



WORLD  
SYNC<sup>®</sup>

**DATA** SYNC *direct*

# Release Notes

**DATA SYNC DIRECT 8.7.6**

VERSION 1

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# Introduction

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## Overview

This document contains the content for the Data Sync Direct (DSD) 8.7.6 release, including new features and functionality, August 2022 GDSN 3.1.20 New Attributes & Efficient Code Lists release updates, and defect resolutions.

## Software Installation

If you would like more information about installing this release, please contact your IWorldSync Account Representative or email [dsdsupport@iworldsync.com](mailto:dsdsupport@iworldsync.com).

## Documentation

The documents listed below are available in the **IWorldSync Community** platform. *Note:* See [Appendix B](#) for instructions to access these documents.

- DSD 8.7 User Guide
- DSD 8.7 Administrator Guide
- DSD 8.7 Browser Configuration Guide
- IM 8.30 Participant Dictionary
- Supported Browsers and Platforms

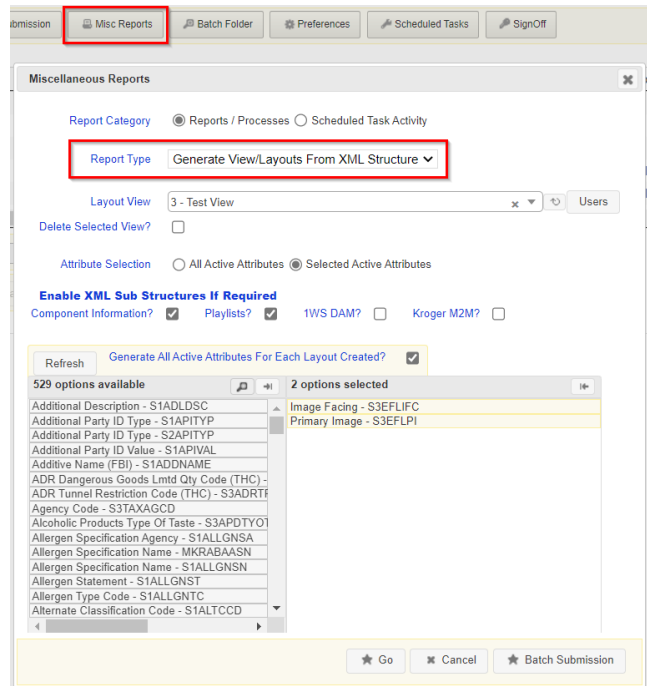
**On November 30, 2022, the Solution Center site will sunset.** Our team has worked tirelessly to migrate content, documentation, and resources from the Solution Center to the [IWorldSync Community platform](#). Full Solution Center functionality will still be available. However, after the 30<sup>th</sup> of November, the Community will be your portal for documentation, support, training and more!

## New Features & Functionality

### Auto Layout/View Creation

Use the new **Generate View/Layouts From XML Structures** process in Quick Browse to auto generate new layouts quickly and easily for one or more newly activated attributes. If any of the newly activated attributes are part of an attribute group, DSD can grab the other active attributes in that group and include them in the new layouts as well. The new layouts can then be used to replace the existing layouts currently in your view(s).

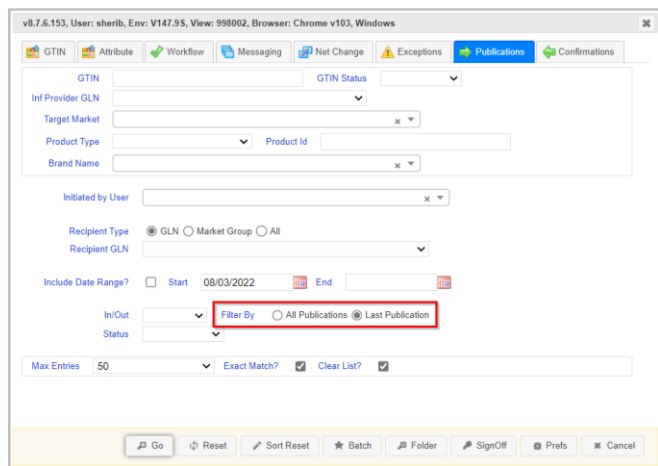
Access to this new Misc Reports option is controlled by Role Permission *Other - Generate View From XML (K\_VIEWGEN)* and is shipped as disabled. This option is intended for use by administrators only as it can directly update your existing views.



### Publications & Confirmations Search

Focus on the most recent publications and confirmations utilizing our new **Last Publication** and **Last Confirmation** filters.

These filters show you the most recent publication or confirmation for a published hierarchy. They are available in the Publications and Confirmations search and the Publications and Confirmations tabs. If you need to see the full publication or confirmation history, simply switch back to **All Publications** or **All Confirmations**. The last used filter is remembered per user.



## Workflow Events

### Any GTIN Data Changed

New Workflow Event *Any GTIN Data Changed* (*GTIN\_DATA\_CHANGED*) is now available for use. This event triggers when data on an existing GTIN is changed and saved from any source (i.e., UI, spreadsheet upload, ERP XML). Only one workflow generates per GTIN save, regardless of the quantity of attributes changed.

### Synced GTIN Data Changed

New Workflow Event *Synced GTIN Data Changed* (*SYNCED\_DATA\_CHANGED*) is now available for use. This event triggers when data on an existing GTIN in Synced status (green check) is changed and saved from any source (i.e., UI, spreadsheet upload, ERP XML). Only one workflow generates per GTIN save, regardless of the quantity of attributes changed.

To mitigate possible issues with transaction processing, new System Value *Net Change Synced If Item Add/Chg Underway* (*K\_SYCHKAM*) can be set to Y to trigger the workflow if a change transaction is in an Underway status after the previous workflow is completed but the GTIN has not yet updated to a Synced status.

## Event Notification Service (ENS)

### Export XML

New ENS *Export XML* (*ENSEXP01*) is now available for use with workflow. This ENS triggers generation of an Export based on the configuration of several system values.

- New System Value *View for ENS Workflow Export* (*K\_EXPVEW*) determines the view used for the Export (populate with a valid view number).
- New System Value *Export All GTINs in Hierarchy* (*K\_EXPHRC*) determines if only the targeted GTIN is included in the Export (N) or if all GTINs in the hierarchy are included in the Export (Y).
- Existing System Value *Export Folder* (*K\_EXPORT*) determines the folder in which the Export is placed.

## Create Add/Change Transaction

New ENS *Create Add/Change Transaction (ENSTRN01)* is now available for use with workflow. This ENS triggers an Item Add or Change transaction, depending on the status of the GTIN. When processing the workflow, best practice is to ensure the GTIN is error free before approving the step previous to the ENS so that the transaction can successfully trigger. The transaction trigger results will display in the workflow step notes if the ENS is attached to a step.

## API for GTIN Hierarchy

This release introduces a new API for the GTIN hierarchy. Use the new **hierarchy** API to retrieve all levels of the GTIN hierarchy for one or more GTINs. View the details for each API, including request and response examples, in our [DSD REST API Documentation](#).

## Net Change

Changes to a numeric value that are mathematically the same before and after (i.e., 1.00 to 1) will not be logged by Net Change when new System Value *Net Change Test Numerics For Redundancies (K\_NETNUMR)* is set to Y. This new System Value is defaulted to N and will process numeric changes normally unless specifically changed to Y.

## Permission for Item Validation

Administrators can now create roles that grant permission to validate an item in Quick Browse but block permission to create or change an item. To set this role authority, check new permission *GTIN Validation (DSDOCTL7B)* and uncheck permission *Change A GTIN (DSDOCTL07)*.

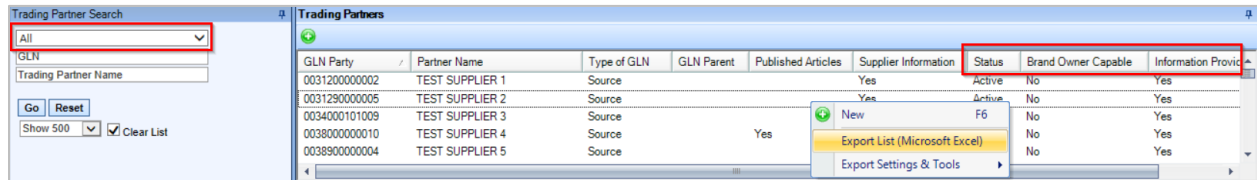
## Attribute Maintenance

Attribute maintenance now provides a search field for the attribute's Active status (active vs inactive).

Name	Description	Type	Length	Category	Sub-Category	Active?
S2AFTMOA	Free Text Mode of Administration	Memo Long	700	GDSN		N
S2AGTINH	Number of Layers Per Pallet/Non GTIN Pallet Hi	Input Field	10	GDSN		N
S2AITMFLG	AVP Item Flag	Input Field	100	GDSN		N
S2ALCGRM	Volume of Alcohol in Weight	Input Field	10	GDSN		N
S2ALCPCT	Volume of Alcohol in %	Input Field	10	GDSN		N
S2ALTCDD	Alternate Item Classification Code	Input Field	80	GDSN		N
S2AMSTTT	Marketing Text Short Text Teaser	Memo Long	700	GDSN		N
S2ANFING	Avp Non Food Ingredients	Input Field	255	GDSN		N
S2AQIPLT	Number of Items/Pallet	Input Field	10	GDSN		N
S2AVPNTI	AVP Name	Input Field	70	GDSN		N

## Trading Partners Maintenance

In Trading Partner maintenance search, type now defaults to All. Additional columns for Status, Brand Owner Capable and Information Provider Capable are now included in the instance list. Right click in the instance list to export the instance list into Excel, including the newly added columns.



## Playlists

A new playlist for **Bunzl US Foods** and updates to the **Bunzl** and **The Emerson Group** playlists are included in this release.



## GDSN 3.1.20 Release

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### Overview

The **August 13, 2022, GDSN 3.1.20 New Attributes & Efficient Code Lists release** contains updates to attributes, valid values and validations. This DSD release includes GDSN updates as applied to Item Management (IM) 8.30. This release is backwards compatible.

Attributes	Valid Values	Validations
<ul style="list-style-type: none"> <li>• 5 Adds</li> <li>• 3 Changes</li> </ul>	<ul style="list-style-type: none"> <li>• 71 Adds</li> <li>• 1 Change</li> </ul>	<ul style="list-style-type: none"> <li>• 1 Delete</li> </ul>

### IM Release Timing

The Item Management (IM) 8.30 release is scheduled for deployment to Pre-Production on August 5, 2022, and to Production on August 13, 2022.

### Reference Documents

The **IM 8.30 Participant Dictionary** provides full details on attribute, valid value, and validation updates. *Note: See [Appendix B](#) for instructions to access documents in the 1WorldSync Community.*

## Attributes

### Attribute Adds

The following attributes are new in this release.

- Cheese Moisture Percentage  
cheeseMoisturePercentage (S3CMP)
- Cheese Ripening Process Code  
cheeseRipeningProcessCode (S3CRPC)
- Firmness Of Cheese Code  
firmnessOfCheeseCode (S3FOCC)
- Light Beam Type Code  
lightBulbInformation/lightBeamTypeCode (S3LBILBTC)

- Nutritional Program Status Code  
nutritionalProgram/nutritionalProgramStatusCode (S3NPNPSC)

## Attribute Changes

The following attributes are changing in this release.

- **Length Increases**
  - Preparation Instructions: 2500 → 5000  
foodAndBevPreparationInfo/preparationInstructions (S3CPREPIN)  
componentInformation/foodAndBeveragePreparationServing/preparationServing/preparationInstructions
- **Planned for Future Deprecation** – The following attributes are planned for deprecation in a future GDSN release.
  - Allergen Specification Agency  
allergenRelatedInformation/allergenSpecificationAgency (S1ALLGNSA)  
componentInformation/allergenInformation/allergenRelatedInformation/allergenSpecificationAgency (S3COALSAG)
  - Allergen Specification Name  
allergenRelatedInformation/allergenSpecificationName (S1ALLGNSN)  
componentInformation/allergenInformation/allergenRelatedInformation/allergenSpecificationName (S3COALNAM)

## Valid Values

The following valid value lists are new in this release.

- CheeseRipeningProcessCode
- FirmnessOfCheeseCode
- LightBeamTypeCode
- NutritionalProgramStatusCode

The following valid value lists have new valid values added in this release.

- alternateClassificationSchemeCode
- FDASizeTypeUOM
- FNBDietTypeCode
- FBNutrientTypeCode
- GrowingMethodCodes
- ImportClassificationType
- NutritionalClaimNutrientElementCode

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- NutritionalProgramCodes
- NutritionalProgramIngredientTypeCode
- PackagingFeatureCode
- PackagingMarkedLabelAccreditationCode
- PackagingMaterialTypeCode
- PreservationTechniqueCodeList
- TimeUOM
- TradeItemRegulationTypeCode
- uom

### **Valid Value Changes**

The following valid values are changing in this release.

- **Description Change**
  - NutritionalClaimNutrientElementCode valid value list:
    - FRAGRANCE (Fragrance/Perfume)

## **Validations**

### **Validation Deletes**

The following validation is deleted in this release.

- GDSN #1716 / IM #2737: AllergenRelatedInformation is only repeatable when either the Allergen Specification Agencies or the Allergen Specification Names are populated or when both are populated, the values of the pairs [Allergen Specification Agency and Allergen Specification Name ] shall be different. If the Allergen Specification Agencies and Allergen Specification Names are the same, repeat the Allergens Types within the same Allergen group (class).

## Other GDSN Updates

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Other GDSN changes not associated to GDSN 3.1.20 are included in this release. Please see the Participant Dictionary for full details.

## Valid Values

### Valid Value Adds

Added new valid values for AVP attribute labellingCountryOfOrigin needed for synchronizing to GS1 Australia.

## Defect Resolution

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The following bug fixes are included in this DSD release.

- **Extracts**
  - Updated Extract logic to support Unicode files using UTF-16 encoding. New System Value *Text Files are Created as Unicode UTF-16* (K\_UNICODE) must be set to Y when populating attributes in languages that require the UTF-16 encoding, such as Chinese. When set to Y, use the tsv file format when generating an Extract for the file to load directly into Excel. This fixes an issue where values populated in Chinese did not populate on Extracts.
- **GTIN Maintenance**
  - Corrected the logic for deleting attribute values to ensure all data is removed, including values with more than 128 characters. This fixes an issue where a row of external file link data was removed but resulted in an erroneous mandatory within optional group validation error.
- **Layouts/Views**
  - Corrected logic for the auto generation of flex type AG group layouts when not sequenced first. This fixes an issue where the layout for attributes GHS Signalwords Code (S1CHGHSSC) and GHS Symbol Description Code (S1CHGHSSD) were generated at the wrong level.
- **Spreadsheet Upload**
  - Corrected inbound CIN processing for attributes that are both language and RDD dependent. This fixes an issue where multiple rows of attribute Trade Item Key Words (S3TITKEYW) did not load correctly using horizontal spreadsheet.
- **Validations**
  - Updated the logic for validation rule GDSN #576 / IM #352 to utilize the correct attributes (SINGTINTI & SINGTINHI). This fixes an issue where the validation triggered erroneously.
  - Updated the logic for validation rule GDSN #1764 / IM #2815 to correctly check for any language value for attribute Daily Value Intake Reference (SIDVIR). This fixes an issue where the validation triggered erroneously when the English value was blank but a non-English value was populated.

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- Updated the logic for validation rule GDSN #1779 / IM #2829 to correctly sum values within a single row of Nutrient Information. This fixes an issue where the validation triggered erroneously for items with multiple rows of Nutrient Information.
- Removed mandatory within optional group validations associated with the Product Size attribute group. This fixes an issue where a validation triggered erroneously requiring attribute Product Size Code Maintenance Agency (SISIZAGN) when Product Size Code (SISIZCOD) or Descriptive Size (SISIZDES) was populated.

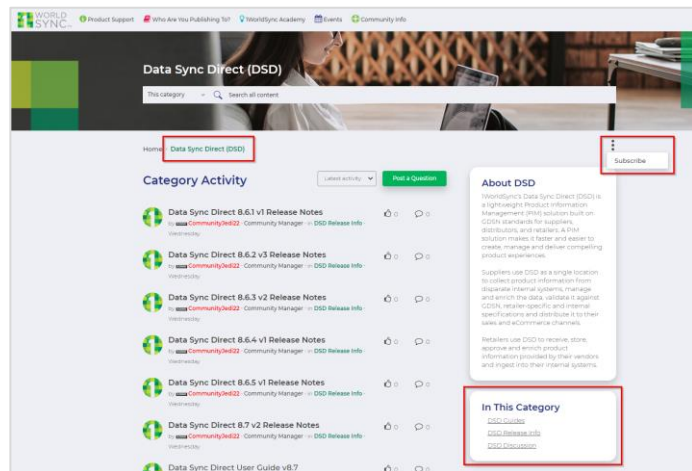
# IWorldSync News

## Customer Community

Have you heard about our online IWorldsync Community? This interactive Community platform provides you with a single source for education, self-serve support, and peer-to-peer collaboration.

The Community empowers brands, retailers, operators, and distributors by tapping into the broad knowledge and tools needed to create, maintain, and manage product content initiatives. Through the customer groups capability, retailers can directly connect with their suppliers, leading to streamlined communications and stronger supplier relationships. You can utilize the key word search functionality to search for existing content, ask questions, work with other customers, receive training and more.

Data Sync Direct has a dedicated area in the community. Just select **Data Sync Direct (DSD)** from the **Product Support** menu to access DSD guides, DSD release info, get involved in DSD discussions and more! Click the kebab menu icon  and click **Subscribe** within any of these areas to be notified when new content is posted.



This platform is part of the IWorldSync subscriptions, and you can utilize your existing username and password for your IWorldSync solutions via single sign-on. We look forward to working with you in the IWorldSync Community! Simply visit the [Community Homepage](#) and complete a short registration process to get started.

# System Maintenance

## Standard Maintenance Window


IWorldSync performs standard system maintenance, during which IWorldSync solutions may be unavailable without prior notification. In addition, users may not be able to access the IWorldSync Solution Center during these times.

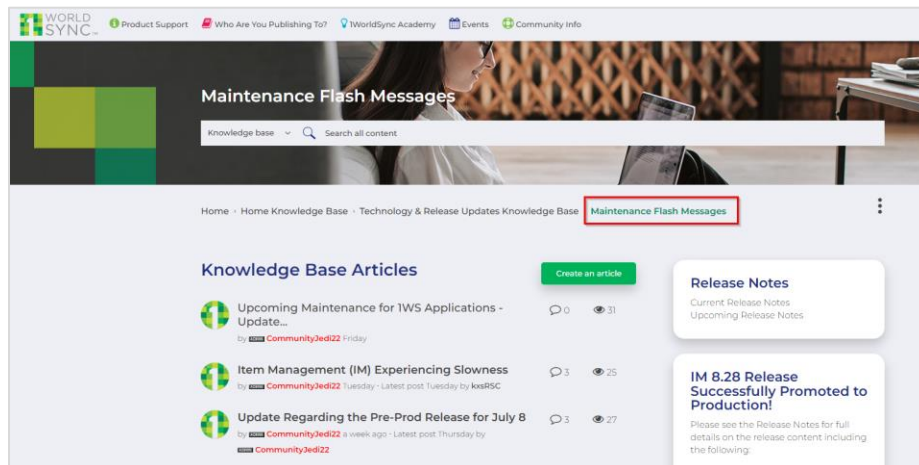
For machine-to-machine (M2M) communications, IWorldSync will continue to receive AS2 inbound messages during these times (unless specific communication is provided indicating otherwise) but will delay processing of AS2 transactions until the maintenance is completed.

The standard maintenance windows are as follows:

Environment	Standard Maintenance Window
Pre-Production	Fridays 2:00pm – 6:00pm ET (19:00 – 23:00 GMT)
Production	Saturdays 9:00am – 1:00pm ET (14:00 – 18:00 GMT)

## Scheduled Maintenance

Access information about upcoming scheduled maintenance for Item Management (IM) within our **IWorldSync Community** under Product Support > [Technology & Release Updates](#) > [Maintenance Flash Messages](#). If you would like to be notified via email, click the kebab menu icon  and click **Subscribe**.







## Appendix A: Revision History

Date	Release	Version	Description of Change	Author
8/12/2022	DSD 8.7.6	1	Initial document	S. Brackett

## Appendix B: Accessing Documentation

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Follow the steps below to access documents in the **1WorldSync Community** platform. If you need further assistance, please contact us at [dsdsupport@1worldsync.com](mailto:dsdsupport@1worldsync.com).

1. Go to the [Community](#) login page
  - a. Log in using your 1WorldSync IM Production user name and password
2. For access to **DSD Guides**:
  - a. In the *Product Support* menu at the top of the page, select *Data Sync Direct (DSD)*
  - b. Within the *In This Category* section, select *DSD Guides*
  - c. If you would like to be notified any time these documents are updated in the Community, click the kebab menu icon  and click **Subscribe**
3. For access to the **Participant Dictionary**:
  - a. In the *Product Support* menu at the top of the page, select *Item Management*
  - b. Within the *In This Category* section, select *IM Solution Docs*
  - c. If you would like to be notified any time these documents are updated in the Community, click the kebab menu icon  and click **Subscribe**