Shipping Container Code (SSCC), and Global Shipment Identification Number (GSIN), Global Location Number (GLN) in their IT systems



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