



Making your value chain more visible, secure and sustainable.

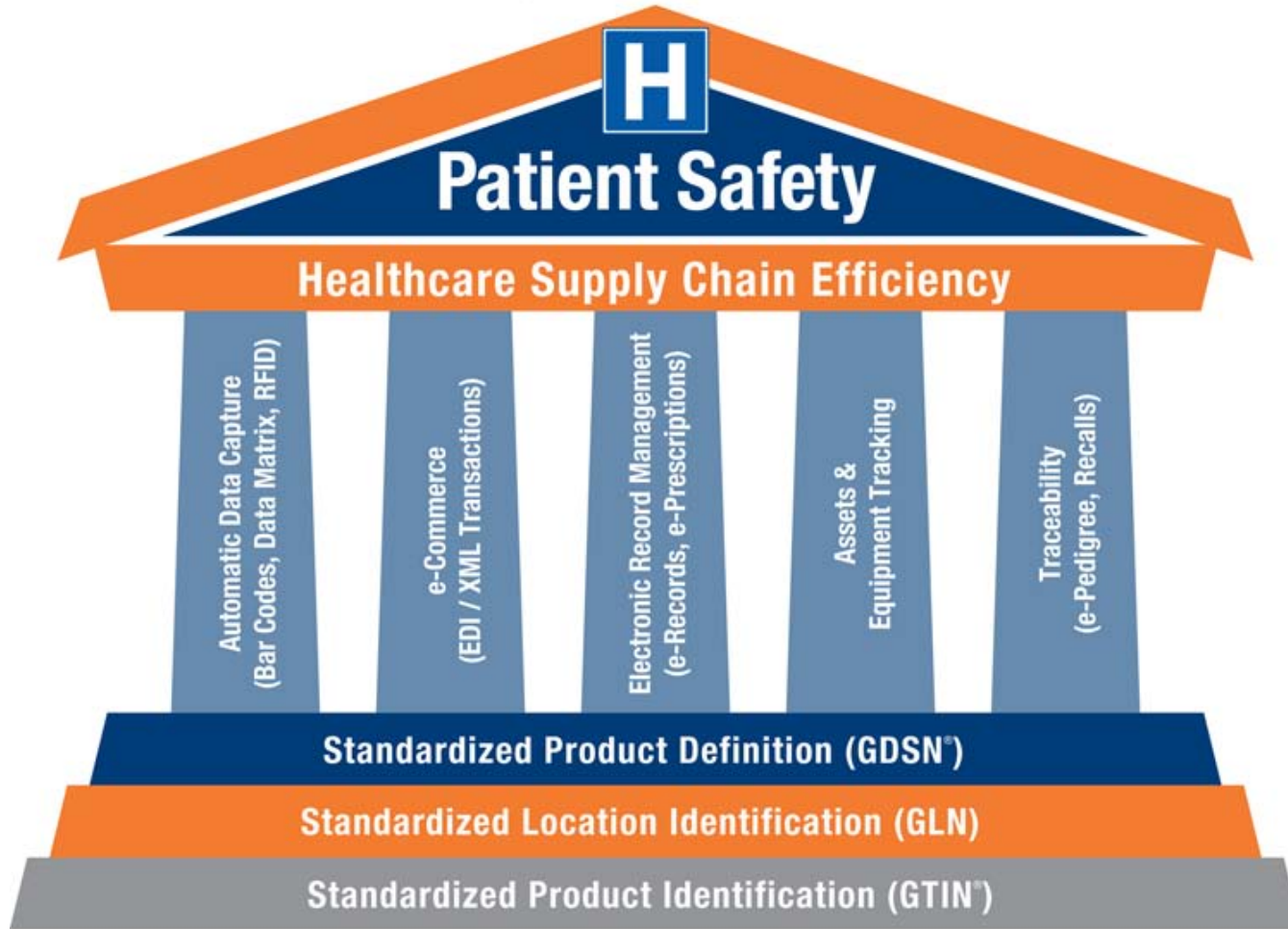
Medical Device Supply Chain Council UDI/Standards Adoption Network

September 30 – October 1, 2010

Dennis Harrison, GS1 Healthcare US



“Building Patient Safety”



Healthcare GDSN Attributes

35 Total Attributes*

- 19 GDSN Required
- 16 Additional Healthcare

**9 Boolean Attributes*

GDSN Healthcare Attributes

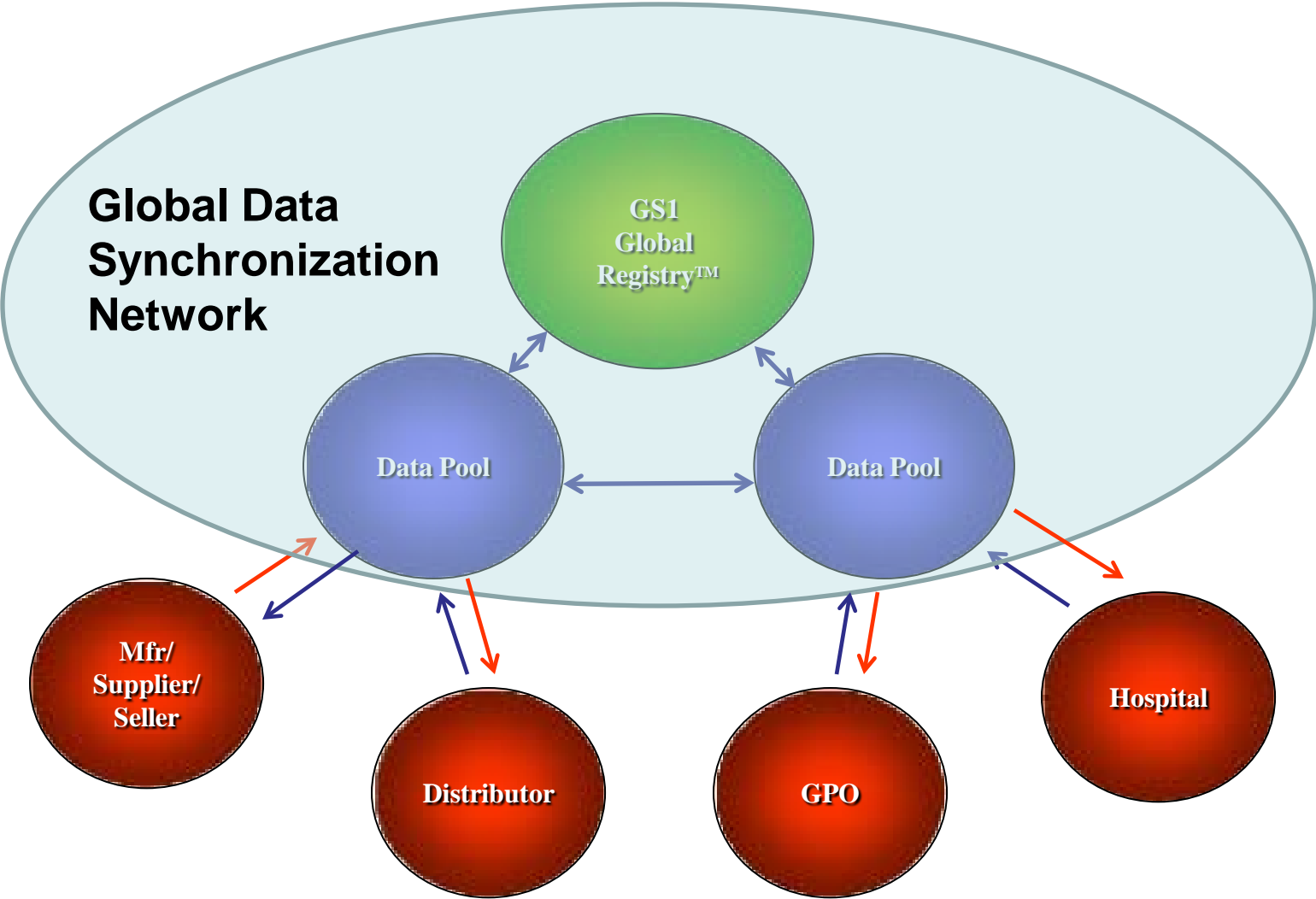
1. GTIN
2. Trade Item Unit Descriptor
3. Additional Trade Item Identification Type/Value
4. Parent GTIN
5. Child GTIN
6. Quantity of Children/Total Quantity of Next Lower Level Trade Item
7. Information Provider of Trade Item Name/GLN
8. Target Market Country Code
9. Brand Owner Name/GLN
10. Manufacturer Name/GLN
11. Functional Name
12. Brand Name
13. Additional Trade Item Description
14. Height +UoM
15. Width + UoM
16. Depth + UoM
17. Gross Weight +UoM
18. Net Content +UoM
19. Is Trade Item a Consumer Unit?
20. Is Trade Item an Orderable Unit?
21. Is Trade Item an Invoice Unit?
22. Is Trade Item a Despatch Unit?
23. Is Trade Item a Base Unit
24. Is Trade Item a Variable Unit?
25. Is Packaging Marked Returnable?
26. Has Batch Number? Is Non Sold Trade Item Returnable?
27. Bar Code Type
28. Classification Category Code
29. Additional Classification Agency Name, Category Code, Category Code Version, Category Description
30. Start Availability Date Time
31. Effective Date
32. Minimum Trade Item Lifespan from Time of Production
33. Minimum Trade Item Lifespan from Time of Arrival
34. Healthcare Trade Item Reusability Information
35. Does Trade Item Contain Latex?

GDSN Attributes

Under Consideration by the GHTF

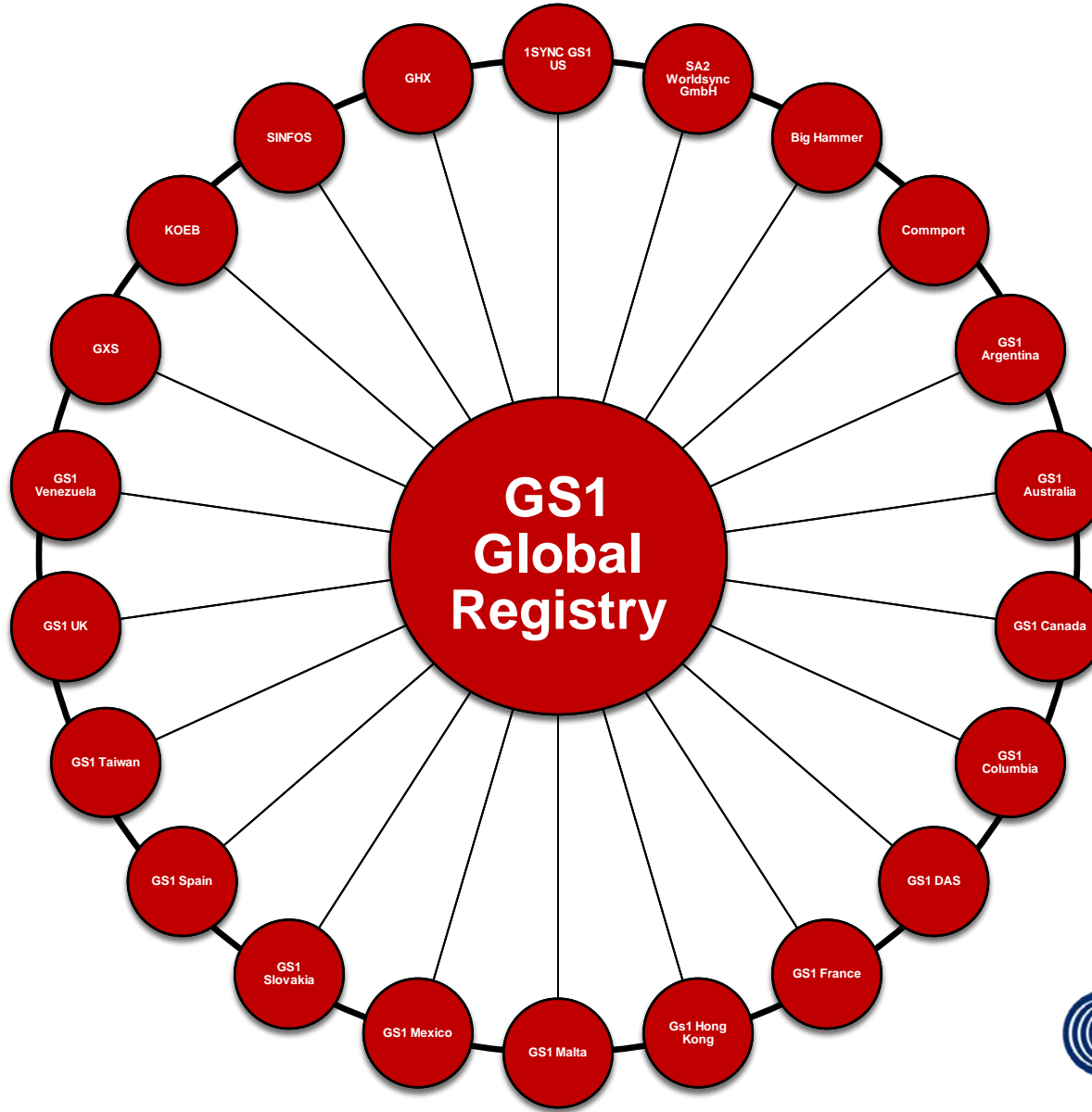
1. Size (if applicable)
2. Special Storage and/or Handling Conditions (if applicable)
3. "Sterility - Packaged Sterile Y/N, Need to be sterilized before use Y/N"
4. License of Marketing Authorization
5. URL for additional information (optional)
6. Critical Warnings or Contraindications (optional)

Global Data Synchronization Network® (GDSN®)





The GS1 Global Registry & 27 Certified Data Pools





Adoption of GDSN in Healthcare by 2012

Assumes an organization has completed Phase Two of the GTIN Implementation Plan and that manufacturers have assigned GTINs to their products

	Phase One Commit	Phase Two Assess	Phase Three Select	Phase Four Implement	Phase Five Transact	Phase Six Maintain
Manufacturer	<p>Create awareness of GDSN and its benefits and obtain executive sponsorship to move forward with implementation.</p>	<p>Perform gap analysis of GTIN attributes to determine what work flow changes are required to comply with GS1 standards and the GDSN.</p> <p>Assess system's ability to store, publish and maintain GDSN attributes.</p>	<p>Evaluate GDSN-certified Data Pools for the best fit with your organization's business objectives. Using appropriate selection criteria, select and subscribe to a GDSN-certified Data Pool.</p>	<p>Prepare data by updating internal system(s) to close gaps identified in gap analysis and perform data quality / data cleansing activities.</p> <p>Connect to the GDSN and load data.</p> <p>Coordinate with customers. Confirm attributes to be published with data recipients. Test with customers and review test results.</p> <p>Educate and train staff about your Data Pool and the GDSN.</p> <p>Develop a maintenance plan and data governance procedures.</p> <p>Begin synchronizing data.</p>	<p>Begin transacting using data published through the GDSN.</p> <p>Reassess business processes and refine to meet organization's goals.</p>	<p>Manage new product introductions and product updates with trading partners.</p> <p>Follow established governance plan for controlling data accuracy.</p> <p>Measure and monitor EDI effectiveness [i.e., change in number of exceptions e.g., wrong/incorrect invoices, wrong unit of measure etc.].</p> <p>Measure and monitor return on investment.</p>
GPO		<p>Perform an analysis to identify gaps between currently stored product attributes and GDSN healthcare attributes.</p> <p>Assess system's ability to receive, store, manage, use and maintain GDSN attributes.</p> <p>Understand capability to integrate GDSN data with current information systems.</p>		<p>Prepare data by updating internal system(s) to close gaps identified in gap analysis and perform data quality / data cleansing activities.</p> <p>Connect to the GDSN.</p> <p>Coordinate with suppliers. Notify trading partners. Confirm attributes. Test with suppliers and review results.</p> <p>Educate and train staff about your Data Pool and the GDSN.</p> <p>Develop data governance procedures and a conceptual data integration plan.</p> <p>Place subscription requests and onboard suppliers. Begin synchronizing data.</p>	<p>Develop tactical data integration plan.</p> <p>Execute plan</p> <p>Reassess business processes and refine to meet organization's goals.</p>	<p>Update product item master.</p> <p>Evaluate new attributes as necessary.</p> <p>Follow established governance plan for controlling data accuracy.</p>
Distributor					<p>Develop tactical data integration plan .</p> <p>Execute plan.</p> <p>Begin transacting using GDSN data.</p> <p>Reassess business processes and refine to meet organization's goals.</p>	
Provider						

Best Practices Group Connectivity

	Amerinet	Novation	Premier Health Partners	Premier, Inc.	ROi	UMMC
Abbott			Publications set up		Publications set up	
Baxter						
BD			?			
KCC		Will be publishing "Consumer Codes" ASAP	Subscription in place. KCC to publish "Consumer Codes" ASAP		Will be publishing "Consumer Codes" ASAP	Will be publishing "Consumer Codes" ASAP
Sage					Indicated intent to publish	Indicated intent to publish



“Live” connection



Connection anticipated

25/30 connections are active

Full connectivity anticipated by 9/15

GS1 Global Registry Statistics

Detailed Report as of September 3, 2010



	TOTALS	1SYNC ¹	SA2 Worldsync (Agentrics) ² (Sinfos) ³	GXS	GS1 UK	GS1 Columbia (CABASnet) ⁴	Big Hammer	Commport
Active Data Pools	23	1	1	1	1	1	1	1
Trading Partner GLNs	24,757	8,528	2,167	4	568	4,983	973	167
Retailers	384	215	42	2	9	4	11	4
Suppliers	24,373	8,313	2,125	2	559	4,979	962	163
Subscriptions Sent	860,669	646,673	2,118	7,200	333	971	192,744	189
Subscriptions Matched	686,716	512,773	1,548	64	360	310	158,475	326
Subscriptions Matched by Item	19,329,461	16,233,452	1,360,429	7	13,560	95,408	1,042,393	88,658
Recipient DP Subscription Matches	19,329,461	5,191,389	6,946,459	1,352,364	57,295	123,844	70,997	155,459
Registered Items (GTINs)	6,008,239	4,424,823	406,935	2	6,998	162,977	335,516	54,993
GTINs Coded with GPC	4,876,825							

81%

¹ 1SYNC Includes activity for: Transora, GS1 Netherlands (GS1 DAS), Canada

^{2,3} SA2 Worldsync includes activity for US, Switzerland, Germany, Austria, Russia, Poland, and Belgium & Luxembourg (CDB)

⁴ Cabasnet includes activity for: Peru, Columbia, Costa Rica, El Salvador, Honduras, Nicaragua, and Guatemala



Healthcare GDSN Performance Measures*

	TOTALS	1SYNC ¹	SA2 Worldsync (Agentrics) ² (Sinfos) ³	GXS	GS1 UK	GS1 Columbia (CABASnet) ⁴	Big Hammer	Commport	GS1 France (Parangon)	GS1 Spain (AECOC)	GS1 Australia (GS1net Australiasia) ⁶	GS1 Mexico (Syncfonia v1.0)	GS1 China (ANCCNET)	GHX Health ConneXion	GS1 Sweden (Validoo item Clarinet GDSN Connector)	GS1 Argentina (DataCod)
Active Data Pools	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Trading Partner GLNs	1,010	493	35	1	9	35	7	5	6	13	159	189	1	8	1	48
Registered Items (GTINs)	131,006	72,952	5,859	0	41	516	83	52	62	248	34,279	16,284	1	32	0	597
Device GTINs	17,117															
Pharmaceutical Drugs GTINs	4,231															
All other Healthcare GTINs (135)	109,658															
GTINs coded with GPC	131,006															
Total Target Markets	31															

¹ 1SYNC ^{2,3} SA2
Includes activity for:
Transora, Switzerland,
, GS1 Germany,
Netherlands, Austria,
Russia,
(GS1) Poland, and
DAS), Belgium &
Canada Luxembourg
(CDB)

⁴ Cabasnet includes
activity for: Peru,
Columbia, Costa Rica,
El Salvador, Honduras,
Nicaragua, and
Guatemala

⁶ GS1net Australiasia
includes activity for:
Australia and New
Zealand

*As of 7/26/10



GDSN Registered GTINs by Country*

Country	Number of GTINS
1 United States of America	63,118
2 Australia	34,719
3 Mexico	16,710
4 Netherlands	8,246
5 Canada	2,147
6 Great Britian	1,069
7 Germany	721
8 Argentina	658
9 New Zealand	623
10 Columbia	609
11 Spain	501
12 France	462
13 Puerto Rico	399
14 Belgium	293
15 Chile	199
16 Guatemala	88

Country	Number of GTINS
17 Brazil	79
18 Costa Rica	65
19 Slovakia	54
20 Peru	53
21 Sweden	49
22 Italy	37
23 Venezuala	35
24 Poland	28
25 Czech Republic	15
26 Russia	10
27 Thailand	7
28 Hungary	5
29 Afghanistan	4
30 Taiwan	2
31 <u>China</u>	<u>1</u>
Total	131,006

**As of 7/26/10*