Change of Data Pool Service Provider Policy

Transferring a trading partner from one data pool service provider to another in the GDSN and GS1 Global Registry

Release 4.0, Final, February 2018

Document Summary

Document Item	Current Value
Document Name	Change of Data Pool Service Provider Policy
Document Date	27 February 2018
Document Version	4.03.0
Document Issue	
Document Status	Final
Document Description	Transferring a trading partner from one data pool service provider to another in the GDSN and GS1 Global Registry

Contributors

Name	Organisation
GS1 GDSN Operational and Technology Advisory Group (OTAG)	GS1

Log of Changes

Release	Date of Change	Changed By	Summary of Change
0.01	02/22/2007	Sean Lockhead	Creation of Document
0.02	03/05/2007	Sean Lockhead	Update of Use Cases
0.03	03/25/2007	Sean Lockhead	Update from 3/14 Teleconference
0.04	03/28/2007	Sean Lockhead	Update from 3/28 Teleconference
0.05	04/11/2007	Sean Lockhead	Updated from 4/11/07 Teleconference ; Section 3.5
0.06	04/19/2007	Sean Lockhead	Updated from GSMP Series Meeting
1.0	05/16/2007	Sean Lockhead	Public Review Complete – Version 1.0 Final
1.0.1	03/05/2008	Sean Lockhead	Update to Sec 3.3 "may" to "must"; Step 3 in Section 5
1.1	10/24/2012	Sean Lockhead	Update as part of business manual update. Update Section 6.1. Deleted Section 6.3.
1.2	06/22/2015	Susie McIntosh-Hinson	Update language to clarify Section 3; and Section 5 as approved by GS1 Data Excellence Management
3.0	June 2015	David Buckley	Final release version, new branding applied
4.0	February 2018	Susie McIntosh-Hinson	Eliminate prerequisite for resolution of all contract, services and payment issues between the Trading Partner and existing DP.

Disclaimer

GS1 retains the right to make changes to this document at any time, without notice.

GS1 and the GS1 logo are registered trademarks of GS1 AISBL.

Table of Contents

1 Executive Summary

1.1 Introduction

With strong commitment to the vision and principles of Global Data Synchronisation, it is the intention of this document to outline a process by which a Trading Partner (Source or Recipient) may transfer services related to participation in the GDSN from one GDSN Certified Data Pool to another.

There is currently no GDSN messaging which supports this process, it is a manual effort and must be accomplished using the coordinated activities of the trading partner(s), existing and intended data pools, the GDSN Development Group and the GDSN Customer Support Group.

In as much as this is a manual effort, it is imperative to maintain cooperative communications between all parties.

The document is broken down into affected areas to provide a simple, yet easy method of accomplishing the transfer.

2 Affected Systems and Processes

2.1 Global Registry

This process identifies impacts to Party Registration, Registry Catalogue Item (RCI) Registration, Catalogue Item Subscription (CIS) registration, Request for Catalogue Item Notification (RFCIN) processing, the subscription notification system, and the change or correction messaging.

2.2 Source Data Pool Processes

2.2.1 GLN Registration

The registered GLN will need to be updated in the Global Registry and within the GDSN to reflect the new data pool service provider associated with the trading partner.   The only currently defined process regarding this is a purge of the GLN from the Registry. This is to be accomplished through the GDSN Customer Support and GDSN Development groups. The new data pool would need to register the GLN in the GS1 Global Registry. The purge and re-registration process for the GLN would constitute a large part of the logistical process for changing Data pools.

2.2.2 Registry Catalogue Items (RCI's)

The Registry Catalogue Items that are registered in the GS1 Global Registry (Global Registry) must show the proper data pool as being the data pool of record in the Global Registry. There are existing validations that ensure that only the data pool of record can communicate messages that can change, correct, or delete information in the Global Registry. By establishing the new data pool of record, functionality such as Global Registry Subscription matching process can correctly identify which data pool should receive the proper matching subscriptions.

2.2.3 Source Data Pool (SDP) Synchronisation List

Affected data pools throughout the GDSN must update their sync lists to reflect the GLN transfer within their own applications. It is recommended that all existing data synchronisations between affected parties be stopped.   By stopping the synchronisations in the GDSN, the re-establishment of the synchronisation should be allowable for the new data pool. This will ensure the integrity of for the communication of updated information as updates occur.

2.3 Recipient Data Pool Processes

2.3.1 Catalogue Item Subscriptions (Subscriptions)

Once a trading partner has been transferred (purged / reregistered) to a new data pool, subscriptions must be updated throughout the GDSN. The only currently defined process regarding this is a purge of the GLN's contents, including subscriptions from the Global Registry. This is to be accomplished through the GDSN Customer Support and GDSN Development groups.

2.3.2 Recipient Data Pool (RDP) Synchronisation List

Although an RDP Synchronisation list is optional functionality in the GDSN, it is known that the functionality is widely implemented. Affected data pools throughout the GDSN must update their sync lists to reflect the GLN transfer within their own applications. It is recommended that all existing data synchronizations between affected parties be stopped. By stopping the synchronisations in the GDSN, the re-establishment of the synchronisation should be allowable for the new data pool. This will ensure the integrity of for the communication of updated information as updates occur.

2.4 Trading Partner

This process identifies impacts to the usability and business process (learning new UI or M2M system to continue business processes during transition), relationship with MO, and the relationship with data pool service provider.

3 Transfer Process

3.1 Contract Implications

There are typically existing contracts in place between the Trading Partner and the Data Pools. In some cases, there may be multiple contracts in place simultaneously.

The Trading Partner shall ensure that all contract, service and payment issues with the existing data pool are coordinated before proceeding with the change of Data pool Service Provider.

These processes are out of the scope of the GDSN facilitation of the change of the Data Pool Service provider.

3.2 Change Request

The request must be made in writing by the initiating trading partner to their existing data pool with the new intended data pool on copy. It is then the new intended data pool's responsibility to receive the written request from the trading partner, and then communicate it to GDSN Support with all parties on copy. The interaction should be between the Data pools and the GDSN Customer Support Group. All of the affected participants, including both existing and the intended data pools are copied on the communications to insure the notification of an approved request for the transfer.

As part of the process, the existing data pool may be required to stop all current data synchronization within the GDSN for the trading partner. This should be done using the existing messages and processes defined in the most current Catalogue Item Synchronisation Business Message Standard.

The GDSN Customer Support Group will then issue a Remedy ticket to initiate the Trading Partner GLN purge from the Party Registry. The GDSN Customer Support Group will complete the purge within 14 calendar days from receipt of the notification.

3.2.1 Data Source

If the trading partner is a Data Source (manufacturer, supplier or responsible for the item registration) and has registered GTIN data in the Global Registry, it may be purged at that time as well. If there is no registered item data there will be no item purge required.

3.2.2 Data Recipient

If the trading partner is a retailer or data recipient within the GDSN, after the successful party registration, the newly intended data pool should process new subscription registration messages from the trading partner. This is required to re-establish subscription.

In addition, the Global Registry would need to generate 2 reports that detail exactly all the information of all of the impacted subscriptions for integration purposes.

The first report would be sent to the Data pool that maintains the existing subscriptions before the subscriptions are deleted by the Recipient Data pool.

The second report would be sent to the Data pool is re-registering subscriptions after the subscriptions are registered by the Recipient Data pool.

Note: It is critical that the new Data pool would have the same information loaded into their systems as in the Global Registry to ensure data integrity in the GDSN.

3.3 GLN Registration

Once notified of the successful purge of party information, any necessary item data purge and ceasing of data synchronization, the intended data pool will register the trading partner GLN in the Global registry. Successful registration of the new relationship will be communicated to the GDSN members in the next applicable party dump message.

3.4 Item Registration

If the trading partner is a manufacturer, supplier or responsible for the item registration and has registered GTIN data in the Global Registry, after the successful party registration message, the intended data pool should process item registration messages from the trading partner, if applicable, in order to re-register the previously purged data.

3.5 Subscriptions Registration

If the trading partner is a data recipient within the GDSN, any subscription information which has been registered with the Global Registry will need to be deleted in the Global Registry and reregistered by the new Data pool as the data pool of registration for that particular set of catalogue item subscriptions.

Note: It would be critical that the new Data pool would have the same information loaded into their systems as in the Global Registry to ensure data integrity in the GDSN.

The GDSN community would prefer messaging that occurs within the GDSN, while minimizing the "out of network" messaging and processing.

It is understood that this will result in potential high volumes but it is viewed as a better alternative than manual processes.

3.6 Synchronisation List

Affected data pools throughout the GDSN must update their sync lists to reflect the GLN transfer within their own applications. There is no GDSN supported method currently available as a guide to data pools in this effort. It is outside the scope of the GDSN due to all the differences in the way that individual data pools maintain the sync list data.

At a minimum, the sync list information must reflect the trading partner change in the data pool provider information.

4 Issue Resolution

The ability of a trading partner to change data pool service providers in the GDSN involves several processes and also involves several parties (Trading Partner, Existing Data Pool provider, New Data Pool provider, GDSN Support, Global Registry Development).

If there are objections, it is imperative that the parties involved to work towards a mutually agreeable and amicable resolution. In order to facilitate issue resolutions, issues should be forwarded to GDSN for intervention and resolution.

GDSN will make every attempt to resolve any outstanding issues, however, contract, service and payment issues between the Trading Partner and the existing data pool are out of the scope of the GDSN facilitation of the change of Data Pool Service Providers.

5 Process Flow

Change of Data Pool Service Provider

1. Trading Partner communicates with existing Data Pool, intended new Data Pool and GDSN Customer Support establishing a preliminary relationship and desire to change data pool service providers.

2. A Change of Data Pool service provider request must be made in writing by the initiating trading partner to their existing data pool with the new intended data pool on copy. It is then the intended new data pool's responsibility to receive the written request from the trading partner, and then communicate it to GDSN Support with the existing data pool on copy. The interaction should be between GDSN Support and the GDSN Support Group. All of the affected participants, including both existing and the intended data pools are copied on the communications to ensure the notification of an approved request for the transfer.

3. If the trading partner is a data source, typically a manufacturer, the GDSN requirement would be that all of the existing synchronizations be stopped within the GDSN, using existing messaging standards. This is to ensure data integrity within the network. This should be accomplished through the Publication Delete processes. If the trading partner has registered Registry Catalogue Item data in the Global Registry, it will be purged at that time as well. If there is no registered item data there will be no item purge required.

4. Data Recipient: If the trading partner is a retailer or data recipient within the GDSN, after the successful party registration, the newly intended data pool should process new subscription registration messages from the trading partner. This is required to re-establish subscription.

    a. In addition, the Global Registry would need to generate 2 reports that detail exactly all the information of all of the impacted subscriptions for integration purposes.

        i. The first report would be sent to the Data pool that maintains the existing subscriptions before the subscriptions are deleted by the Recipient Data pool.

        ii. The second report would be sent to the Data pool is re-registering subscriptions after the subscriptions are registered by the Recipient Data pool.

5. After the specific purges are successfully completed, the new data pool will be able to register the GLN of the trading partner to the Global Registry. That information will be communicated to all network members through the next available party dump message and will identify the new trading partner / data pool relationship.

6. After successful registration, the trading partner and the intended data pool can then register RCI's, register subscriptions, process RFCIN's and communicate data synchronization information (Catalogue Item Notifications and Catalogue Item Confirmations with the rest of the GDSN community.

6 Implementation Considerations

6.1 Flood of Previously Received Information

It is possible that the Recipient Data Pool will receive a new set of CIN's from the Source Data pool after the items are registered and published by the Data Source on the new Source Data Pool. The ability of a Source Data Pool to only updates their synch list to reflect the change, but not send a new CIN is viewed as a 'value-add' that the data pools can perform on behalf of their trading partners.

6.2 Source Data Pool Updates

All source data pools must also update their pub/sub match information with the new information.