



GDSN Healthcare Use Cases

Release 3, Version 1, July 2014



Document Summary

Document Item	Current Value
Document Title	GDSN Healthcare Use Cases
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Status	Final
Document Description	This document contains GDSN Use Cases for healthcare applications which bring value to the end user.

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Log of Changes in Issue 1

Issue No.	Date of Change	Changed By	Summary of Change
Draft 1	8 July 2011	Pete Alvarez	Initial draft form individual input from the group
Draft 2	19 July 2011	Group	Group review and input
Draft 3	4 August 2011	Group	Group review and input
D 4 – 8	20 September 2011	Group	Continued review and refinement of Use Cases
D 9	21 October	Pete Alvarez	Addition of UDI as a Use Case
D10	31 October 2011	Group	Refinement of UDI Use Case including addition of Alternative Scenario 2 Initial definition of the Patient Safety Use Case
D11	13 December	Group	Refinement of the Patient Safety UC
D12 and 13	13 January	Pete Alvarez, Scott Brown, and Steve Robba	Review and refinement of the data requirements

Issue No.	Date of Change	Changed By	Summary of Change
D14	21 February	Group	Group discussion regarding the scope of UC9, Medicine Dispensing (Patient Safety) and data requirements. Group agreement to proceed to community with the other Use Cases and continue to work on UC9
Release 1	7 May 2012	Community Review	Edits from the April Community Review
Release 2	20 January 2014	Pete Alvarez	Added Medicine Dispensing and Safety Use Case
Release 3	July 2014	Pete Alvarez Marine Wery (GS1)	Added specific GDSN Medical Device attributes to each Use Case per the Global GDSN Implementation Harmonization analysis.

Disclaimer

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1. Introduction

This document contains specific GDSN Use Cases which can bring significant value for both the supplier and the provider while improving patient safety. The objective is to enable the efficient exchange of accurate and complete product information across the healthcare value chain to fulfill specific needs. The exchange of information is facilitated by the use of the Global Data Synchronization Network (GDSN), Certified Data Pools and the GS1 Global Registry to ensure that the customer's database is aligned and current with the manufacturer, as the source of the information.

The Use Cases contained in this document have been tested by existing implementations or validation with GS1 Healthcare User Groups.

2. Use Cases

The Use Cases contained in this document are designed to encourage consistent data synchronization practices. Trading partners must have already allocated GTINs to the products for which they want to synchronize data and GLNs to identify each other. Some Use Cases may require the physical marking of the product. Therefore, the steps required to assign GTINs and GLNs are found in the appropriate implementation guides and not in this document.

Each use case contains the basic data requirements needed to achieve the objective of each use case. Refer to the Additional Requirements section of this document for further information.

2.1. Tendering/Sourcing

Use Case ID	UC-1
Use Case Name	Tendering / Sourcing
Objective	Ensure the supplier provides the buyer accurate and standardized data as part of the tender submission, and that the buyer can subsequently source the correct product at the correct level of packaging.
Use Case Description	Generally, tender data is collected by different buyers / jurisdictions using different mechanisms. This may be proprietary spreadsheets or in hard copy format. The lack of clear direction and inconsistency in instruction leads to poor quality tender submissions and inability for buyers to source the appropriate products at the appropriate pack size.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>

Use Case ID	UC-1																											
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization • An agreement has been made that GDSN data will provide the foundation for tender submission and sourcing decisions. 																											
Post conditions	Accurate tender and sourcing information is provided to the customer and available in the recipient's internal system for tendering																											
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 800 1466 1394"> <thead> <tr> <th data-bbox="451 800 573 842">Step #</th> <th data-bbox="573 800 813 842">Actor</th> <th data-bbox="813 800 1466 842">Activity Step</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 842 573 890">1</td> <td data-bbox="573 842 813 890">Seller</td> <td data-bbox="813 842 1466 890">Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td data-bbox="451 890 573 959">2</td> <td data-bbox="573 890 813 959">Source Data Pool</td> <td data-bbox="813 890 1466 959">A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td data-bbox="451 959 573 1031">3</td> <td data-bbox="573 959 813 1031">Buyer</td> <td data-bbox="813 959 1466 1031">The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td data-bbox="451 1031 573 1102">4</td> <td data-bbox="573 1031 813 1102">GS1 Global Registry</td> <td data-bbox="813 1031 1466 1102">Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td data-bbox="451 1102 573 1150">5</td> <td data-bbox="573 1102 813 1150">Seller</td> <td data-bbox="813 1102 1466 1150">Authorizes the publication of the requested information</td> </tr> <tr> <td data-bbox="451 1150 573 1222">6</td> <td data-bbox="573 1150 813 1222">Source Data Pool</td> <td data-bbox="813 1150 1466 1222">The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td data-bbox="451 1222 573 1293">7</td> <td data-bbox="573 1222 813 1293">Recipient Data Pool</td> <td data-bbox="813 1222 1466 1293">The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td data-bbox="451 1293 573 1394">8</td> <td data-bbox="573 1293 813 1394">Data Recipient</td> <td data-bbox="813 1293 1466 1394">The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) utilizes the tendering and sourcing data into their internal system to</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-1
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item Supplier 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with order Lead Time 14. Additional Classification Category Name 15. Additional Classification Category Description 16. Brand Owner 17. Name Of Brand Owner 18. Minimum Trade Item Lifespan From Time Of Arrival 19. Minimum Trade Item Lifespan From Time Of Production 20. Bar Code Type 21. Target Market Country Code 22. Name Of Manufacturer 23. Description Short 24. Sub Brand 25. Functional Name 26. Variant 27. Community Visibility Date Time 28. Start Availability Date Time 29. Consumer Availability Date Time 30. Final batch Expiry Date 31. First Order Date 32. Publication Date 33. Quantity of Next Lower Level Trade Item 34. Is Trade Item A Base Unit 35. Colour Code Value 36. Colour Code Description 37. Is Trade Item A Consumer Unit 38. Is Trade Item A Variable Unit 39. Is Trade Item An Invoice Unit 40. Is Health Care Item 41. Countable Items C1D1 42. Healthcare Component Type C1 43. Medicine Device Unit Name C1D1 44. Volume Weight Amount C1D1 45. Volume Weight Unit C1D1 46. No Of Identical Medicine Containers Or Devices

Use Case ID	UC-1
	<p>47. Handling Instructions Code</p> <p>48. Order Quantity Minimum</p> <p>49. Selling Unit Of Measure</p> <p>50. Is Trade Item Marked As Recyclable</p> <p>51. Is Packaging Marked Returnable</p> <p>52. Trade Item Group Identification Description</p> <p>53. Trade Item Group Identification Code</p> <p>54. Trade Item Trade Channel</p> <p>55. Language Specific Brand Name</p> <p>56. Replaced Trade Item</p> <p>57. Cancelled Date</p> <p>58. Tax Agency Code</p> <p>59. Tax Rate</p> <p>60. Tax Type Code</p> <p>61. Tax Type Description</p> <p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and the United States: Trade Item Unit Descriptor</p> <p>Specific to Australia, France, New Zealand and United States:</p> <ol style="list-style-type: none"> 1. Publication Date 2. Is Trade Item Marked as Recyclable <p>Specific to Australia, Canada, France, New Zealand: Description Short</p> <p>Specific to Australia, Canada and France : Child Trade Item</p> <p>Specific to Australia, France and New Zealand :</p> <ol style="list-style-type: none"> 1. Sub Brand 2. Variant 3. Community Visibility Date Time 4. Consumer Availability Date Time 5. First Order Date 6. Color Code Value 7. Color Code Description 8. Handling Instructions Code 9. Order Quantity Minimum 10. Selling Unit Of Measure 11. Trade Item Group Identification Description 12. Trade Item Group Identification Code <p>Specific to Australia and New Zealand :</p> <ol style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Final Batch Expiry Date 4. Is Healthcare Item 5. Countable Items 6. Healthcare Component Type 7. Medicine Device Unit Name 8. Volume Weight Amount 9. Volume Weight Unit 10. No Of Identical Medicine Containers or Devices <p>Specific to Australia and France:</p> <ol style="list-style-type: none"> 1. Quantity of Next Lower Level Trade Item 2. Tax Agency Code 3. Tax Rate 4. Tax Type Code 5. Tax Type Description

Use Case ID	UC-1
	<p>Specific to Canada, France and United States :</p> <ol style="list-style-type: none"> 1. Name of Information Provider 2. Additional Classification Category Name 3. Brand Owner 4. Name of Brand Owner <p>Specific to Canada and France :</p> <ol style="list-style-type: none"> 1. Trade Item Trade Channel 2. Replaced Item 3. Cancelled Date <p>Specific to France and United States:</p> <ol style="list-style-type: none"> 1. Classification Category Code 2. Total Quantity of Next Lower Level Trade Item 3. Minimum Trade Item Lifespan From Time of Arrival 4. Minimum Trade Item Lifespan from Time of Production 5. Bar Code Type 6. Start Availability Date Time <p>Specific to Canada: Language Specific Brand Name</p> <p>GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version</p> <ol style="list-style-type: none"> 1. Bracket Operator 2. Bracket Qualifier Code 3. Bracket Tier Maximum 4. Bracket Tier Minimum 5. Distribution Method Code 6. Price Type Effective End Date 7. Price Type Effective End Date Context 8. Price Type Effective Start Date 9. Price Type Effective Start Date Context 10. Party Receiving Private Data 11. Price Type Last Changed Date Time 12. Price Action Code 13. Price Type Application Sequence 14. Price Basis Quantity 15. Price Type Code 16. Item Price Type Segment Identification 17. Price Type Description 18. Price Value 19. Price Value Type 20. Price Action Reason Code 21. Reference Document Description 22. Reference Document Identifier

Use Case ID	UC-1
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 2. (Insert Related Rule here)

2.2. Contracting

Use Case ID	UC-2
Use Case Name	Contracting
Objective	Ensure the customer has accurate and complete product data to enable a fair and appropriate contracting decision to be made.
Use Case Description	Very often customers lack consistent information required to make appropriate and detailed contracting decisions, for example it is difficult to make an informed contracting decision if data from different suppliers has been provided in different formats / structures (refer Use Case 2.1 above).
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization • An agreement is in place that allows for contracting decisions to be made based on GDSN data.
Post conditions	Accurate and complete product and price information is provided to the customer and available in their internal system for contracting decisions.

Use Case ID	UC-2																											
Scenario	<p>Begins when... the manufacturer records the appropriate product data needed by this specific Use Case in their internal Master Data Management system.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 386 1425 980"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) utilizes the product and price data into their internal system to enable informed contracting decisions.</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-2
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item Supplier 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with order Lead Time 14. Additional Classification Category Name 15. Additional Classification Category Description 16. Brand Owner 17. Name Of Brand Owner 18. Contract reference number 19. Bar Code Type 20. Target Market Country Code 21. Name Of Manufacturer 22. Description Short 23. Sub Brand 24. Functional Name 25. Variant 26. Community Visibility Date Time 27. Consumer Availability Date Time 28. First Order Date 29. Publication Date 30. Quantity of Next Lower Level Trade Item 31. Is Trade Item A Base Unit 32. Colour Code Value 33. Colour Code Description 34. Is Trade Item A Consumer Unit 35. Is Trade Item A Variable Unit 36. Is Trade Item An Invoice Unit 37. Is HealthCare Item 38. Countable Items C1D1 39. Healthcare Component Type C1 40. Medicine Device Unit Name C1D1 41. Volume Weight Amount C1D1 42. Volume Weight Unit C1D1 43. No Of Identical Medicine Containers Or Devices C1 44. Handling Instructions Code 45. Order Quantity Minimum 46. Selling Unit Of Measure

Use Case ID	UC-2
	<ul style="list-style-type: none"> 47. Trade Item Group Identification Description 48. Trade Item Group Identification Code 49. Trade Item Trade Channel 50. Language Specific Brand Name 51. Replaced Trade Item 52. Cancelled Date 53. Tax Agency Code 54. Tax Rate 55. Tax Type Code 56. Tax Type Description <p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States: Trade Item Unit Descriptor</p> <p>Specific to Australia, France, New Zealand and United States:</p> <ul style="list-style-type: none"> 1. Publication Date 2. Is Trade Item Marked as Recyclable <p>Specific to Australia, Canada and France: Child Trade Item</p> <p>Specific to Australia, France and New Zealand:</p> <ul style="list-style-type: none"> 1. Contact Reference Number 2. Sub Brand 3. Variant 4. Community Visibility Date Time 5. Consumer Availability Date Time 6. First Order Date 7. Color Code Value 8. Color Code Description 9. Handling Instructions Code 10. Order Quantity Minimum 11. Selling Unit of Measure 12. Trade Item Group Identification Description 13. Trade Item Group Identification Code <p>Specific to Australia and New Zealand:</p> <ul style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Final Batch Expiry Date Time 4. Is HealthCare Item 5. Countable Items 6. HealthCare Component Type 7. Medicine Device Unit Name 8. Volume Weight Amount 9. Volume Weight Unit 10. No Of Identical Medicine Containers or Devices <p>Specific to Australia and France:</p> <ul style="list-style-type: none"> 1. Quantity of Next Lower Level Trade Item 2. Tax Agency Code 3. Tax rate 4. Tax Type Code

Use Case ID	UC-2
	<p>5. Tax Type Description</p> <p>Specific to Canada, France and United States:</p> <ol style="list-style-type: none"> 1. Name of Information Provider 2. Additional Classification Category Name 3. Brand Owner 4. Name of Brand Owner <p>Specific to Canada, France and United States:</p> <ol style="list-style-type: none"> 1. Trade Item Trade Chanel 2. Replaced Trade Item 3. Cancelled Date <p>Specific to Canada: Language Specific Brand Name</p> <p>GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version</p> <ol style="list-style-type: none"> 1. Bracket Operator 2. Bracket Qualifier Code 3. Bracket Tier Maximum 4. Bracket Tier Minimum 5. Distribution Method Code 6. Price Type Effective End Date 7. Price Type Effective End Date Context 8. Price Type Effective Start Date 9. Price Type Effective Start Date Context 10. Party Receiving Private Data 11. Price Type Last Changed Date Time 12. Price Action Code 13. Price Type Application Sequence 14. Price Basis Quantity 15. Price Type Code 16. Item Price Type Segment Identification 17. Price Type Description 18. Price Value 19. Price Value Type 20. Price Action Reason Code 21. Reference Document Description 22. Reference Document Identifier
Related Rules	<ol style="list-style-type: none"> 1. Ensure a mechanism is in place so that the contract information is updated in an amendment to the contract (inclusive of contract price as applicable) between trading partners 2. (Insert Related Rule here)

2.3. Procurement

Use Case ID	UC-3
Use Case Name	Procurement
Objective	Ensure the customer has accurate and complete product data to enable an efficient procurement process.

Use Case ID	UC-3																											
Use Case Description	Very often customers do not have complete or the latest information available to place product orders. The GDSN is often used to provide information about products and their levels of packaging to ensure the correct products in the correct quantity are procured.																											
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry																											
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>																											
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization • Tendering, Sourcing and Contracting steps have been completed 																											
Post conditions	Accurate and complete procurement information is provided to the customer and available in their internal system for procurement																											
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) integrates the procurement data into their internal system to enable procurement</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-3															
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Use Case ID	UC-3
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item Supplier 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with order Lead Time 14. Additional Classification Category Name 15. Additional Classification Category Description 16. Brand Owner 17. Name Of Brand Owner 18. Ship to 19. Minimum Trade Item Lifespan From Time Of Arrival 20. Minimum Trade Item Lifespan From Time Of Production 21. Bar Code Type 22. Target Market Country Code 23. Name Of Manufacturer 24. Description Short 25. Sub Brand 26. Functional Name 27. Variant 28. Community Visibility Date Time 29. Start Availability Date Time 30. Consumer Availability Date Time 31. Final batch Expiry Date 32. First Order Date 33. Publication Date 34. Quantity of Next Lower Level Trade Item 35. Is Trade Item A Base Unit 36. Is Trade Item A Consumer Unit 37. Is Trade Item A Variable Unit 38. Is Trade Item An Invoice Unit 39. Is Health Care Item 40. Countable Items C1D1 41. Healthcare Component Type C1 42. Medicine Device Unit Name C1D1 43. Volume Weight Amount C1D1 44. Volume Weight Unit C1D1 45. No Of Identical Medicine Containers Or Devices C1 46. Handling Instructions Code

Use Case ID	UC-3
	<p>47. Order Quantity Minimum</p> <p>48. Selling Unit Of Measure</p> <p>49. Trade Item Group Identification Description</p> <p>50. Trade Item Group Identification Code</p> <p>51. Trade Item Trade Channel</p> <p>52. Language Specific Brand Name</p> <p>53. Replaced Trade Item</p> <p>54. Cancelled Date</p> <p>55. Tax Agency Code</p> <p>56. Tax Rate</p> <p>57. Tax Type Code</p> <p>58. Tax Type Description</p> <p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States: Trade Item Unit Descriptor</p> <p>Specific to Australia, Canada, France and New Zealand : Description Short</p> <p>Specific to Australia, France, New Zealand and United States: Publication Date</p> <p>Specific to Australia, Canada and France: Child Trade Item</p> <p>Specific to Australia, France and New Zealand:</p> <ol style="list-style-type: none"> 1. Sub Brand 2. Variant 3. Community Visibility Date Time 4. Consumer Availability Date Time 5. First Order Date 6. Handling Instructions Code 7. Order Quantity Minimum 8. Selling Unit of Measure 9. Trade Item Group Identification Code 10. Trade Item Group Identification Description <p>Specific to Australia and France:</p> <ol style="list-style-type: none"> 1. Quantity of Next Lower Level Trade Item 2. Tax Agency Code 3. Tax rate 4. Tax Type Code 5. Tax Type Description <p>Specific to Australia and New Zealand:</p> <ol style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Final Batch Expiry Date Time 4. Is Healthcare Item 5. Countable Items 6. HealthCare Component Type 7. Medicine Device Unit Name 8. Volume Weight Amount 9. Volume Weight Unit 10. No Of Identical Medical Containers or Devices

Use Case ID	UC-3
	<p>Specific to Canada, France and United States:</p> <ol style="list-style-type: none"> 1. Name of Information Provider 2. Additional Classification Category Name 3. Brand Owner 4. Name of Brand Owner <p>Specific to Canada and France:</p> <ol style="list-style-type: none"> 1. Trade Item Trade Channel 2. Replaced Trade Item 3. Cancelled Date <p>Specific to France and United States:</p> <ol style="list-style-type: none"> 1. Classification Category Code 2. Total Quantity of Next Lower Level Trade Item 3. Bar Code Type 4. Start Availability Date Time <p>Specific to Canada: Language Specific Brand Name</p> <p>GDSN Price Sync Standard: Used in Australia and New Zealand only as of this version</p> <ol style="list-style-type: none"> 1. Bracket Operator 2. Bracket Qualifier Code 3. Bracket Tier Maximum 4. Bracket Tier Minimum 5. Distribution Method Code 6. Price Type Effective End Date 7. Price Type Effective End Date Context 8. Price Type Effective Start Date 9. Price Type Effective Start Date Context 10. Party Receiving Private Data 11. Price Type Last Changed Date Time 12. Price Action Code 13. Price Type Application Sequence 14. Price Basis Quantity 15. Price Type Code 16. Item Price Type Segment Identification 17. Price Type Description 18. Price Value 19. Price Value Type 20. Price Action Reason Code 21. Reference Document Description 22. Reference Document Identifier
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 2. (Insert Related Rule here)

2.4. Order and Invoice Reconciliation

Use Case ID	UC-4
Use Case Name	Order and Invoice Reconciliation
Objective	Ensure the customer has accurate product pricing information to address order and invoice discrepancies
Use Case Description	Often invoice payment is delayed due to lack of accuracy in the order price quoted versus the invoice price returned. Alternatively, there is often inaccuracy between the price quoted in the buyer purchase order and the price in the supplier system. GDSN can be used to provide accurate pricing information and allow faster invoice reconciliation and therefore payment.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>
Preconditions	<ul style="list-style-type: none">• Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool• Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool• Trading Partners subscribe to a GDSN data pool• The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN• Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization• An agreement is in place that the GDSN data will be the primary source of data for order placement and invoice reconciliation.• Tendering, Sourcing, Contracting and Procurement steps have been completed
Post conditions	Accurate and complete product and price information is provided to the customer and available in their internal system for placing purchase orders and reconciling invoices against these to minimize pricing discrepancies and therefore invoice queries.

Use Case ID	UC-4																																	
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 386 1427 1098"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> <tr> <td>9</td> <td>Data Recipient</td> <td>Generates purchase order using GDSN data</td> </tr> <tr> <td>10</td> <td>Supplier</td> <td>Order is processed and invoice generated using GDSN data</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) makes a comparison between the purchase order and invoice applicable to the transaction.</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information	9	Data Recipient	Generates purchase order using GDSN data	10	Supplier	Order is processed and invoice generated using GDSN data
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Use Case ID	UC-4
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item Supplier 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with order Lead Time 14. Ship to 15. Bar Code Type 16. Target Market Country Code 17. Name Of Manufacturer 18. Community Visibility Time 19. Community Visibility Date Time 20. Start Availability Date Time 21. Consumer Availability Date Time 22. Final batch Expiry Date 23. First Order Date 24. Publication Date 25. Quantity of Next Lower Level Trade Item 26. Is Trade Item A Base Unit 27. Is Trade Item A Consumer Unit 28. Is Trade Item A Variable Unit 29. Is Trade Item An Invoice Unit 30. Is Health Care Item 31. Countable Items C1D1 32. Healthcare Component Type C1 33. Medicine Device Unit Name C1D1 34. Volume Weight Amount C1D1 35. Volume Weight Unit C1D1 36. No Of Identical Medicine Containers Or Devices C1 37. Order Quantity Minimum 38. Selling Unit Of Measure 39. Trade Item Group Identification Description 40. Trade Item Group Identification Code 41. Tax Agency Code 42. Tax Rate 43. Tax Type Code 44. Tax Type Description

Use Case ID	UC-4
	<p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States: Trade Item Unit Descriptor Specific to Australia, France, New Zealand and United States: Publication Date Specific to Australia, Canada and France: Child Trade Item Specific to Australia, France and New Zealand:</p> <ol style="list-style-type: none"> 1. Ship To 2. Community Visibility Date Time 3. Consumer Availability Date Time 4. Publication Date 5. Order Quantity Minimum 6. Selling Unit of Measure <p>Specific to Australia and France:</p> <ol style="list-style-type: none"> 1. Quantity of Next Lower Level Trade Item 2. Tax Agency Code 3. Tax Rate 4. Tax Type Code 5. Tax Type Description <p>Specific to Australia and New Zealand:</p> <ol style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Final Batch Expiry Date 4. Is Healthcare Item 5. Countable Items 6. HealthCare Component Type 7. Medicine Device Unit Name 8. Volume Weight Amount 9. Volume Weight Unit 10. No Of Identical Medical Containers or Devices <p>Specific to Canada, France and United States:</p> <ol style="list-style-type: none"> 1. Name of Information Provider 2. Additional Classification Category Name <p>Specific to France and United States:</p> <ol style="list-style-type: none"> 1. Classification Category Code 2. Total Quantity of Next Lower Level Trade Item 3. Bar Code Type 4. Start Availability Date Time
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 2. (Insert Related Rule here)

2.5. Reimbursement Codes and GTINs

Note: There is parallel work developing with the GSMP NHRN work group which could impact this Use Case. This Use Case may be updated depending on the results of this group.

Use Case ID	UC-5
Use Case Name	Reimbursement Codes and GTINs

Use Case ID	UC-5																											
Objective	Ensure the customer has the proper regulatory reimbursement code mapped to the appropriate GTIN for their Target Market.																											
Use Case Description	Reimbursement codes vary between markets. There is a need to identify the correct reimbursement code for particular product at specific level of packaging. There are often multiple reimbursement codes for a particular product at a particular level of packaging within a given market. The GDSN provides an effective mechanism to ensure the product is mapped to the proper reimbursement code for a particular market.																											
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry																											
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>																											
Preconditions	<ul style="list-style-type: none"> • Supplier keeps accurate records of the reimbursement numbers that apply to their products. • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN, including reimbursement numbers • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization 																											
Post conditions	Accurate product identification information and all associated reimbursement code information is provided to the customer and available in their internal system as the first point of reference to be used when reimbursement claims are made.																											
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) uses the GTINs and reimbursement codes specified in GDSN for their reimbursement claims.</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-5															
Alternative Scenario	<table border="1"><thead><tr><th data-bbox="451 296 565 338">Step #</th><th data-bbox="565 296 797 338">Actor</th><th data-bbox="797 296 1425 338">Activity Step</th></tr></thead><tbody><tr><td data-bbox="451 338 565 386">1</td><td data-bbox="565 338 797 386"></td><td data-bbox="797 338 1425 386"></td></tr><tr><td data-bbox="451 386 565 432">2</td><td data-bbox="565 386 797 432"></td><td data-bbox="797 386 1425 432"></td></tr><tr><td data-bbox="451 432 565 478">3</td><td data-bbox="565 432 797 478"></td><td data-bbox="797 432 1425 478"></td></tr><tr><td data-bbox="451 478 565 525">4</td><td data-bbox="565 478 797 525"></td><td data-bbox="797 478 1425 525"></td></tr></tbody></table>	Step #	Actor	Activity Step	1			2			3			4		
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Use Case ID	UC-5
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 11. Order Lead Time 12. UOM Associated with order Lead Time 13. Additional Classification Category Description 14. Product reimbursement code(s) 15. Bar Code Type 16. Target Market Country Code 17. Name Of Manufacturer 18. Community Visibility Date Time 19. Publication Date 20. Countable Items C1D1 21. Healthcare Component Type C1 22. Medicine Device Unit Name C1D1 23. Volume Weight Amount C1D1 24. Volume Weight Unit C1D1 25. No Of Identical Medicine Containers Or Devices C1 26. Trade Item Group Identification Description 27. Trade Item Group Identification Code <p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States : Trade Item Unit Descriptor</p> <p>Specific to Australia, France, New Zealand and United States: Publication Date</p> <p>Specific to Australia, France and New Zealand: Community Visibility Date Time</p> <p>Specific to Australia and New Zealand:</p> <ol style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Countable Items 4. Healthcare Component Type 5. Medicine Device Unit Name 6. Volume Weight Amount 7. Volume Weight Unit 8. No Of Identical Medical Containers or Devices <p>Specific to Canada, France and United States: Name of Information Provider</p> <p>Specific to France and United States:</p> <ol style="list-style-type: none"> 1. Classification Category Code 2. Total Quantity of Next Lower Level Trade Item 3. Bar Code Type

Use Case ID	UC-5
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 3. (Insert Related Rule here)

2.6. Regulated Product Formulations and Target Markets

Use Case ID	UC-6
Use Case Name	Regulated Product Formulations and Target Markets
Objective	Ensure the correct relationship between the GTIN (actual products on market) and the product formulations registered with a specific regulator.
Use Case Description	Often a supplier will gain regulatory authority to sell a range of pack size combinations and formations of a particular product within a given market. Generally not all of these regulated / authorized pack sizes and formations are released in that market. It is important for that regulatory authority to have a record of the pack sizes and formations actually being sold in a market for recall and traceability purposes.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics</i>
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Regulator is a registered GDSN data recipient (and takes on the role of 'buyer' in this use case) • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization. This information includes reference to regulatory numbers applicable to the market in which the regulator functions. • An agreement is in place that GDSN is the mechanism by which suppliers will communicate to the regulator the authorized product configurations for sale in a given market.
Post conditions	The buyer / regulator uses the GDSN data to match the product configurations regulated for sale in a particular market with the actual products being sold.

Use Case ID	UC-6																											
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 386 1427 980"> <thead> <tr> <th data-bbox="451 386 566 430">Step #</th> <th data-bbox="566 386 800 430">Actor</th> <th data-bbox="800 386 1427 430">Activity Step</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 430 566 474">1</td> <td data-bbox="566 430 800 474">Seller</td> <td data-bbox="800 430 1427 474">Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td data-bbox="451 474 566 548">2</td> <td data-bbox="566 474 800 548">Source Data Pool</td> <td data-bbox="800 474 1427 548">A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td data-bbox="451 548 566 621">3</td> <td data-bbox="566 548 800 621">Buyer</td> <td data-bbox="800 548 1427 621">The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td data-bbox="451 621 566 695">4</td> <td data-bbox="566 621 800 695">GS1 Global Registry</td> <td data-bbox="800 621 1427 695">Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td data-bbox="451 695 566 739">5</td> <td data-bbox="566 695 800 739">Seller</td> <td data-bbox="800 695 1427 739">Authorizes the publication of the requested information</td> </tr> <tr> <td data-bbox="451 739 566 812">6</td> <td data-bbox="566 739 800 812">Source Data Pool</td> <td data-bbox="800 739 1427 812">The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td data-bbox="451 812 566 886">7</td> <td data-bbox="566 812 800 886">Recipient Data Pool</td> <td data-bbox="800 812 1427 886">The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td data-bbox="451 886 566 980">8</td> <td data-bbox="566 886 800 980">Data Recipient</td> <td data-bbox="800 886 1427 980">The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the regulator (data recipient) uses the GTINs and regulatory codes specified in GDSN for match the product configurations regulated for sale in a particular market with the actual products being sold</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-6
Related Requirements	<ol style="list-style-type: none"> 1. Additional Classification Category Description 2. Product Reimbursement Code(s) 3. Bar Code Type 4. Target Market Country Code 5. Name of Manufacturer 6. Community Visibility Date Time 7. Publication Date 8. Trade Item Group Identification Description 9. Trade Item Group Identification Code <p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States : Trade Item Unit Descriptor Specific to Australia, France, New Zealand and United States : Publication Date Specific to Australia, France and New Zealand:</p> <ol style="list-style-type: none"> 1. Community Visibility Date Time 2. Trade Item Group Identification Description 3. Trade Item Group Identification Code <p>Specific to Australia and France: Product Reimbursement Code Specific to France and United States: Bar Code Type</p>
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 2. (Insert Related Rule here)

2.7. Logistics

Use Case ID	UC-7
Use Case Name	Logistics
Objective	Provide accurate dimensions and weights for warehousing and hospital storage optimisation.
Use Case Description	Hospitals and other health facilities are finding that storage areas in pharmacy and general stores, as well as operating theatres among other areas are being reduced as more space is claimed for patient facilities. As such, optimisation of available storage space is critical. GDSN is being used to provide accurate weights and dimensions for storage, handling and warehousing purposes.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics.</i>
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN, including reimbursement numbers • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization
Post conditions	Accurate product identification information and product weights / dimensions are provided to the customer and available in their internal system as the reference to be used by their warehouse management system.

Use Case ID	UC-7																														
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 388 1430 1081"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>Reviews dimensions and weights provided by supplier to ensure these align with current records and identifies any discrepancies.</td> </tr> <tr> <td>9</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the customer (data recipient) uses the identification, weights and measures provided in GDSN as their primary source of logistics and warehousing information.</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	Reviews dimensions and weights provided by supplier to ensure these align with current records and identifies any discrepancies.	9	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-7
Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with Order Lead Time 14. Width 15. Depth 16. Height 17. Net Weight 18. Gross Weight 19. Minimum Trade Item Lifespan From Time Of Arrival 20. Minimum Trade Item Lifespan From Time Of Production 21. Packaging Type Code 22. Packaging Type Description 23. Bar Code Type 24. Target Market Country Code 25. Community Visibility Date Time 26. Start Availability Date Time 27. Consumer Availability Date Time 28. Final Batch Expiry Date 29. First Order Date 30. Quantity of Next Lower Level Trade Item 31. Child Trade Item 32. Is Trade Item A Base Unit 33. Is Trade Item A Consumer Unit 34. Is Trade Item A Variable Unit 35. Is Trade Item An Invoice Unit 36. Is HealthCare Item 37. Handling Instructions Code 38. Order Quantity Minimum 39. Selling Unit Of Measure 40. Is Trade Item Marked As Recyclable 41. Is Packaging Marked Returnable 42. Trade Item Group Identification Description 43. Trade Item Group Identification Code

Use Case ID	UC-7
	<p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States: Trade Item Unit Descriptor</p> <p>Specific to Australia, France, New Zealand and United States: Is Trade Item Marked As Recyclable</p> <p>Specific to Australia, Canada and France: Child Item trade</p> <p>Specific to Australia, France and New Zealand:</p> <ol style="list-style-type: none"> 1. Community Visibility Date Time 2. Consumer Availability Date Time 3. First Order Date 4. Handling Instructions Code 5. Order Quantity Minimum 6. Selling Unit of Measure 7. Trade Item Group Identification Description 8. Trade Item group Identification Code <p>Specific to Australia and France: Quantity of Next Lower Level Trade Item</p> <p>Specific to Australia and New Zealand:</p> <ol style="list-style-type: none"> 1. Order Lead Time 2. UOM Associated with Order Lead Time 3. Final Batch Expiry Date 4. Is HealthCare Item <p>Specific to Canada, France and United States : Name of Information Provider</p> <p>Specific to France and United States:</p> <ol style="list-style-type: none"> 1. Classification Category Code 2. Total Quantity of Next Lower Level Trade Item 3. Minimum Trade Item Lifespan from Time of Arrival 4. Minimum Trade Item Lifespan from Time of Production 5. Start Availability Date Time <p>Specific to New Zealand: Packaging Type Code</p>
Related Rules	<ol style="list-style-type: none"> 1. (Insert Related Rule here) 2. (Insert Related Rule here)

2.8. Logistics for Distribution Channel

Use Case ID	UC-8
Use Case Name	Logistics for Distribution Channel
Objective	Provide accurate product hierarchy information, pack size information, dimensions and weights to allow effective distribution function.
Use Case Description	Distributors and suppliers need to understand the pack configurations, relationships and weights / dimensions of the products they handle to ensure that their warehouse operations are seamless. Having incorrect information about a product pack size may mean that an order for 10 items may in fact contain 12. Alternatively, the entity packing a logistics unit may have an incorrect weight for a product meaning that the logistics unit packed is too heavy for the transport provider to handle.
Actors (Goal)	Seller, Buyer, GDSN Data Pool, GS1 Global Registry
Performance Goals	<i>To be defined by each organization according to their internal, or industry agreed, metrics.</i>

Use Case ID	UC-8																														
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN, pack size, hierarchy and dimensions / weight information. • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization 																														
Post conditions	Accurate product identification information and product weights / dimensions as well as pack size / pack hierarchy are provided to the customer and available in their internal system as the reference to be used by their warehouse management system.																														
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Use Case ID	UC-8															
Alternative Scenario	<table border="1"><thead><tr><th data-bbox="451 296 565 338">Step #</th><th data-bbox="565 296 799 338">Actor</th><th data-bbox="799 296 1425 338">Activity Step</th></tr></thead><tbody><tr><td data-bbox="451 338 565 386">1</td><td data-bbox="565 338 799 386"></td><td data-bbox="799 338 1425 386"></td></tr><tr><td data-bbox="451 386 565 432">2</td><td data-bbox="565 386 799 432"></td><td data-bbox="799 386 1425 432"></td></tr><tr><td data-bbox="451 432 565 478">3</td><td data-bbox="565 432 799 478"></td><td data-bbox="799 432 1425 478"></td></tr><tr><td data-bbox="451 478 565 525">4</td><td data-bbox="565 478 799 525"></td><td data-bbox="799 478 1425 525"></td></tr></tbody></table>	Step #	Actor	Activity Step	1			2			3			4		
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Related Requirements	<ol style="list-style-type: none"> 1. Information Provider Of Trade Item 2. Name Of Information Provider 3. Classification Category Code 4. Net Content 5. Child Trade Item 6. Total Quantity Of Next Lower Level Trade Item 7. Quantity Of Next Lower Level Trade Item 8. Clinical Size 9. Is Trade Item An Orderable Unit 10. Is Trade Item A Dispatch Unit 11. Additional Trade Item Identification Type (Internal product codes, MDL, DIN) 12. Order Lead Time 13. UOM Associated with order Lead Time 14. Width 15. Depth 16. Height 17. Net Weight 18. Gross Weight 19. Minimum Trade Item Lifespan From Time Of Arrival 20. Minimum Trade Item Lifespan From Time Of Production 21. Packaging Type Code 22. Packaging Type Description 23. Bar Code Type 24. Target Market Country Code 25. Community Visibility Date Time 26. Start Availability Date Time 27. Consumer Availability Date Time 28. Final Batch Expiry Date 29. First Order Date 30. Quantity of Next Lower Level Trade Item 31. Child Trade Item 32. Is Trade Item A Base Unit 33. Is Trade Item A Consumer Unit 34. Is Trade Item A Variable Unit 35. Is Trade Item An Invoice Unit 36. Is HealthCare Item 37. Handling Instructions Code 38. Order Quantity Minimum 39. Selling Unit Of Measure 40. Is Trade Item Marked As Recyclable 41. Is Packaging Marked Returnable 42. Trade Item Group Identification Description 43. Trade Item Group Identification Code

Use Case ID	UC-8
	<p>GDSN Target Market Specific:</p> <p>Specific to Australia, Canada, France and United States: Trade Item Unit Descriptor</p> <p>Specific to Australia, France, New Zealand and United States: Is Trade Item Marked As Recyclable</p> <p>Specific to Australia, Canada and France: Child Item trade</p> <p>Specific to Australia, France and New Zealand:</p> <ul style="list-style-type: none"> 9. Community Visibility Date Time 10. Consumer Availability Date Time 11. First Order Date 12. Handling Instructions Code 13. Order Quantity Minimum 14. Selling Unit of Measure 15. Trade Item Group Identification Description 16. Trade Item group Identification Code <p>Specific to Australia and France: Quantity of Next Lower Level Trade Item</p> <p>Specific to Australia and New Zealand:</p> <ul style="list-style-type: none"> 5. Order Lead Time 6. UOM Associated with Order Lead Time 7. Final Batch Expiry Date 8. Is HealthCare Item <p>Specific to Canada, France and United States : Name of Information Provider</p> <p>Specific to France and United States:</p> <ul style="list-style-type: none"> 6. Classification Category Code 7. Total Quantity of Next Lower Level Trade Item 8. Minimum Trade Item Lifespan from Time of Arrival 9. Minimum Trade Item Lifespan from Time of Production 10. Start Availability Date Time <p>Specific to New Zealand: Packaging Type Code</p>
Related Rules	<ul style="list-style-type: none"> 1. (Insert Related Rule here) 3. (Insert Related Rule here)

2.9. Unique Device Identifier (UDI)

This use case will be verified once the UDI regulation is announced.

Use Case ID	UC-9
Use Case Name	Unique Device Identifier (UDI) – <i>Regulation Pending</i>
Objective	To leverage how the GDSN model works today serving as an efficient mechanism and trusted source of data for multiple UDI databases, worldwide.

Use Case ID	UC-9
Use Case Description	<p>Unique Device Identification is expected to improve patient safety and business processes, and will require an investment by manufacturers, providers and other organizations. A single, global system of standards and a reliable mechanism to provide product data is fundamental to enable an efficient and effective implementation of UDI by all stakeholders worldwide.</p> <p>Different regulators will operate individual databases. These databases will be operated independently of each other and will not contain the same “data elements” (may vary in number and /or definition).</p> <p>By using the GDSN, product data will flow from the manufacturer’s internal database to their GDSN data pool and then to the UDI database. This same approach is already used to provide product data to Providers and health authorities in many jurisdictions. The GDSN can serve both needs.</p> <p>This Use Case includes two possible scenarios for the use of the GDSN as a data feed for UDI databases plus an additional scenario for a Provider to subscribe to UDI data published by a manufacturer in the GDSN.</p> <ul style="list-style-type: none"> Regulator Scenario 1: This scenario includes how to use the GDSN as a data feed for a UDI database when a Regulator chooses not to subscribe to a GDSN data pool. This scenario makes use of the GDSN Third Party Data policy to push data to a UDI database with the authorization and instructions from the manufacturer who is the owner of the product and source of the data. The data will only be provided to the UDI database indicated by the Data Source (manufacturer). The GDSN Trading Partner Service Agreement (TPSA) will need to be signed by the data source and provided to their data pool. Without this agreement in place the data cannot be provided to a third party (e.g. a UDI database) Regulator Scenario 2: This scenario includes how a Regulator can subscribe to a GDSN data pool and pull data into their UDI data base. In this scenario they will synchronize data as a traditional data recipient within the GDSN. Provider Scenario 1: This scenario illustrates how a Provider can use the GDSN to subscribe to a Manufacturer’s UDI data via a GDSN data pool. It functions the same way as the normal GDSN Publication and Subscription choreography. <p>All scenarios ensure that the Manufacturer, as the Data Source, maintains control of how, and to whom, their data is provided by their data pool. One of the main benefits of using the GDSN as a UDI data feed is that it provides a single connection through which data is shared and updated, regardless of the data recipient.</p>
Actors (Goal)	<p>Manufacturer, Source Data Pool, UDI Data Recipient (Regulator responsible for the UDID), GS1 Global Registry</p> <p>Provider Scenario 1, additional Actors: Buyer (Provider), Recipient Data Pool</p>
Performance Goals	<p><i>To be defined...</i></p>

Use Case ID	UC-9																											
Regulator Scenario 1	<p>Begins when... the manufacturer establishes the proper contractual agreement including the GDSN Trading Partner Service Agreement (TPSA) with a GDSN data pool which authorizes the data pool to provide data to a third party</p> <p>Continues with...</p> <table border="1" data-bbox="451 386 1427 890"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Manufacturer</td> <td>Provides the appropriate device product data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Source Data Pool</td> <td>Converts the GDSN data format and message to the UDI database SPL R5 data format</td> </tr> <tr> <td>4</td> <td>UDI Data Recipient</td> <td>The UDID acknowledges receipt of UDI data Note: Based on present information it is expected that the UDI database will have the capability to provide a machine-to-machine acknowledgement.</td> </tr> <tr> <td>5</td> <td>Source Data Pool</td> <td>Sends confirmation to the Manufacturer that the medical device data has been entered subject UDI database</td> </tr> </tbody> </table> <p>Ends when... the data is available in the UDI database in compliance with UDI regulation</p>	Step #	Actor	Activity Step	1	Manufacturer	Provides the appropriate device product data to their GDSN data pool	2	Source Data Pool	A subset of this data is registered in the GS1 Global Registry	3	Source Data Pool	Converts the GDSN data format and message to the UDI database SPL R5 data format	4	UDI Data Recipient	The UDID acknowledges receipt of UDI data Note: Based on present information it is expected that the UDI database will have the capability to provide a machine-to-machine acknowledgement.	5	Source Data Pool	Sends confirmation to the Manufacturer that the medical device data has been entered subject UDI database									
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Provider UDI Scenario 1	<p>This scenario outlines a Provider receiving a manufacturer's UDI data via a GDSN Data Pool. This scenario is designed to function through the regular GDSN publication and subscription choreography.</p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Manufacturer (seller)</td> <td>Provides the appropriate device product data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Manufacturer</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The manufacturer's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table>	Step #	Actor	Activity Step	1	Manufacturer (seller)	Provides the appropriate device product data to their GDSN data pool	2	Source Data Pool	A subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Manufacturer	Authorizes the publication of the requested information	6	Source Data Pool	The manufacturer's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Related Requirements	Note: For a detailed listing of UDI database attributes and mapping to GDSN refer to the GDSN Guide for UDI http://www.gs1.org/gsmg/kc/gdsn																											
Related Rules																												

2.10. Medicine Dispensing and Safety

Note: The use case of Medicine Dispensing has been selected as an example to demonstrate the importance of GDSN data in patient safety initiatives. It is understood that there are a range of other use cases related to patient safety in which GDSN data is critical, these include:

- Scanning for product validation at point of use (e.g. in the operating theatre, patient bedside)
- Referencing of product information in the patient's electronic health record

Use Case ID	UC-1
Use Case Name	Medicine Dispensing and Safety
Objective	<p>Ensure accurate, complete and up to date product information for validation of medicines (medications) at point of dispensing (which may be in the pharmacy or by any regulated healthcare provider).</p> <p>Note: Identification of the caregiver and patient is out of scope for this particular Use Case.</p>

Use Case ID	UC-1
Use Case Description	The use case involves capturing the unique product identification (.e.g. scanning a bar code) and validation at the point of medicine (medication) dispensing. This process requires accurate data to be in the associated product database.
Actors (Goal)	Seller, Buyer, Healthcare Practitioner / Provider (.e.g. pharmacist, nurse, physician, or other regulated healthcare provider) GDSN Data Pool, GS1 Global Registry
Performance Goals	To measure the effectiveness of: (1) Quantity - number of products dispensed to the number of times it was scanned; (2) Item Identification - accurately identifying and capturing the right medication was dispensed against the record in the pharmacy information system/ electronic medical record.
Preconditions	<ul style="list-style-type: none"> • Seller assigns GTINs to their products' primary and secondary package, and a GLN as required for data synchronization via their GDSN Data Pool • Buyer assigns GLNs as required for data synchronization via their GDSN Data Pool • Trading Partners subscribe to a GDSN data pool • The supplier and the customer have an established business relationship and have agreed to synchronize data via the GDSN • Basic information such as the Trading Partner GLNs and GTINs have been provided to each other as needed to enable data synchronization • An agreement has been made that GDSN data will provide the foundation for data capture for product validation at the time of medicines dispensing. Where the GDSN data does not meet all requirements for a regional or local area, then the regional requirements will need to be accommodated.
Post conditions	Accurate and complete product information has been integrated in the Provider's internal systems in order to enable scanning for dispensing of medicine and electronic prescription systems. The Provider's pharmacy dispensing system has capability to hold the information provided by GDSN.

Use Case ID	UC-1																											
Scenario	<p>Begins when... the manufacturer records in their internal Master Data Management system the appropriate product data needed by this specific Use Case.</p> <p>Continues with... the seller is ready to load their product and company data in their GDSN data pool</p> <table border="1" data-bbox="451 388 1427 982"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Seller</td> <td>Provides the appropriate data to their GDSN data pool</td> </tr> <tr> <td>2</td> <td>Source Data Pool</td> <td>A small subset of this data is registered in the GS1 Global Registry</td> </tr> <tr> <td>3</td> <td>Buyer</td> <td>The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry</td> </tr> <tr> <td>4</td> <td>GS1 Global Registry</td> <td>Sends a subscription request to the source GDSN data pool</td> </tr> <tr> <td>5</td> <td>Seller</td> <td>Authorizes the publication of the requested information</td> </tr> <tr> <td>6</td> <td>Source Data Pool</td> <td>The seller's data pool publishes the requested information to the buyer's data pool</td> </tr> <tr> <td>7</td> <td>Recipient Data Pool</td> <td>The buyer's data pool publishes the data to the Data Recipient</td> </tr> <tr> <td>8</td> <td>Data Recipient</td> <td>The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information</td> </tr> </tbody> </table> <p>Ends when... the Provider (data recipient) utilizes the synchronized product data to scan to validate the product when dispensing medicines.</p>	Step #	Actor	Activity Step	1	Seller	Provides the appropriate data to their GDSN data pool	2	Source Data Pool	A small subset of this data is registered in the GS1 Global Registry	3	Buyer	The buyer, through its own data pool, sends a subscription request to the GS1 Global Registry	4	GS1 Global Registry	Sends a subscription request to the source GDSN data pool	5	Seller	Authorizes the publication of the requested information	6	Source Data Pool	The seller's data pool publishes the requested information to the buyer's data pool	7	Recipient Data Pool	The buyer's data pool publishes the data to the Data Recipient	8	Data Recipient	The buyer sends a confirmation to the seller via each company's data pool, which informs the supplier of the action taken by the buyer using the information
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Use Case ID	UC-1										
Related Requirements	<ol style="list-style-type: none"> 1. GTIN 2. Supplier GLN 3. Product Description 4. Product pack size 5. Product Unit of End Consumption information 6. Pack size information 7. Regulatory number (and other associated rebate or regulatory numbers) e.g. DIN; NDC 8. Shape, size, colour, markings or image 9. Hazardous Material (Material Safety Data Sheet information) 10. Sterility 11. Reusability information 12. Active Ingredient Name 13. Active Ingredient Strength 14. Active Ingredient Strength – Unit of Measure 15. AHFS Class Code 16. ATC Class Code (alpha numeric number) 17. Brand Name 18. Generic Name 19. Controlled Drug /Controlled Substance Type / Drug Designation Access Schedule/ Targeted Substance (goal is to identify the drug schedule, and specifically, the controlled substances) <ol style="list-style-type: none"> a. Need to the ability to indicate if it is a, Prescription/non-prescription and if it is a controlled substance 20. Dosage Form: <table border="1" data-bbox="534 1014 1458 1278"> <thead> <tr> <th data-bbox="534 1014 878 1050">Attribute Name</th> <th data-bbox="878 1014 1458 1050">Suggested Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="534 1050 878 1115">Dosage Form Agency Name</td> <td data-bbox="878 1050 1458 1115">The name of the agency that maintains the dosage Form Terms and Description</td> </tr> <tr> <td data-bbox="534 1115 878 1180">Dosage Form Version (if applicable)</td> <td data-bbox="878 1115 1458 1180">The version of the release of the particular Term and Definition</td> </tr> <tr> <td data-bbox="534 1180 878 1213">Dosage Form Term Code</td> <td data-bbox="878 1180 1458 1213">The Term Code which identifies the Description</td> </tr> <tr> <td data-bbox="534 1213 878 1278">Dosage Form Term Description</td> <td data-bbox="878 1213 1458 1278">The Description of the Term</td> </tr> </tbody> </table> <p data-bbox="436 1289 1451 1362"><i>Note: A Work Request is being processed through the GSMP to add the Dosage Form attribute class to the GDSN standard. Once there is a global standard, or a resolution to the pending discussion among regulators, this solution will allow the migration by the impacted community.</i></p> <ol style="list-style-type: none"> 21. Dosing range (min/max dosage) 22. Drug Type Identifier (Brand or Generic) 23. Storage Conditions (Temp. monitoring) 24. Shakeable Product (during Transit) (Y/N) 25. Route of Administration 26. Common side effects 	Attribute Name	Suggested Description	Dosage Form Agency Name	The name of the agency that maintains the dosage Form Terms and Description	Dosage Form Version (if applicable)	The version of the release of the particular Term and Definition	Dosage Form Term Code	The Term Code which identifies the Description	Dosage Form Term Description	The Description of the Term
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3. Additional Requirements

- Trading Partners must have a pre-established commercial relationship and have exchanged necessary information about each other as needed in the process of conducting normal business.
- Changes to internal processes and systems may be required. Consult with your appropriate business unit owner and IT staff.
- The minimum set of GDSN mandatory attributes are required in order to facilitate data synchronization. For further information refer to the GDSN Trade Item Implementation Guide <http://www.gs1.org/gsmpr/kc/gdsn>

For further information regarding this document or any of the GDSN Healthcare Use Cases please contact Peter Alvarez at peter.alvarez@gs1.org.
