



101 Basic – Item Management Loading Workshop

The slides are posted on the Community Platform: <https://community.1worldsync.com>

Agenda

Topic
Audience & Purpose of this Session
Overview of the Community Platform
Overview of Data Synchronization
Overview of Item Attributes, Linking, Validating, & Publishing
Item Management Online Tool Demonstration
Q & A

Audience & Purpose

Audience:

- Suppliers who will be loading data directly to the Item Management (IM) Online User Interface (GUI)

Purpose

- To provide additional background on key concepts about using Item Management and the 1WorldSync Item Management process with the Global Data Synchronization Network (GDSN*)

** The GDSN is the Global Data Synchronization Network. The GDSN enables companies to electronically transfer standardized product master data between trading partners. This allows a Supplier to share their products with one or many retailers*

Community Platform

Get Started in the Community Platform

Log into the Community Platform

- Go to <https://community.1worldsync.com/>
 - Use the same Username & Password as for Item Management
- Create your Profile
- Listen to the Videos
 - Getting Started with IM
 - Item Management How-to Tutorials
- Download the Quick Sheet Step-by-Step Guides
 - IM Quick Sheets
 - IM Reports Quick Sheets
 - Load Sheet (FUSE) Quick Sheet

Data Synchronization



1WorldSync Data Synchronization Steps

Data Source
Supplier/Manufacturer

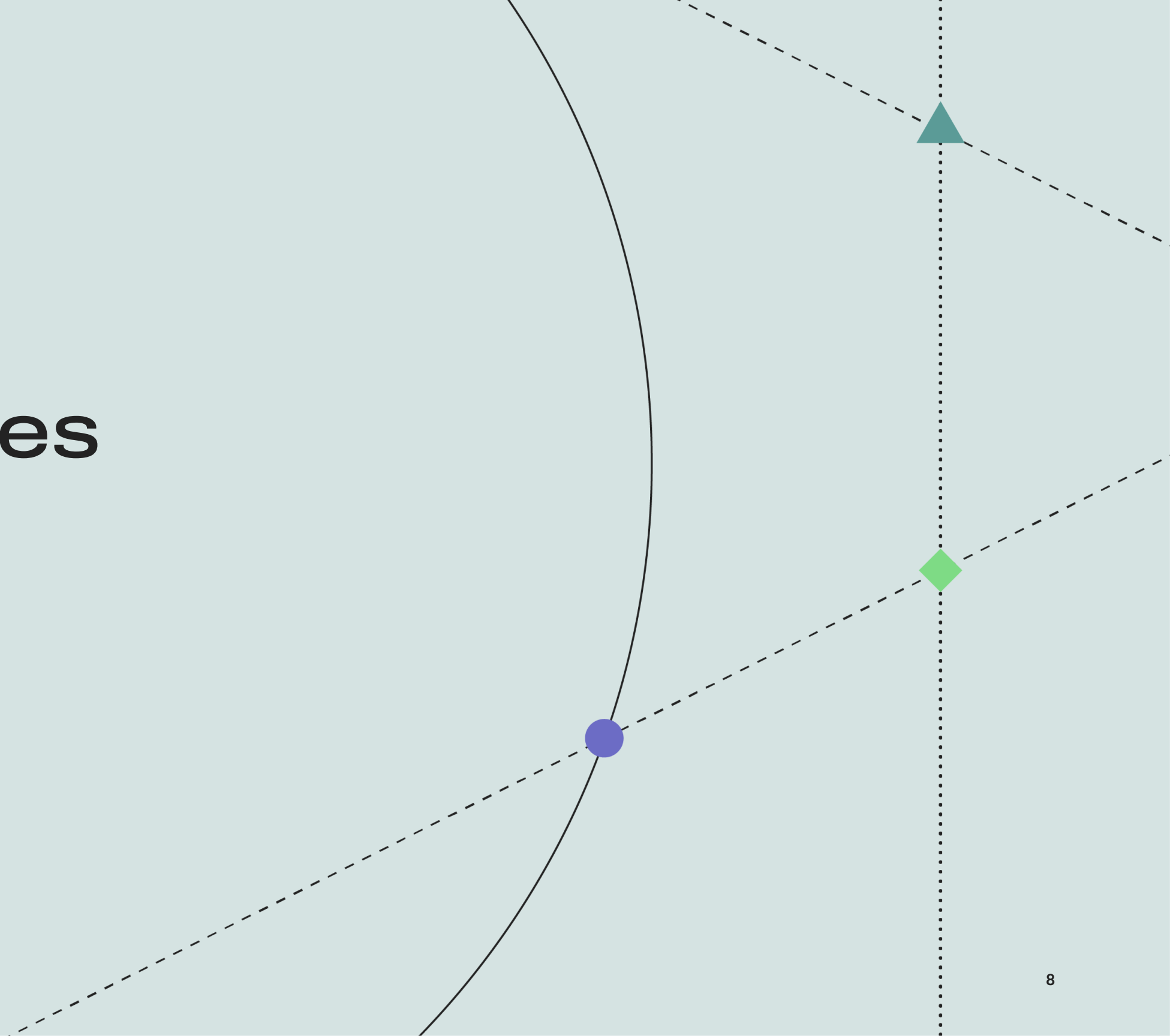
Data Recipient
Retailer/Distributor



- Uniquely identified by 13-digit Global Location Number (GLN)
 - GLN = 0614141401378

- Uniquely identified by 13-digit Global Location Number (GLN)
 - GLN=0111111780006

Item Attributes



Loading Product Content into Item Management (IM)

All Product Levels are uniquely identified by 14-digit Global Trade Item Number (GTIN)

Pallet of Product



- GTIN = 20789189389013

Case of Product



- GTIN = 10789189389017

Each (Consumer Unit)



- GTIN = 00789189389015

Product Content = Attributes

- Height
- Width
- Depth
- Weight
- Brand Name
- Product Description
- Images
- Logistics
- Case Quantity
- Ordering Info
- And more!

Attributes Definitions & Examples

Mandatory/Dependent/Optional Attributes

Mandatory/Required

- **Global Trade Item Number (GTIN)**
- GTIN Name
- Product Type
- **Target Market**
- Language
- **Information Provider (GLN)**
- Depth/UOM
- Height/UOM
- Width/UOM
- Brand Owner (GLN) (Owning Organization)
- Brand Name
- Total Count of All Products
- **Global Classification Code (GPC)**
- gs1TradeItemIdentificationKey/value (recommended)
- Manufacturer (GLN)
- Is Private? (Is Private)
- Ordering Unit Indicator
- Start Availability Date
- Functional Name (Product Name)
- Product Description

Dependent

- Gross Weight/UOM
- Net Weight/UOM
- Net Content Imperial or Metric/UOM (Size) (required if Consumer Unit Indicator is yes)
- Base Unit Indicator
- Consumer Unit Indicator
- Dispatch Unit Indicator
- Invoice Unit Indicator
- Variable Weight Trade Item
- Packaging Marked Recyclable?
- Packaging Marked Returnable?
- Volume/UOM

Best Practices:

- Provide Short Description/POS Desc. 1 for the lowest item in hierarchy.
- Provide Ti/Hi (if applicable) for highest item in hierarchy
- Coupon Family Code
- Country of Origin

Note: **Bold** indicates attribute stored in SG1 Global Registry

Playlists

Playlists

- A Playlist defines a list of attributes and validations for a target such as a Recipient, Supplier or industry.
- Associating a playlist with your item gives you the capability to ensure that you have access to all attributes needed to fulfill the requirements for your target.
- Item data is validated for specific playlist requirements which will help ensure that your content meets data quality requirements for synchronization.
- You can add as many playlists as you need to satisfy all of the types of uses for your item.

Common Playlists

- Most Popular
- All Populated
- Apparel
- Ecomm Ready - Great playlist to use to prepare your data for ecommerce and dot com initiatives!
- Electronics
- Food and Beverage Products
- Hardlines
- Health, Beauty and Personal Care
- Media-Books-Music-Movie-Periodicals
- Medical Devices
- Pet Products
- Pharmaceuticals
- Toys and Games

Note: The default playlist on an item record is “Basic” in Item Management. The only way to see additional attributes would be to assign another playlist. There is not a playlist for ALL attributes. Refer to the [IM Participant Dictionary](#) for a complete list of attributes and playlists.

To find out more about Playlists, please contact technical support: technicalsupport@1worldsync.com

Important Attribute Definitions

Base Unit Indicator

- Required in the GDSN CIN Message for the lowest level of the hierarchy
- If Base Unit Indicator is **True** then net content is required
- Cannot change Base Unit Indicator if the hierarchy is published

Consumer Unit Indicator

- Required in the GDSN CIN Message
- If Consumer Unit Indicator is yes/true Net Content becomes required and best practice is to populate net weight
- If Consumer Unit is equal to **True** and Data Carrier Type Code is equal to '**EAN_13**', '**UPC_A**' or '**UPC_E**' then first digit of GTIN must equal 0.
- **Note:** a hierarchy can have multiple consumer units.

Global Item Classification Code

- GPC Code = 8 digits
- A set of common categories to group products globally
- Required for GS1 Global Registry and in the GDSN CIN message

Measurements Overview

Measurement Rules are different for Consumer vs. Non-Consumer Trade Items.

Please refer to the GDSN Package Measurement Rules for specific examples:
http://www.gs1.org/docs/gsm/gdsn/GDSN_Package_Measurement_Rules.pdf

How to Measure a Consumer Unit

- Determine the **Default Front** – the side with the product name used to sell the product



Height: Measurement from Base to Top
Width: Measurement from Left to Right
Depth: Measurement from Front to Back

How to Measure a Non-Consumer Unit

- Determine the **Natural Base** – the natural underside



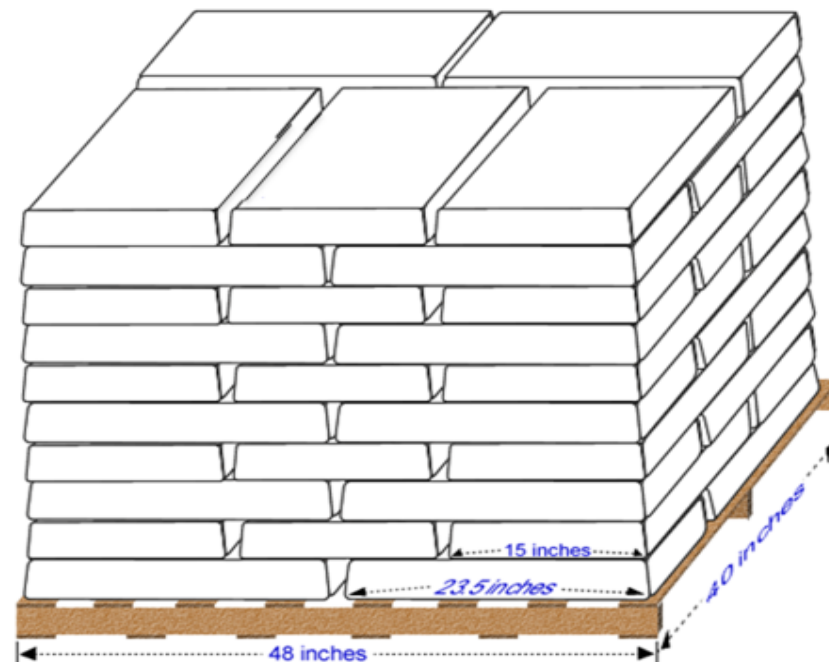
Height: Natural Base to the top most point
Width: Shortest Side of the Natural Base
Depth: Longest Side of the Natural Base

Non-GTIN Pallet HI/TI

Non-GTIN Pallet HI (quantityOfCompleteLayersContainedInATradeItem)

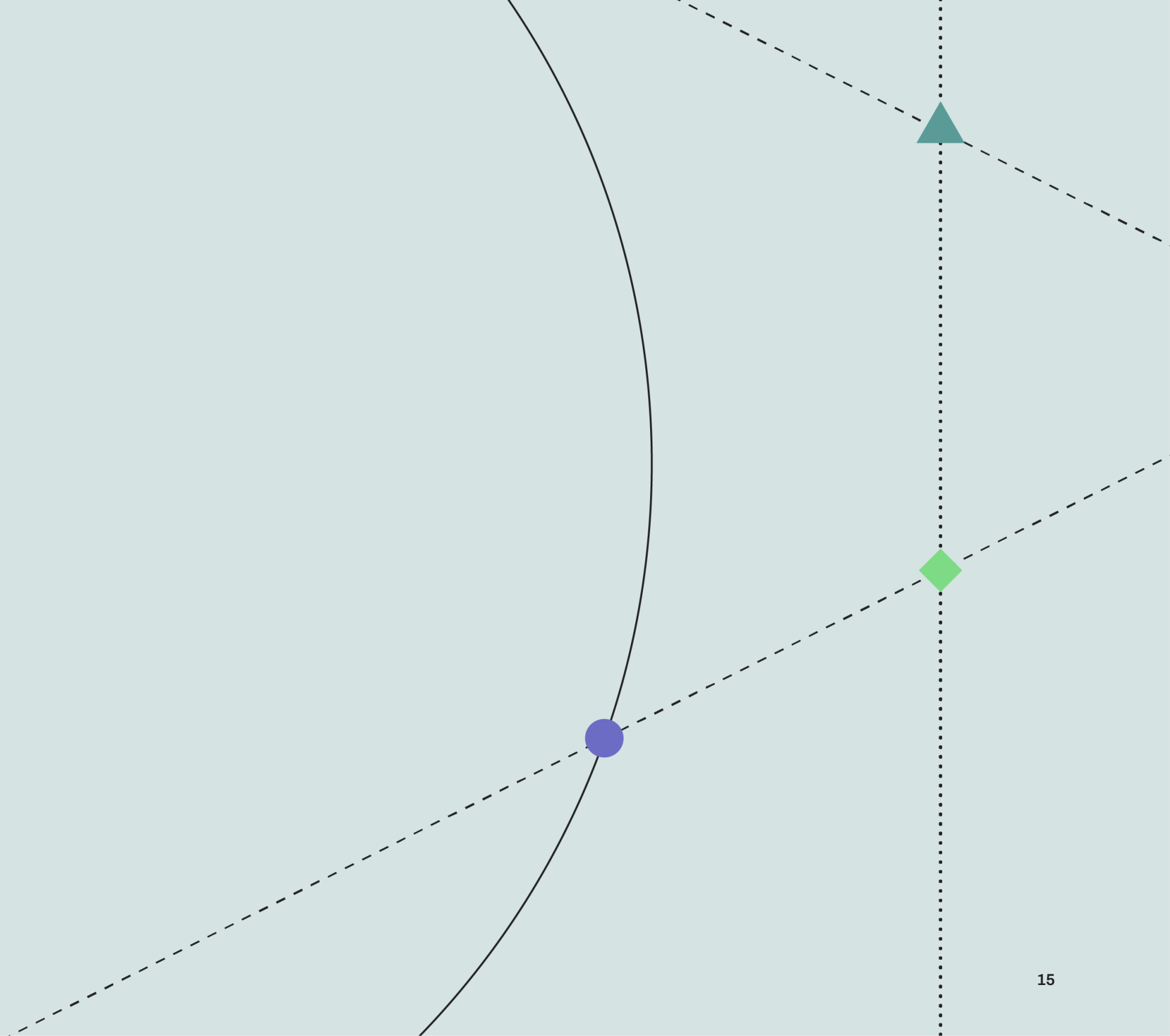
- HI is the number of layers in a pallet
- **Non-GTIN Pallet TI** (quantityOfTradeItemsContainedInACompleteLayer)
- TI is the number of cases in a layer

Note: populate these attributes on the Case



50 (Number of Items per Pallet)
5 (non-GTIN TI)
10 (non GTIN HI)

Linking



Linking Items Together = Item Hierarchy

For published hierarchies, the Link Quantity can't be changed without deleting the publication

Pallet of Product

- GTIN = 20789189389013



Link = 6 cases

Case of Product

- GTIN = 10789189389017



Link = 2

Each (Consumer Unit)

- GTIN = 00789189389015



Specify the **Link Quantity** (number of child items contained in a parent item) when you link your items.

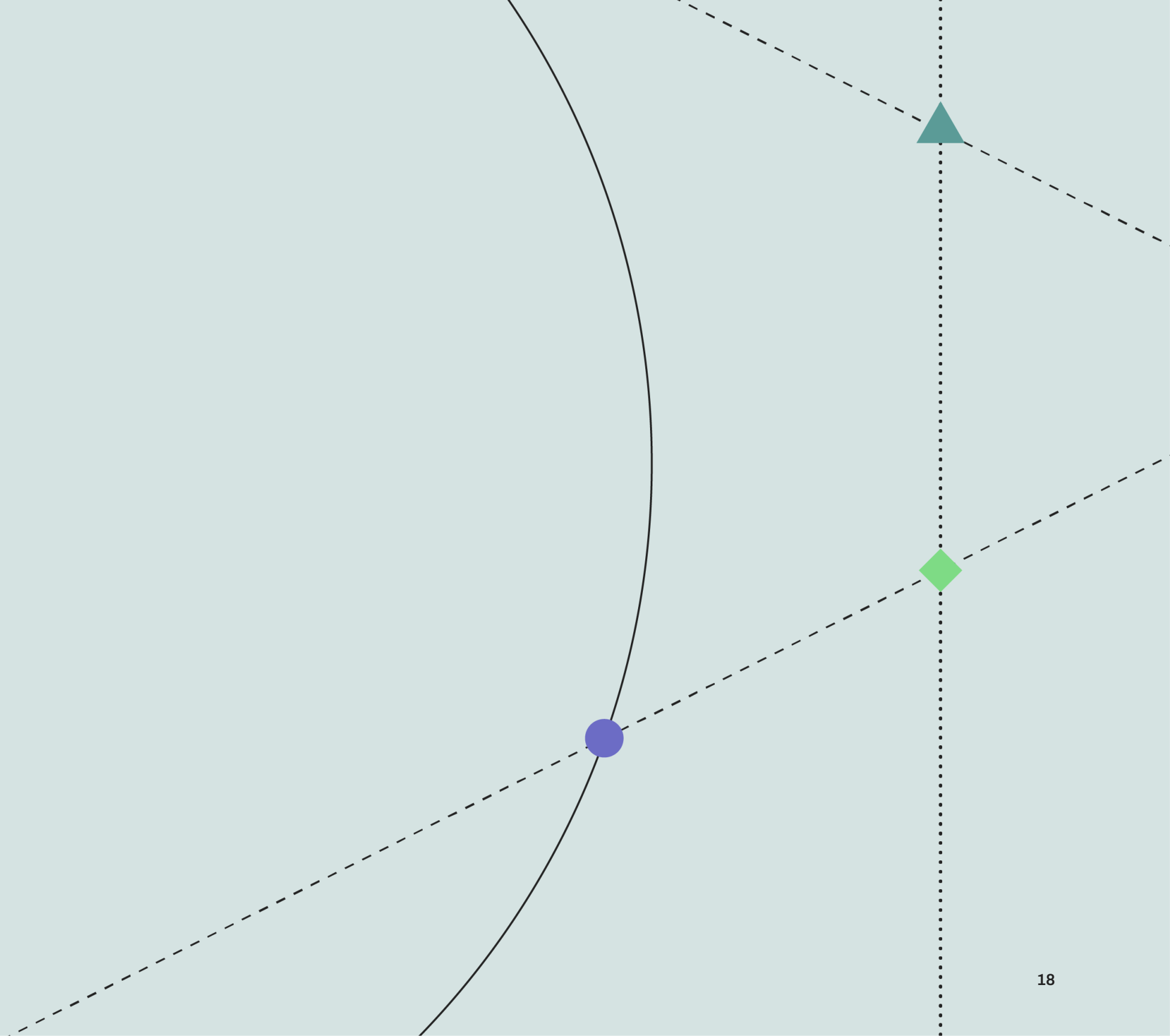
If you have a mixture of product, link each unique GTIN separately – the total **Link Quantity** should equal the Total Count of All products of the parent item

Linking

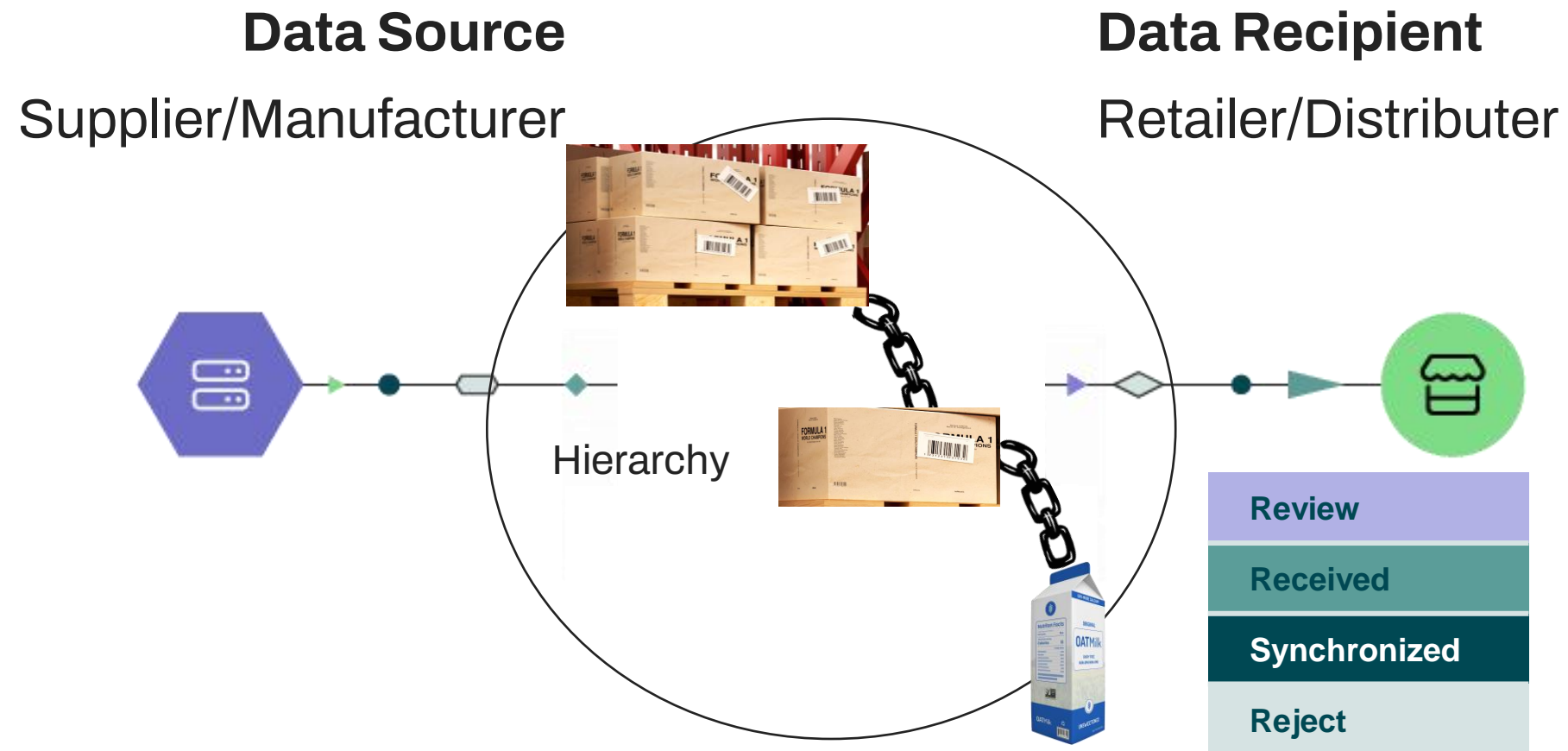
Key Concepts & Definitions

- Per GDSN standards, every hierarchy level (product type) in the supply chain should be assigned a unique GTIN
- Best practice is to have the data source assign a GTIN at the pallet level
- Create links from the top down – parent to child
- Key “Links” Attributes:
 - Total Count of All Products (TotalQuantityofNextLowerLevelTradeItem)
 - Total quantity of next lower-level items contained within this trade item
 - Enter this when you are creating your item
 - Total Count of All Products for the “Lowest” level should always = 1
 - Link Quantity (quantity of next lower-level trade item)
 - The number of child items contained in a parent item
 - Enter this when you are creating a link from parent to child item

Validating & Publishing



1WorldSync Data Synchronization Steps



Publishing & Validating

Key Concepts & Definitions

- Possible CIC responses
 - Review – requires action on your part
 - Received – positive response
 - Synchronized – data is integrated
 - Reject – recipient no longer wants to synchronize
- Publishing is sending your item hierarchy data to a data recipient GLN
 - Data recipients must subscribe in order to receive your publications
- Before publishing, validate your item hierarchy to ensure it's ready to be published
- Always publish at the highest level of your hierarchy
- Suppliers must indicate a publication type of Initial Load or NEW
 - Initial Load: existing item in recipient's database
 - NEW: brand new item that is introduced to a recipient

Item Management Demonstration

Hands-On Activity

1. Go to 1worldsync.com, click on Login in the top right corner
2. Click on Login to Production
 - If you forgot your password, click the Forgot Password link
3. From the Dashboard, click on the Add New Item Button
4. Complete the Add Item Form and Click Next
5. Select the Playlist, Validate
6. Clone the Each to create the Case
7. Link the Case to the Each
8. Publish the Case GTIN to your recipient
9. Check the Sync Status Report

→] Login

Item Management

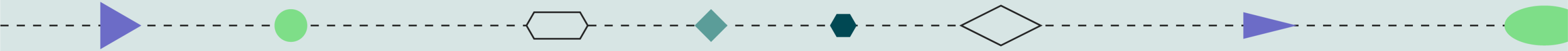
→] Production

→] Pre-Production



Item Management

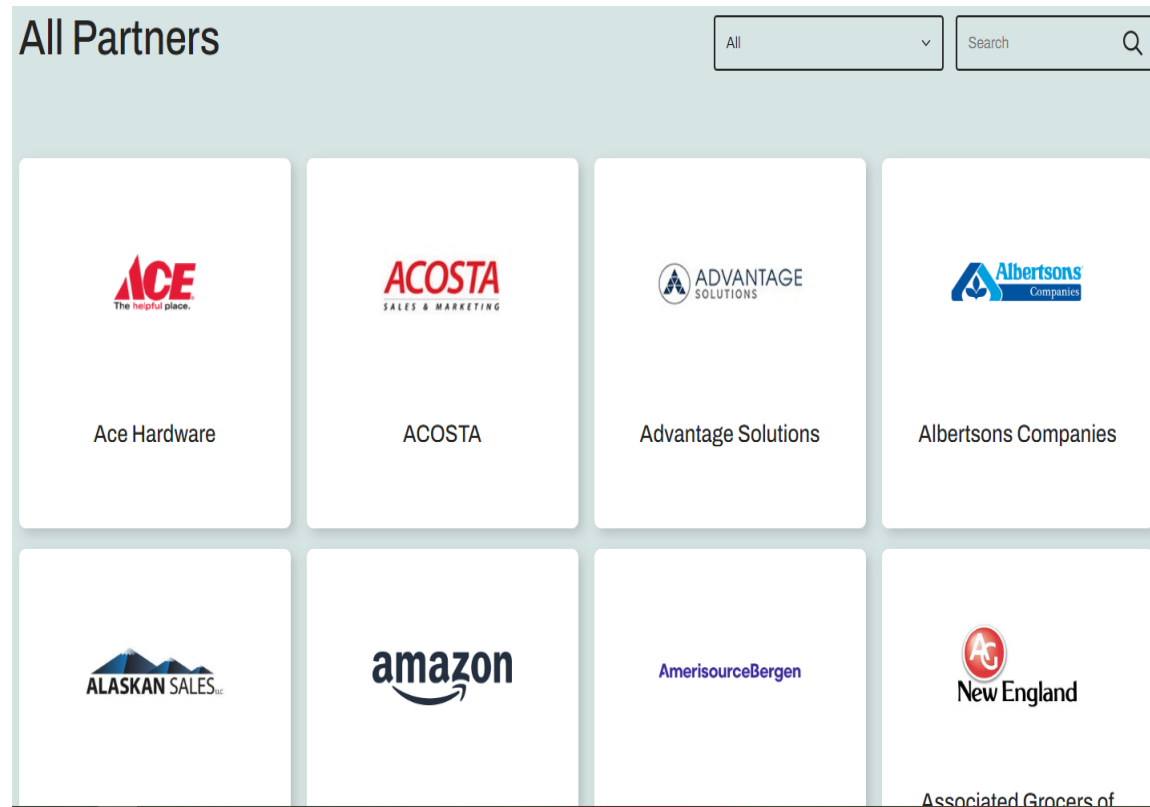
A screenshot of the login form in the Item Management section. It includes a text input field with an 'Edit' link to its right. Below it is a password input field with a 'Password' label and a toggle icon. A 'Forgot password?' link is highlighted with a teal box. At the bottom is a blue 'Continue' button.



Additional Resources

More About Recipient Steps

Visit our Trading Partners page:
<https://1worldsync.com/trading-partners/>



1WorldSync Community

Learn. Share. Discuss. Grow

Access a world of knowledge

<https://community.1worldsync.com/>

The screenshot shows the top navigation bar with links for Product Support, Who Are You Publishing To?, 1WorldSync Academy, Library, Events, Community Info, and Internal Tools. The main content area features a 'Welcome back,' message, a search bar with 'All community' selected and 'Search all content' entered, and a 'Start a conversation' button. On the right, there are two white boxes: 'User Statistics' showing 0 posts, 0 solutions, 0 kudos given, and 0 kudos received; and 'Your latest notification' stating 'You earned a new Badge!'. At the bottom, there is a row of six icons with labels: 1WorldSync Academy (building icon), Library (books icon), Item Management (hierarchy icon), Content HUB (upload icon), Digital Catalog (document icon), and Foodservice (fork and knife icon).

Register for Upcoming Training Webinars

Community → Events Calendar

Home > Events > Events Calendar

Options

Events Calendar

View: [List Icon] [Calendar Icon]

July 2023						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27 Training - Item Manage...	28	29	30	1
2	3	4	5	6	7 Scheduled Maintenance ...	8
9	10	11 Training - 101 Basic - Ite...	12	13 Training - 101 Basic - Ite...	14	15 Scheduled Maintenance ...
16	17	18 Training - 101 Basic - Ite...	19 Training - 301 Expert - CS...	20 Training - 301 Expert - CS...	21	22
23	24	25 Training - 101 Basic - Ite...	26 Training - 201 Advanced ...	27 Training - 201 Advanced ...	28	29
30	31	1 Training - 101 Basic - Ite...	2	3	4	5

Item Management Training Modules

Click on the title of the recording to view in the Get Started with IM Training how-to videos in the Community

[Community](#) → 1WorldSync Academy → Training

Get Started with IM Training

[Video: Getting Started with Item Management](#)

[Item Management Video: How to Add a New Item](#)

[Item Management Video: How to Clone in Item Management to Create a New Item](#)

[Item Management Video: How to Link Items to Create a Hierarchy](#)

[Video: IM "How To" Tutorial Video - Publish and Confirm Sync Status](#)

[Register for IM Overview Q&A Webinar via Calendar](#)

Register Now & Earn Your Digital Badge!

Content Syndication for Commerce Professionals - Certification

Attend the Content Syndication for Commerce Professionals – Certification training sessions (2- day series) and learn how to master your product content synchronization like a pro so that your workflow processes become second nature.

Learning Takeaways:

- Gain guidance on mandatory versus optional product attribution
- Learn how to simplify complex hierarchies
- Flexibly adapt product content to multiple retailer requirements to increase product sales
- Increase consumer loyalty and engagement through message choreography that empowers your product content information

Walkaway With:

- A certificate of course completion
- 1 hour of complimentary, customized one-on-one implementation guidance tailored to the needs of your organization
- A complimentary seat at the next Load Sheet (FUSE) training class
- **All for a valuable package price of \$1200!** Have a co-worker or industry peer who would also benefit from the value of this training? Take advantage of additional seats at a discounted rate.



Thank You