



Global Data Synchronisation Network® (GDSN) Operating Roadmap for GS1

Version 7.1

(Updated to reflect 2009 Financial Model on 29 Oct 2008)

30 April 2008

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PURPOSE

The purpose of this document is to clarify and update previous version(s) (Version 7.0 April 2008 most recently) of the Global Data Synchronisation Network (GDSN) Roadmap and incorporate changes for the growth of the GDSN. Ongoing updates will be made as needed to support the community. This document will be maintained by GDSN, Inc. on the GS1 GDSN web site and will be reviewed annually by the GDSN Board of Directors.

1.1 BACKGROUND

The GS1 Global Registry®, as originally defined by the Global Commerce Initiative (GCI) vision, and now implemented as a GS1 standard, is the registry for Global Data Synchronisation. Ultimately, it is envisioned that GDSN will connect to the EPC Network to link the EPC number back to the item information via the GTIN. Other registries may join later to serve specific industries, geographical needs, or new types of master data alignment. GDSN access is restricted to GS1 Global Registry® subscribers.

1.2 SCOPE

This document outlines the operating components and financial model of the Global Data Synchronisation Network.

1.3 MISSION, GUIDELINES, PRINCIPLES AND RATIONALE

Global Data Synchronisation Network is a network of interoperable certified data pools that enable data synchronisation per GS1 System standards. GDSN enables the continuous harmonisation of data attribute values between two or more user systems resulting in data being the same, and hence, reliable, in the connected systems.

1. The GS1 Global Registry® is a global directory for item and party master data. Access to the GDSN and GR is limited to Data Pools (DPs) that are GDSN certified as being compliant within the GS1 System standards. Certification requirements are defined in the GDSN Certification Criteria Document, and the Certified Data Pool Services: Guideline for Standard and Non-Standard Services. These documents are available on the GDSN web site or upon request.
2. The GS1 Global Registry® is a component of the GDSN. It is designed and built as a centralized registry and operates under a single governance.
3. The GS1 GDSN Kato™ Data Pool is a component of GDSN, Inc. that functions to provide certification testing services to new and existing data pools to establish and maintain compliance with GS1 Standards as they relate to the GDSN. This standards-based data pool that originally went through the GDSN Certification

Process and now actually is used as the certifying data pool in the GDSN Certification Process.

4. The President, GS1 GDSN, Inc. manages and operates the GDSN and affiliated services and is responsible for the certification of DPs, and the business prioritization of standards that affect the GDSN (Board will have final vote on functionality).
5. GDSN outsources technology services to support the GDSN infrastructure. Currently GS1 US Technology Services Group is contracted to provide the GDSN service under a 3-year contract which has been extended into 2008. At the direction of the GDSN Board an RFP can be created at any time to consider other service providers in order to maintain lower costs of the network. The GS1 GDSN service will be both technically and commercially independent from any other application or service. All IP will be under the ownership of GS1 GDSN.
6. GS1 MOs may participate as a Certified Data Pool on a voluntary basis. Every GS1 Member Organisation (MO) and independent, certified data pool needs to uphold the vision of GDSN standards. As Data Pool service providers, they will need to successfully complete the GDSN certification process.
7. Prior to 2006, the financial model for the GDSN was based on end user retailer and manufacturer subscriptions to the GS1 Global Registry® Service. End users paid the GDSN fees directly to their respective Data Pools.

In October 2005, the GS1 GDSN, Inc Board of Directors approved a Data Pool funded financial model for GDSN. In December 2005, the Data Pool fees were confirmed. The new model took effect 1 January 2006, and remains in place for the entire calendar year. This model replaces the previous Trading Partner funded subscription model.

As a neutral, not-for-profit organisation, GS1 GDSN, Inc.'s fees are established on a cost-recovery basis. Fees for GDSN operations are payable annually and are based upon GS1 GDSN, Inc. operational costs.

8. Any organisation using GS1 system standards and engaging in electronic commerce is encouraged to adopt the GDSN Model and send communications to their trading partners to join the GDSN
9. The financial model principles reflect full transparency of incomes and costs. Incomes must be equal to costs plus a reasonable reserve of not more than 20%. The GS1, GDSN Inc. Board of Directors is responsible for reviewing the financial model annually and propose any necessary changes for subsequent years forward to comply with the financial model principle.

RATIONALE

1. Global retailers and manufacturers are using the GDSN for standardised synchronisation of item and party master data. There exists demand across a broader base of companies and industries for this service. These companies need a neutral, secure environment to choose a Data Pool to partner with and implement the Global Data Synchronisation Network.
2. Small Enterprises (SME) are starting to ask for this service. Global retailers are implementing global data alignment. They are asking all of their suppliers (including exporters from any country) to download their item and party information to their respective commercial data pools. SMEs will turn to certified data pools for their on-boarding, education, data alignment, and implementation services.
3. EPC requires Global Data Synchronisation for efficient operation. Major retailers and manufacturers are piloting EPC, and many more will do so 2008-2016. Users have told GS1 that to have an efficient EPC operation, Global Data Synchronisation is foundational. GS1 must be ready to support these initiatives.
4. This model is strategically right for GS1. It is aligned with our principles. It is user driven by both big companies and SMEs, it is managed and governed by GS1, resulting in reduced costs and added value to the supply chain.
5. This model is financially acceptable to both users and GS1. As result of this GDSN model, our users could avoid paying multiple fees to different Data Pools. The fees are global, transparent and factor the difference of operational costs in different countries.

2. GDSN BACKGROUND

2.1 GDSN Vision

The Global Data Synchronisation Network (GDSN) enables the continuous harmonization of data attribute values between two or more user systems with the end result being that the data attribute values are the same, and hence reliable, in all of the connected systems (refer to Exhibit section 7.1).

GDSN Basic Requirements:

- The synchronisation process must utilize the GS1 System standards
- The data exchanged must be compliant with these standards (or standard message extensions as with extended attribute support)
- The recipient must acknowledge the integration of the data
- Continuous updates of data must be applied

GDSN Participants:

- GDSN Certified Source Data Pools (this includes Trading Partners that elect to be their own Data Pool)
- GDSN Certified Recipient Data Pools (this includes Trading Partners that elect to be their own Data Pool)
- GDSN Certified Data Pool Customers (trading partners or users)
- The GS1 Global Registry®

GDSN Functionality includes:

- Enable and monitor technical interoperability within the Network through the certification of the DPs
- Support for registration of core basic item and party data registered in the GR to enable the uniqueness of item in the GDSN (*Note: In 2008, the GDSN Board will assess future need for registration*)
- Support for data sync beyond core item data (e.g. target market, relationship dependent data , price) among DPs and between respective trading partners
- Central copy of registered data subscriptions (*Note: In 2008, Board confirmed need for this, but not the optimal method*)
- Data Pools to be connected to the GR which serves as central directory (*Note: This is the current state, but in 2008 Board will assess optimal method for the future*)
- Mandatory use of GS1 System Standard Business Messages/ Validations
- Data source and recipients enter the network through a single point of entry (home DP); a trading partner may choose to use multiple DPs, but the single point of entry is the founding premise
- A standard global product classification method is used (GS1 Global Product Classification or GPC)

2.2 GDSN Infrastructure

The GDSN consists of certified interoperable Data Pools interconnected to provide users with two basic functions:

- Global publication and subscription to make available item, party and price data, and to offer a subscription facility to insure continuous synchronisation of master data

Data exchange between the Data Pools is facilitated by the GS1 Global Registry® that provides the following functions:

- Registration of Basic Item and Party data
- Enables global validation
- Serves as a central repository for subscriptions to registered data to facilitate movement of data within the Network

2.3 GS1 Global Registry®

GS1 has defined the role and function of the GS1 Global Registry®, within the GDSN. Listed below are summary definitions, more detailed definitions can be obtained in the GS1 Business Message Standards for Global Data Synchronisation. Existing Data Pool contracts will be modified with changes made within this document.

Role:

1. The GS1 Global Registry® is a global directory for the registration of items and parties.
2. The GS1 Global Registry® provides functions distinct from those provided by the data pools within the interoperable network.
3. The service provider organisation contracted to technically operate the GS1 Global Registry® is neutral and separate from the entities served. GS1 US (formerly UCC) Technology Services has been chosen as the service provider, under a three year agreement which will be extended into 2008 while GDSN, Inc. is evaluating service provider options.

Key features:

1. The access to and use of the GS1 Global Registry® is limited to Data Pools that are certified by GDSN, Inc. as compliant within the Global Data Synchronisation Network.
2. The GS1 Global Registry® will contain GS1 System standard-compliant data.
3. Maintenance of a registry of all registered items (GTIN), parties (GLN) and product classification (GPC) within the global supply chain to ensure the uniqueness of each GTIN and GLN record in the Network.
4. Provides a reference to the home data pool for more detailed information about the GTIN/GLN, including the routing of subscriptions to that data pool
5. Continual synchronisation of relevant Registry data with data pools.
6. Facilitation of publication-subscription matching process for targeted distribution of information within the Network.
7. Enables global data validation for standard attributes synchronized leveraging BMS and validation rules.

Functions:

1. Registration of Item and Party data:
 - Registration after successful validation in addition to Data Pool validation

- Registration Response with Success or Failure with error; (no warnings)
 - Enables publication by Data Pools after successful registration
 - Includes Data Status to reflect validation and registration status
 - Enables process maintenance for the item (add, change, discontinue/cancel, and correct). Note: Delete/purge actions are handled manually via Customer support to ensure the integrity of the item across the GDSN is maintained.
2. Enables Global Validation:
 - GS1 System standards validation for GTIN/GLN formats
 - Uniqueness validation for Item, Party and Certified Data Pool key
 - Store and maintain GS1 System standards produced through the GS1 Global Standards Management Process (GSMP)
 - Process validation command
 - Provide validation acknowledgement
 3. Serves as a central copy/repository for subscriptions to registered data to facilitate movement of data within the Network:
 - Receive and store subscriptions
 - Provide subscription acknowledgement
 - Matching process of subscriptions to destination Data Pools
 - Forward subscriptions to destination Data Pools

2.4 Global Product Classification

The Global Product Classification (GPC) is a key component of the GDSN. Trading partners need a common language to classify products consistently across the globe in order to enable global search (future), reference, positioning, category analysis and global data synchronisation. The GPC provides a standardised schema for a classification hierarchy. The current GPC classification schema covers 36 categories to include the following segments:

1. [Arts/Crafts/Needlework](#)
2. [Audio/Visual/Photography](#)
3. [Automotive - Light Application](#)
4. [Baby Care](#)
5. [Beauty/Personal Care/Hygiene](#)
6. [Building Products](#)
7. [Camping](#)
8. [Clothing](#)
9. [Communications](#)
10. [Computing](#)
11. [Electrical Supplies](#)
12. [Food/Beverage/Tobacco \(FBT\)](#)
13. [Footwear](#)
14. [Fuels](#)
15. [Healthcare](#)

16. Home Appliances
 17. Homecare
 18. Household Kitchen Merchandise
 19. Household/Office Furniture/Furnishings
 20. Lawn/Garden Supplies
 21. Live Animals
 22. Lubricants
 23. Music
 24. Personal Accessories
 25. Pet Care/Food
 26. Plumbing/Heating/Ventilation/Air Conditioning
 27. Safety Protection - DIY
 28. Safety/Security/Surveillance
 29. Sports Equipment
 30. Stationery/Occasional Supplies
 31. Textual/Printed/Reference Materials
 32. Tool Storage Workshop Aids
 33. Tools Equipment - Hand
 34. Tools Equipment - Power
 35. Toys/Games
 36. Cross Segment
- + Combined Published Schema [all 36 in one]

GPC is managed under GS1 GDSN, Inc. and it receives process support from GSMP. It is governed by the GPC Task Group. GS1 France is the current service provider responsible for technical support, maintenance and delivery of the GPC schema.

The GS1 user community is the 'owner' of the GPC. All current published GPC content is available without any usage restrictions. No additional contractual arrangement is necessary to use GPC.

GPC can be accessed via:

The <http://www.gs1.org/services/gsmg/kc/gpc/101207.html> . There is an online browser in 5 languages: <http://gpcbrowser.gs1.org/>

2.5 EPCglobal Network and GDSN Relationship

The GDSN provides for the synchronisation of static item data created by manufacturers, captured by the barcode, and shared/validated within the GDSN. The EPC Network enables the discovery, storage and security of dynamic data about items as they pass through the supply chain.

Responding to the user demand of the development of a Global Data Synchronisation Network (GDSN), GS1 envisions the creation of GDSN and EPCglobal linked networks.

This network would support the exchange of master data between partners of the global supply and demand chain. User demand will drive the requirements timeline for linkage.

The linked networks would be enhanced to connect the EPC number back to the Item information via the GTIN. By ensuring that the EPC structure includes the GTIN, this will enable current GS1 users to apply the EPC technology in a way that is compatible with their current GDS implementations.

3. Governance

It has been previously agreed by GS1 that:

- The governance of the GDSN standards is the responsibility of the GS1 GSMP with direction from GS1 GDSN Inc.
- The governance of operation of the GS1 Global Registry® is the responsibility of GDSN Board of Directors. The President of GS1 GDSN Inc. will lead and manage the GDSN business unit and day-to-day operations.
- The GDSN Board of Directors will work with the President, GDSN, Inc. to set the strategic direction for the Global Data Synchronisation Network (GDSN) and the GS1 Global Registry®.
- The governance of the pricing of the GS1 Global Registry® is the responsibility of the GDSN Board of Directors.
- The governance of the GDSN Implementation process is the responsibility of GDSN Board of Directors (or subcommittees) and the President, GDSN, Inc.

In order to ensure that the GS1 Global Registry® service meets the needs of the entire global community, GS1 has created a Board of Directors. The majority of the BOD should be end users assuring adequate global and multi-sector representation, as well as Member Organisation Chief Executive Officers and officers of independent (non-MO) data pools. The following are provisions for the Board of Directors:

- 1) The purpose of the Board of Directors is the following:
 - a) Oversight of the GS1 Global Registry® Programme
 - b) Assurance that the data pool fees are cost effective, globally applicable, and equitable
 - c) Make recommendations to the GS1 Management Board
 - d) Maintenance of industry Key Performance Indicators (KPI's) and scorecards
- 2) Board member term is to be three (3) years
- 3) One third (1/3) of the BOD will be elected each year with no limit on number of terms.

- 4) The proposed BOD member's company, including MOs, must be a member in good standing of the GDSN community
- 5) A member in good standing is defined as:
 - a) One who is current in its financial obligations to GDSN, Inc.
 - b) One whose company is utilizing, or is implementing plans to utilize, the GS1 Global Registry® in a production environment.
 - c) A Member Organisation or Independent (non-MO) Data Pool that is implementing plans to offer a GDSN-certified data pool service to the community.
 - d) One who is in compliance with the criteria defined in this GDSN Roadmap
- 6) Representation on the GDSN Board is as an individual (versus representing a company, industry sector or region). However, the Board member may be called upon to gather input from the region or company for representation at the Board. If the committee member leaves his/her company, they are deemed to have submitted their resignation from the GDSN Board. GDSN Board positions are not transferable to another individual within the company without Board concurrence.
- 7) The Chairman of the Board shall serve for a two (2) year term and may serve no more than two consecutive terms. It is anticipated that the Vice Chairman of the Board will succeed the Chairman at the end of his/her term or upon resignation.
- 8) The CEO of GS1 or an appointee will attend board meetings as non-voting observer.

4. Role

4.1 GS1 Member Organisations

GS1 Member Organisations can participate in the implementation and support of the GDSN in one or both of the following roles:

Local Marketing and Support Organisation Role

The Member Organisation would deliver a message on the value of the GS1 GDSN (and the Global Registry®), and the value of data synchronisation. A consistent approach to the implementation of the GS1 GDSN including communication, education and implementation is required. Provide education and encouragement to the local GS1 Members in adoption of the GS1 GDSN. As a result, this message would be crafted by GS1 GDSN Inc. with support from GS1 Global Office staff and the assistance of the GDSN community and tailored for the local community at the guidance of the member organisation.

Certified Data Pool Role

GS1 Member Organisations and other commercial entities may also operate certified data pools. Certified data pools will be responsible for enabling implementations for their users that subscribe to the GDSN philosophy and components. This means that these organisations will be standards compliant sources of both data and synchronisation services for their members and will need to interoperate with the GS1 Global Registry® and other certified data pools. Certification equals being compliant with the certification criteria and GS1 Systems Standards, and continuing that state of compliance. Participation as a certified data pool remains voluntary. Every GS1 MO must uphold the vision of GDSN and GDSN standards while operating a DP is voluntary. A list of current certified data pools is maintained on the GDSN web site.

GS1 Member Organisations are not required to sign a contract with the GDSN for Global Registry® unless their chosen role requires it.

4.2 Trading Partner User Companies

Trading Partner user companies participating in the Global Data Synchronisation Network (GDSN) utilising the GS1 Global Registry® will have the right to choose their certified Data Pool, based upon the value proposition of the data pool. Data pools may be commercial entities that operate in competition with, or as alternatives to, a Member Organisation data pool. Companies may also elect to be their own data pool provided that they are compliant with the GS1 System standards through the certification process. The intent is to provide the best value to the participants in the GDSN while taking costs out of the process. As a result, MO's who operate data pools and sell data pool services will not be entitled to make GR subscriptions and fees conditional on the use of their data pools.

GS1 GDSN users can synchronise data through the GS1 Global Registry® for internal traffic (users in the same Data Pool) and can use Data Pool to Data Pool connections for external traffic. Data Pools cannot register GTINs on the GS1 Global Registry® unless suppliers subscribe to the Global Registry® (Data Pools are not forced to register GTINs). Trading Partners accept the GS1 GDSN, Inc. Terms of Participation Agreement (formerly the GR Subscription Agreement) through their Data Pool as the service provider.

4.3 GS1

- Facilitates the cooperation between the GS1 GDSN Inc., the trading partner users, and the Member Organisations.

- GS1 will be responsible for support, promotion, and the expansion of the GDSN and future functionality of the linked GDS/EPC Networks.
- Manage the development of the GS1 System standards (GSMP) required for the application of the GDSN in its served industries.
- Facilitate and support the GDSN Inc. Board of Directors (see Governance).

4.4 Board of Directors

- Set the Strategic direction for the Global Data Synchronisation Network (GDSN) and the GS1 Global Registry®.
- Oversee the execution of the GDSN and the GR approved plan
- Ensure that the subscription fees are cost effective, globally applicable and equitable.
- Approve the company(ies) that will perform the Data Pool certification
- The following committees are formed:
 - Finance Committee – the finance committee’s mission is to support the President GDSN, Inc, and GS1 CFO to develop a 3-year (minimum) financial plan for the GDSN/GR that covers on-going operational cost, as well as funding for future enhancements to the GDSN Model.
 - Certification Committee – the certification committee’s mission is to support the President, GDSN, Inc, to improve upon the current data pool certification processes, and work to drive down the annual cost for conducting data pool GDSN interoperability certification events.
 - Data Pool Committee (formerly Data Pool Advisory Council) – the DPAC structure was changed in 2006 to become a committee with voting powers (as opposed to its former role as an advisory council). The group consists of representatives from the GDSN Certified Data Pools. An elected executive represents the DP Committee on the GDSN Board. The charter of this group is to identify and address DP-specific issues related to GDSN operations.
- The committees will consist of GS1 GDSN Inc. Board members only with the exception of the Data Pool Committee which has representation from all certified Data Pools. All of the committees will have a chair.
- The Committees will work outside of the scheduled BOD meetings.

5. Data Pool Certification

All Data Pools participating in the GDSN must be certified as interoperable with the GS1 Global Registry® and other certified data pools. The entity (Data Pool) that can receive GDSN Certification is a “Node of the Network”. Additionally, a Duplicate Data Pool may operate using unchanged code from a Full Matrix Certified Data Pool. A Duplicate Data Pool will be subject to a source code verification test following the Full Matrix Certification of the Data Pool source code provider. Their participating users must hold GS1 Global Registry® membership to use GS1 Global Registry® sourced data. This will enable the companies to trade their data with globally-based companies, as well as provide a means of maintaining integrity on the Global Trade Item Number (GTIN).

The fee structure outlined in this document incorporates the Certification Fees into the GS1 Global Registry® fee (for 2005), and the GS1 GDSN Data Pool fee (for 2006-2008). With this change, Data Pools who have participated in the October 2004 Certification Test will receive full refunds of their certification fees (if they were active GDSN participants) once the GDSN is profitable.

Each Data Pool offering such services is expected to underwrite the software development and of ensuring their service is compliant to include their internal certification process costs. A clear understanding of a service provider’s certification status and ability to support specific releases of the GS1 Global Registry® is essential. A Data Pool that passes the Interoperability Test cannot state or imply that they are “Active” GDSN Certified Data Pools unless they are synchronizing data using the GDSN and the GR. Data Pools mis-communicating messages regarding GDSN Certification will be subject to a Data Pool De-Certification Process. Refer to the “GDSN Certification Criteria Document” for additional certification criteria. This document is currently available on the GDSN web site or upon request to GDSN, Inc.

The GDSN Inc. Board of Directors, with direction from the President GDSN, has the responsibility of determining which certification service(s) will be used. This could include one global programme or several compliant local/regional programmes. This will include one global programme utilizing compliant regional solution providers to conduct the certification process at a fair cost to the GDSN.

6. Financial Model

6.1 Principles

The principles of the financial model are the following:

- Data Pools will pay for the service.

- The GDSN Inc. Board of Directors will be responsible for setting the fees applicable to data pools.
- The GDSN Inc. Board of Directors will be responsible for ensuring that the cost of the service and the data pool fees are cost effective, globally applicable and equitable.

The current financial model proposed by GS1 GDSN, Inc. is based upon the best assessment of the cost of the service in the market place and the demand forecast provided by Data Pools. The BOD will review the financial model annually to ensure compliance with the financial model principles.

6.2 User Fees and Data Pool Fees

Effective 1 Jan 2006, Trading Partners are no longer required to pay a subscription fee to GS1 GDSN, Inc. through their Data Pool in order to participate in the Global Data Synchronisation Network (“GDSN”) and access the GS1 Global Registry®. Fees for GS1 Global Registry® and GDSN operations are payable by Data Pools annually and are based upon GS1 GDSN, Inc. operational costs.

In October 2005, the GS1 GDSN, Inc Board of Directors approved a Data Pool funded financial model for GDSN. The new model took effect 1 January 2006. This model replaced the previous Trading Partner funded subscription model. The financial model is reviewed annually by the GDSN Board of Directors.

Trading Partners are no longer required to pay a subscription fee to GS1 GDSN, Inc. through their Data Pool in order to participate in the Global Data Synchronisation Network (“GDSN”) and access the GS1 Global Registry®. Data Pools retain the discretion whether or not to charge their Trading Partners, as well as how to allocate those costs across the Trading Partner members of their data pool.

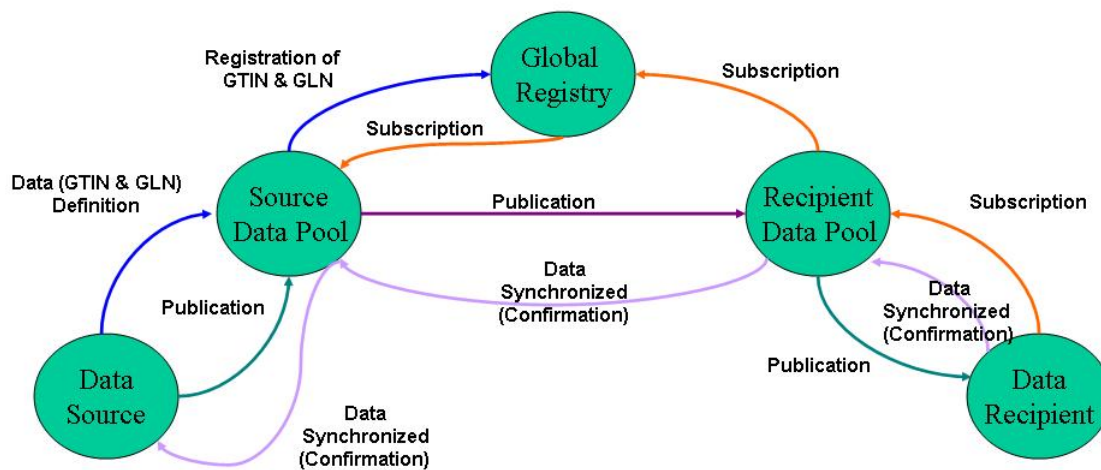
As a neutral, not-for-profit organisation, GS1 GDSN, Inc.'s fees are established on a cost-recovery basis. Fees for GDSN operations are payable annually and are based upon GS1 GDSN, Inc. operational costs. The collective fees from the certified Data Pool community will cover the total annual global operational costs of the GDSN to include: data pool support and certification; personnel salaries, travel; marketing; standards requirements gathering; GS1 Global Registry® hosting, development and maintenance.

The projected GDSN revenue is expected to cover operational costs for FY 2007-8 (Jul to Jun FY) and the first two quarters of FY 2008-9. Data Pool fees for 2008 are shown in **Exhibit 7.4** of this document. Fees for 2009 are shown in **Exhibit 7.5** of this document. Detail regarding the methodology supporting this pricing model can be obtained through GDSN, Inc. or in the annual pricing business bulletins.

7. Exhibits

7.1 Exhibit 1 – GDSN Diagram

The GDSN Business Flow



1

Exhibit 7.2 – 2006 Data Pool Fee Matrix (USD \$)

	Country	GDP Fee
Data Pools - Rest of World		
GS1 Colombia (CABASnet)	Colombia	10,000
GS1 Denmark	Denmark	10,000
GS1 Switzerland	Switzerland	10,000
GS1 Finland	Finland	10,000
GS1 Norway	Norway	10,000
GS1 Venezuela (Sincronet)	Venezuela	10,000
GS1 Hong Kong	Hong Kong	10,000
GS1 Slovakia	Slovakia	10,000
GS1 MEMA	Malta	10,000
GS1 Netherlands	Netherlands	15,247
GS1 Argentina (Data.Cod)	Argentina	15,323
GS1 Taiwan	Taiwan	18,261
GS1 Australia	Australia	19,386
GS1 Spain	Spain	29,715
GS1 Canada (ECCCnet)	Canada	32,421
Commport Communications	Canada	32,421
GS1 Russia	Russia	44,623
GS1 France (Parangon)	France	55,050
GS1 UK (eCentre)	UK	56,476
SUBTOTAL		408,925
Data Pools - US		
GS1 US (1SYNC)	US	1,200,000
Big Hammer Data Services (RR Group)	US	175,000
ClickCommerce	US	175,000
GXS	US	600,000
Inovis	US	175,000
Sterling Commerce GDP	US	175,000
VISZERA (logix 3)	US	175,000
Agentrics (WWRE+GNX)	US	600,000
SUBTOTAL		3,275,000
Service Providers		
SINFOS		\$175,000
Soft Solutions		\$175,000
ParaRede		\$175,000
SUBTOTAL		\$525,000
TOTALS		\$4,208,925

Note: The projected revenue above does not represent anticipated risk to the revenue plan. GDSN Inc. anticipates collecting \$3.9M of the \$4.2M billable shown above.

Exhibit 7.3 – 2007 Data Pool Fee Matrix (USD \$)

Data Pool	Country	2007 Fee (USD)	Comments
GS1 Colombia (CABASnet)	Multiple	\$10,500	7 countries in LA
GS1 Switzerland	Switzerland	\$10,500	Powered by Agentrics
GS1 Venezuela (Sincronet)	Venezuela	\$10,500	
GS1 Hong Kong	Hong Kong	\$10,500	
GS1 Slovakia	Slovakia	\$10,500	
GS1 MEMA	Multiple	\$10,500	11 countries in MEMA
GS1 Netherlands	Netherlands	\$16,009	Powered by 1SYNC
GS1 Argentina (Data.Cod)	Argentina	\$16,089	
GS1 Taiwan	Taiwan	\$19,174	
GS1 Australia	Australia	\$20,355	
GS1 Spain	Spain	\$15,601	
KOEB	Korea	\$20,000	
GS1 Mexico	Mexico	\$20,000	
GS1 Canada (ECCCnet)	Canada	\$34,042	
Commport Communications	Canada	\$34,042	
GS1 Russia	Russia	\$26,250	
GS1 France (Parangon)	France	\$57,803	
GS1 UK	UK	\$59,300	
UDEX	UK	\$59,300	
SINFOS	Multiple	\$183,750	
GS1 US (1SYNC)	US	\$1,260,000	
Big Hammer Data Services (Edgenet)	US	\$183,750	
GXS	US	\$630,000	
Sterling Commerce GDP	US	\$183,750	
Agentrics	US	\$630,000	
TOTAL		\$3,532,215	
Indicates new DP in 2006 certification event; live in 2007			

Exhibit 7.4 – 2008 Data Pool Fee Matrix (\$USD)

Data Pool	Country		Gross Rev. (1)	Countries in GDP Range (3)					2008 Fees (Gross Rev) USD
				A	B	C	D	E	
				EUR					
GS1 Argentina (Data.Cod)	Argentina		1,485,497						12,000
GS1 Australia	Regional		9,896,178						25,444
GS1 Colombia (CABASnet)	Regional		4,028,096						13,125
GS1 Denmark	Denmark	SINFOS	1,777,517						12,000
GS1 Estonia	Estonia	SINFOS	277,088						12,000
GS1 Finland	Finland	SINFOS	1,455,201						12,000
GS1 France (Parangon)	France		8,803,376						53,678
GS1 Hong Kong	Hong Kong		2,116,015						12,902
GS1 Ireland	Ireland	SINFOS	1,068,356						12,000
GS1 MEMA	Regional		6,841,137						13,125
GS1 Mexico	Mexico		5,557,178						25,000
GS1 Netherlands	Netherlands	1SYNC	8,088,176						20,012
GS1 Romania	Romania	SINFOS	809,039						12,000
GS1 Slovakia	Slovakia		549,298						12,000
GS1 Spain	Spain		5,858,811						35,724
GS1 Taiwan	Taiwan		2,964,642						18,077
GS1 UK	UK		7,856,769						47,906
GS1 Venezuela (Sincronet)	Venezuela		761,535						12,000
GS1 Sweden	Sweden		4,274,478						26,063
GS1 Hungary	Hungary		811,954						12,000
GS1 Greece	Greece		2,974,338						18,136
GS1 China	China		5,314,677						32,406
GS1 Croatia	Croatia		620,710						12,000
GS1 Belgium/Luxembourg	Belgium		2,119,724						12,925
SUBTOTAL MO DATA POOLS			86,309,790						474,524
GS1 US (1SYNC)	US/Canada		58,079,476						1,345,789
KOEB	Korea			1					25,000
EPIPOLI	Italy				1				100,000
Big Hammer Data Services	US							1	229,688
Commport Communications	Canada			1					35,000
Agentrics	US/Switz.			1				1	635,000
SINFOS	Regional			3	1				205,000
SUBTOTAL INDEPENDENT DP's									1,229,688
GXS									250,000
SUBTOTAL SOLUTION PROV.									250,000
TOTALS			144,389,266						\$3,300,000

Indicates new DP to certify in 2008

(1) Gross Revenue = MO Financial Strength	
(2) World bank 2005 data	
(3) Independent Data Pool Fees per country in range:	
A) 0 < GDP < \$ 1,500,000	35,000
B) \$ 1,500,001 < GDP < \$ 3,000,000	100,000
C) \$ 3,000,001 < GDP < \$ 6,000,000	200,000
D) \$ 6,000,001 < GDP < \$ 10,000,000	300,000
E) \$ 10,000,001 < GDP	600,000

Exhibit 7.5 – 2009 Data Pool Fee Matrix (USD\$)

Data Pool	Country	Gross Rev. (1)	Countries in GDP Range (3)					2008 Baseline USD	2009 Fees (New Calc.) USD
			A	B	C	D	E		
			EUR						
GS1 Argentina (Data.Cod)	Argentina	1,532,939						12,000	10,000
GS1 Australia	Regional	10,948,442						25,444	26,716
GS1 Belgium/Luxembourg	Belgium	2,130,861						12,925	10,000
GS1 China	China	5,062,239						32,406	14,786
GS1 Colombia (CABASnet)	Regional	4,153,908						13,125	12,133
GS1 Croatia	Croatia	659,409						12,000	10,000
GS1 Denmark	Denmark	1,879,247						6,000	10,000
GS1 France (Parangon)	France	9,891,915						53,678	28,892
GS1 Hong Kong	Hong Kong	2,020,234						12,902	10,000
GS1 Hungary	Hungary	1,040,706						12,000	10,000
GS1 Ireland	Ireland	1,152,253						0	10,000
GS1 MEMA	Regional	1,836,958						13,125	10,000
GS1 Mexico	Mexico	6,273,967						25,000	18,325
GS1 Netherlands	Netherlands	8,498,925						20,012	21,012
GS1 Slovakia	Slovakia	544,005						12,000	10,000
GS1 Spain	Spain	6,260,846						35,724	18,287
GS1 Sweden	Sweden	4,253,362						12,000	12,423
GS1 Taiwan	Taiwan	2,941,355						18,077	10,000
GS1 UK	UK	7,645,834						47,906	22,332
SUBTOTAL MO DATA POOLS		78,727,405						376,324	274,907
GS1 US (1SYNC)	US/Canada	46,789,796						1,345,789	942,052
KOEB	Korea		1					25,000	10,000
Big Hammer Data Services	US						1	229,688	175,000
Commport Communications	Canada		1					35,000	10,000
SA2	Regional							500,000	500,000
SUBTOTAL INDEPENDENT DP's								789,688	695,000
GXS								250,000	175,000
SUBTOTAL SOLUTION PROV.								250,000	175,000
TOTALS		125,517,201						\$2,761,801	\$2,086,959

Indicates new DP to certify in 2008

(1) Gross Revenue = MO Financial Strength

(2) World bank 2006 data

(3) Independent Data Pool Fees per country in range:

A) 0 < GDP < \$ 1,500,000	10,000
B) \$ 1,500,001 < GDP < \$ 3,000,000	25,000
C) \$ 3,000,001 < GDP < \$ 6,000,000	50,000
D) \$ 6,000,001 < GDP < \$ 10,000,000	100,000
E) \$ 10,000,001 < GDP	175,000