



WORLD
SYNC

Release Notes

Preliminary

ITEM MANAGEMENT 8.20

VERSION 4

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Introduction

Overview

This document contains planned content for the Item Management (IM) 8.20 release, including the May 2021 GDSN 3.1.15 release impacts and machine-to-machine updates.

Non-Backwards Compatibility

This release is non-backwards compatible for Item Management (IM). The changes specified as non-backwards compatible are provided in the [GDSN Updates](#) section. In addition, a new Item Load (FUSE) spreadsheet will be available to trading partners to accommodate changes in this release.

Updates to the 1WS XML schemas are also included with this release. While these updates are backwards compatible, we highly recommend adoption of the new schemas to utilize the updates included with this release. See the [M2M Updates](#) section for more details.

Solutions Impacted

This release impacts the following 1WorldSync solutions:

- Item Management (IM)
- Product Introduction (PI/VIP)
- Content1

Release Dates

Release dates are as follows:

Release	Pre-Production	Production
Item Management (IM) 8.20	January 29, 2021 May 7, 2021	May 15, 2021
Product Introduction (PI/VIP) 4.21	March 26, 2021 May 7, 2021	
Content1 3.1.15		

Documentation

The documents listed below are updated for this release and are available in the 1WorldSync Solution Center Implementation tab. Please review the document change records for details about the updates. See [Appendix B](#) for instructions to access documents in the 1WorldSync Solution Center.

- IM 8.20 Participant Dictionary
- IM 8.20 Validations Document
- IM 8.20 1WS XML Schemas
- IM 8.20 Data Source & Data Recipient 1WS XML Samples, Guides & Excel Companions
- IM 8.20 Inbound API Sample

GDSN Updates

GDSN 3.1.15 Release Overview

The May 15, 2021 GDSN 3.1.15 Large Maintenance release contains updates to attributes, code lists (valid values), validations and GPC codes. Item Management (IM) 8.20 includes the GDSN updates shown below. **This is a non-backwards compatible release for IM.**

- **Attributes**
 - [9 attribute migrations](#) - ****non-backwards compatible changes****
 - [98 attribute additions](#)
 - [37 attribute and 6 attribute group changes](#)
- **Code Lists (valid values)**
 - [1110 valid value additions](#)
 - [90 valid value changes](#)
 - [2 valid value deletes](#)
- **Validations**
 - [20 validation additions](#)
 - [5 validation changes](#)
 - [5 validation deletes](#)
- **GPC Codes**
 - [49 GPC additions](#)
 - [6 GPC changes](#)
 - [6 GPC deletes](#)

*New attributes are added exclusively in Item Management (IM) Enhanced.
While some new attributes may appear in IM Classic, they will not all be available.
We highly recommend you utilize IM Enhanced for full access to all attribution and functionality.*

Full details on attributes, code lists (valid values) and validations can be found in the IM 8.20 Participant Dictionary and Validations Document (refer to the document change record for specifics).
Note: See [Appendix B](#) for instructions to access documents in the 1WorldSync Solution Center.

For details on GPC codes, please refer to the GS1 Global Product Classification (GPC) web pages at <https://www.gs1.org/standards/gpc>.

1WS XML Schemas

New 1WS XML schemas are available for this release. While the updates to the schemas are backwards compatible, we highly recommend adoption of the new schemas to utilize the updates included with this release. See the [1WS XML Schema Updates](#) section for more details.

Item Load (FUSE)

An updated version of the Item Load (FUSE) spreadsheet for uploading data to Item Management (IM) will be provided to accommodate the new and changing attributes in this release. You can easily download the new version of the Item Load (FUSE) spreadsheet after the release deployment dates using the Export Data option in IM.

Pre-Production Release Testing

Due to the large number of changes associated with this release, especially changes that impact our healthcare community, Item Management (IM) 8.20 will be released into our Pre-Production environment on January 29, 2021, providing an extended 15-week test period before the Production release on May 7, 2021. Customers wanting to test should ensure they have access to their Pre-Production instance prior to January 29. Please contact us at technicalsupport@1worldsync.com for any assistance with access.

Production Deployment Outage

There will be an extended outage window for the production deployment on May 15, 2021 from 9:00am – 6:00pm ET.

GDSN 3.1.15 Attribute Updates

Attribute Migrations

9 attribute migrations are listed below and grouped by the type of new attribute structure. These changes are **non-backwards compatible** for this Item Management (IM) release. Existing values in IM for these attributes will be migrated during the respective Pre-Production and Production [release deployment dates](#).

- **New Repeating Groups with Sequence Number** - The following attributes are migrating to new repeating groups with a sequence number
 - Ingredient Statement
ingredientStatement → ingredientStatement/statement & ingredientStatement/sequenceNumber
 - Ingredient Statement (Component Information section)
componentInformation/foodAndBeverageIngredientInformation/ingredientStatement →
componentInformation/foodAndBeverageIngredientInformation/ingredientStatement/statement &
componentInformation/foodAndBeverageIngredientInformation/ingredientStatement/sequenceNumber
- **New Repeating Groups** - The following attributes are migrating to new repeating groups
 - Nutritional Program Code
nutritionalProgramCode → nutritionalProgram/nutritionalProgramCode
 - Nutritional Program Detail
nutritionalProgramDetail → nutritionalProgram/nutritionalProgramDetail
 - Nutritional Score
nutritionalScore → nutritionalProgram/nutritionalScore
 - Nutritional Value
nutritionalValue → nutritionalProgram/nutritionalValue
 - Nutritional Program Ingredient Measurement
nutritionalProgramIngredientMeasurement →
nutritionalProgram/nutritionalProgramIngredients/nutritionalProgramIngredientMeasurement
 - Nutritional Program Ingredient Type Code
nutritionalProgramIngredientTypeCode →
nutritionalProgram/nutritionalProgramIngredients/nutritionalProgramIngredientTypeCode
- **New Multilingual Capability** - The following attribute is migrating to a structure that allows values for multiple languages
 - Non Food Ingredient Name : A → AQM
nonfoodIngredient/nonFoodIngredientName

Attribute Additions

98 new attributes are listed below with their 1WS XML name and grouped by module.

- **Alcohol Info**

- Alcohol Beverage Age
alcoholBeverageAge
- Alcohol Beverage Container Material Code
alcoholBeverageContainer/containerMaterialCode
- Alcohol Beverage Container Process Type Code
alcoholBeverageContainer/containerProcessTypeCode
- Alcohol Beverage Container Shape Code
alcoholBeverageContainer/containerShapeCode
- Alcohol Beverage Container Type Code
alcoholBeverageContainer/containerTypeCode
- Alcohol Beverage Distilled From Code
alcoholBeverageDistilledFromCode
- Alcohol Beverage Filtering Method Type Code
alcoholBeverageFilteringMethodTypeCode
- Alcohol Beverage Production Method Type Code
alcoholBeverageProductionMethodTypeCode
- Alcohol Beverage Type Code
alcoholBeverageTypeCode
- Beer Style Code
beerStyleCode
- Is Cask Strength
isCaskStrength
- Primary Added Flavouring Code
primaryAddedFlavouringCode
- Secondary Added Flavouring Code
secondaryAddedFlavouringCode

- **Certification Info**

- Certification Execution Country Code
certificationInformation/certification/certificationExecutionCountryCode
- Certification Execution Country Code
componentInformation/certificationInformation/certification/certificationExecutionCountryCode

- **Chemical Regulation Info**

- Carcinogenic Mutagenic Reprotoxic Type Code
chemicalRegulationInformation/chemicalRegulation/regulatedChemical/carcinogenicMutagenicReprotoxicTypeCode
- Carcinogenic Mutagenic Reprotoxic Type Code
componentInformation/chemicalRegulations/chemicalRegulationInformation/chemicalRegulation/regulatedChemical/carcinogenicMutagenicReprotoxicTypeCode
- Regulated Chemical Type Code
chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalTypeCode
- Regulated Chemical Type Code
componentInformation/chemicalRegulations/chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalTypeCode

- **Diet Info**
 - Certification Execution Country Code
foodAndBevDietTypeInfo/certification/certificationExecutionCountryCode
 - Certification Execution Country Code
componentInformation/dietInformation/foodAndBevDietTypeInfo/certification/certificationExecutionCountryCode
- **Food and Bev Ingredient**
 - Sequence Number
ingredientStatement/sequenceNumber
 - Sequence Number
componentInformation/foodAndBeverageIngredientInformation/ingredientStatement/sequenceNumber
- **Health Care Item Info**
 - Clinical Size Measurement Precision
clinicalSize/clinicalSizeMeasurementPrecisionCode
 - Clinical Size Value Maximum
clinicalSize/clinicalSizeValueMaximum
 - Clinical Storage Handling Description
clinicalStorageHandlingInformation/clinicalStorageHandlingDescription
 - Clinical Storage Handling Type Code
clinicalStorageHandlingInformation/clinicalStorageHandlingTypeCode
 - Does Trade Item Contain Animal Tissue
doesTradeItemContainAnimalTissue
 - Does Trade Item Contain Microbial Substance
doesTradeItemContainMicrobialSubstance
 - Warnings or Contra Indication Description
clinicalWarning/warningsOrContraIndicationDescription
- **Lighting Device**
 - Declared Power
lightBulbInformation/declaredPower
 - Equivalent Light Bulb Power
lightBulbInformation/equivalentLightBulbPower
 - Is Light Bulb Suitable for Accent Lighting
lightBulbInformation/isLightBulbSuitableForAccentLighting
 - Light Bulb Warm Up Time
lightBulbInformation/lightBulbWarmUpTime
 - Maximum Color Temperature
lightBulbInformation/maximumColourTemperature
 - Minimum Color Temperature
lightBulbInformation/minimumColourTemperature
- **Medical Device Trade Item**
 - Annex XVI Intended Purpose Type Code
annexXVIIntendedPurposeTypeCode
 - Device Sub Status End Date Time
medicalDeviceSubStatusInformation/deviceSubStatusEndDateTime
 - Device Sub Status Start Date Time
medicalDeviceSubStatusInformation/deviceSubStatusStartDateTime

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- EU Medical Device Status Code
eUMedicalDeviceStatusCode
- EU Medical Device Sub Status Code
medicalDeviceSubStatusInformation/eUMedicalDeviceSubStatusCode
- Has Device Measuring Function
hasDeviceMeasuringFunction
- Is Active Device
isActiveDevice
- Is Device Companion Diagnostic
isDeviceCompanionDiagnostic
- Is Device Designed for Professional Testing
isDeviceDesignedForProfessionalTesting
- Is Device Exempt from Implant Obligations
isDeviceExemptFromImplantObligations
- Is Device Instrument
isDeviceInstrument
- Is Device Intended to Administer or Remove Medicinal Product
isDeviceIntendedToAdministerOrRemoveMedicinalProduct
- Is Device Medicinal Product
isDeviceMedicinalProduct
- Is Device Near Patient Testing
isDeviceNearPatientTesting
- Is Device Patient Self Testing
isDevicePatientSelfTesting
- Is Device Reagent
isDeviceReagent
- Is New Device
isNewDevice
- Is Reprocessed Single Use Device
isReprocessedSingleUseDevice
- Is Reusable Surgical Instrument
isReusableSurgicalInstrument
- Multi Component Device Type Code
multiComponentDeviceTypeCode
- Recall Precision
medicalDeviceSubStatusInformation/recallPrecision
- Recall Scope Type Code
medicalDeviceSubStatusInformation/recallScopeTypeCode
- Special Device Type Code
specialDeviceTypeCode
- System Or Procedure Pack Medical Purpose Description
systemOrProcedurePackMedicalPurposeDescription
- System Or Procedure Pack Type Code
systemOrProcedurePackTypeCode
- UDI Production Identifier Type Code
uDIProductionIdentifierTypeCode

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- **Nutritional Info**
 - Claim Marked On Package
nutritionalClaimDetail/claimMarkedOnPackage
 - Claim Marked On Package
componentInformation/nutritionalInformation/nutritionalClaimDetail/claimMarkedOnPackage
- **Sales Info**
 - End Availability Date Time
targetMarketSalesConditions/salesConditionTargetMarketCountry/endAvailabilityDateTime
 - Start Availability Date Time
targetMarketSalesConditions/salesConditionTargetMarketCountry/startAvailabilityDateTime
- **Trade Item**
 - Brand Owner Language Specific Party Name
brandOwnerLanguageSpecificPartyName
 - Communication Channel Code
globalModelInformation/globalModelContactInformation/afterHoursCommunicationChannel/communicationChannelCode
 - Communication Channel Name
globalModelInformation/globalModelContactInformation/afterHoursCommunicationChannel/communicationChannelName
 - Communication Value
globalModelInformation/globalModelContactInformation/afterHoursCommunicationChannel/communicationValue
 - Complement Address
brandOwnerStructuredAddress/complementAddress
 - Complement Address
informationProviderStructuredAddress/complementAddress
 - Complement Address
manufacturer/structuredAddress/complementAddress
 - Complement Address
partyInRole/structuredAddress/complementAddress
 - Complement Address
tradeItemContactInfo/structuredAddress/complementAddress
 - Contact Type
globalModelInformation/globalModelContactInformation/contactTypeCode
 - Country Code
globalModelInformation/globalModelRegulatoryInformation/globalModelRegulatoryActCountry/countryCode
 - Country Subdivision Code
globalModelInformation/globalModelRegulatoryInformation/globalModelRegulatoryActCountry/countrySubdivisionCode
 - Department Name
globalModelInformation/globalModelContactInformation/departmentName
 - Global Model Description
globalModelInformation/globalModelDescription
 - Global Model Regulatory Act
globalModelInformation/globalModelRegulatoryInformation/globalModelRegulatoryAct
 - Information Provider Language Specific Party Name
informationProviderLanguageSpecificPartyName

- Is Communication Channel Preferred?
globalModelInformation/globalModelContactInformation/afterHoursCommunicationChannel/isCommunicationChannelPreferred
- Job Title
globalModelInformation/globalModelContactInformation/jobTitle
- Manufacturer Language Specific Party Name
manufacturer/languageSpecificPartyName
- Party Language Specific Party Name
partyInRole/languageSpecificPartyName
- Person Name
globalModelInformation/globalModelContactInformation/personName
- PO Box
brandOwnerStructuredAddress/poBox
- PO Box
informationProviderStructuredAddress/poBox
- PO Box
manufacturer/structuredAddress/poBox
- PO Box
partyInRole/structuredAddress/poBox
- PO Box
tradeItemContactInfo/structuredAddress/poBox
- Responsibility
globalModelInformation/globalModelContactInformation/responsibility
- Street Number
brandOwnerStructuredAddress/streetNumber
- Street Number
informationProviderStructuredAddress/streetNumber
- Street Number
manufacturer/structuredAddress/streetNumber
- Street Number
partyInRole/structuredAddress/streetNumber
- Street Number
tradeItemContactInfo/structuredAddress/streetNumber

Attribute Changes

37 attribute changes (across 34 attributes) and 6 attribute group changes are listed below and grouped by type of change.

- **Help Text Updates**

- Country Code
targetMarketSalesConditions/salesConditionTargetMarketCountry/countryCode
- Country Subdivision Code
targetMarketSalesConditions/salesConditionTargetMarketCountry/countrySubdivisionCode
- Healthcare Grouped Product Code
healthcareGroupedProductCode
- Non Food Ingredient Statement Message
nonfoodIngredientStatement/statement
- Nutritional Claim
componentInformation/nutritionalInformation/nutritionalClaim

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- Nutritional Claim
nutritionalClaim
- Regulated Chemical Name
chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalName
- Regulated Chemical Name
componentInformation/chemicalRegulations/chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalName
- Street Address
brandOwnerStructuredAddress/streetAddress
- Street Address
informationProviderStructuredAddress/streetAddress
- Street Address
manufacturer/structuredAddress/streetAddress
- Street Address
partyInRole/structuredAddress/streetAddress
- Street Address
tradeItemContactInfo/structuredAddress/streetAddress
- **Length Increases**
 - Additional Description: 500 → 2000
additionalDescription
 - Additional Description: 500 → 2000
componentInformation/descriptionInformation/additionalDescription
 - Certification Identification : 35 → 120
certificationInformation/certification/certificationIdentification
 - Certification Identification : 35 → 120
componentInformation/certificationInformation/certification/certificationIdentification
 - Certification Identification : 35 → 120
foodAndBevDietTypeInfo/certification/certificationIdentification
 - Certification Identification : 35 → 120
componentInformation/dietInformation/foodAndBevDietTypeInfo/certification/certificationIdentification
 - Regulated Chemical Description : 1000 → 2000
chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalDescription
 - Regulated Chemical Description : 1000 → 2000
componentInformation/chemicalRegulations/chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalDescription
 - Regulated Chemical Name : 1000 → 2000
chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalName
 - Regulated Chemical Name : 1000 → 2000
componentInformation/chemicalRegulations/chemicalRegulationInformation/chemicalRegulation/regulatedChemical/regulatedChemicalName
- **Mandatory-Dependent Changes**
 - Invoice Unit Indicator : No longer mandatory in all markets (see validation rule additions and deletes for details)
isInvoiceUnit

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- **Multiple Value Support**
 - Non Food Ingredient Statement Message : Single value multi-language → Multi-value multi-language
nonfoodIngredientStatement/statement
- **Planned for Future Deprecation** – The following attributes are planned for deprecation in a future GDSN release. See the Participant Dictionary for details on attributes to use instead.
 - Health Claim Description
healthClaimDescription
 - Health Claims
healthClaimCode
 - Package Marks Diet Allergen
packageMarksDietAllergen
 - Package Marks Free From
packageMarksFreeFrom
- **Recipient Specific Value Support** – The following attribute groups now have the ability to capture recipient specific values.
 - Certification Information group : AGM → AGRM
certificationInformation
 - Chemical Regulation Information group : AGM → AGRM
chemicalRegulationInformation
 - Clinical Size group : AGM → AGRM
clinicalSize
 - Clinical Warning group : AGM → AGRM
clinicalWarning
 - Food And Bev Diet Type Info group : AGM → AGRM
foodAndBevDietTypeInfo
 - Global Model Information group : AGM → AGRM
globalModelInformation
- **Truncation on Outbound GDSN CIN** – We only send the first 120 characters of the following attribute values when synchronizing to a GDSN recipient due to GDSN limits on these attributes.
 - Certification Standard
certificationInformation/certificationStandard
 - Certification Standard
componentInformation/certificationInformation/certificationStandard
 - Certification Standard
foodAndBevDietTypeInfo/certificationStandard
 - Certification Standard
componentInformation/dietInformation/foodAndBevDietTypeInfo/certificationStandard
 - Certification Value
certificationInformation/certification/certificationValue
 - Certification Value
componentInformation/certificationInformation/certification/certificationValue
 - Certification Value
foodAndBevDietTypeInfo/certification/certificationValue
 - Certification Value
componentInformation/dietInformation/foodAndBevDietTypeInfo/certification/certificationValue

GDSN 3.1.15 Code List (Valid Value) Updates

Valid Value Additions

1110 new valid values are summarized below by code list and grouped as Existing or New.

- **Existing Code Lists**

- AdditionalPartyIDList (3)
- AdditionalTradeItemIdentificationTypeCode (12)
- alternateClassificationSchemeCode (5)
- alternateItemIdentificationAgency (12)
- ApplicationIdentifierTypeCode (4)
- AreaCountDimensionInfoStorageMassVolumeUOM (7)
- BatteryTechnologyTypeCodeList (16)
- ClinicalWarningAgencyCode (1)
- ConsumerSalesCondition (2)
- ContactTypeCodeList (5)
- DensityUOM (4)
- EnergyUOM (7)
- FDASizeType (46)
- FDASizeTypeUOM (109)
- FeatureCode (3)
- FNBNutrientTypeCode (1)
- GAMBatteryType (3)
- MassEnergyVolumeInfoStorageUOM (14)
- MassUOM (6)
- MassVolumeCountUOM (7)
- MassVolumeProportionCountUOM (7)
- NutritionalClaimNutrientElementCode (2)
- NutritionalProgramCodes (1)
- NutritionalProgramIngredientTypeCode (1)
- PackagingFunctions (1)
- PackagingMarkedLabelAccreditationCode (14)
- PackagingMaterialTypeCode (1)
- PlatformTypeCode (1)
- PressureUOM (7)
- ReferencedFileTypeCode (1)
- SDSStandardCode (2)
- SoundUOM (1)
- TimeUOM (38)
- TradeItemRegulationTypeCode (1)
- uom (109)
- VelocityUOM (25)
- VolumeUOM (1)

- **New Code Lists**

- AlcoholBeverageDistilledFromCode (22)

- AlcoholBeverageFilteringMethodTypeCode (13)
- AlcoholBeverageTypeCode (148)
- AnnexXVIintendedPurposeTypeCode (6)
- BeerStyleTypeCode (136)
- CarcinogenicMutagenicReprotoxicTypeCode (2)
- ClinicalSizeMeasurementPrecisionCode (3)
- ClinicalStorageHandlingTypeCode (31)
- ContainerMaterialCode (7)
- ContainerProcessTypeCode (3)
- ContainerShapeCode (21)
- ContainerTypeCode (11)
- EUMedicalDeviceStatus (3)
- EUMedicalDeviceSubStatus (2)
- MultiComponentDeviceTypeCode (3)
- PrimaryAddedFlavouringCode (100)
- RecallScopeTypeCode (4)
- RegulatedChemicalTypeCode (4)
- SecondaryAddedFlavouringCode (100)
- SpecialDeviceTypeCode (4)
- SystemOrProcedurePackTypeCode (2)
- UDIProductionIdentifierTypeCode (5)

Valid Value Changes

90 valid value changes are summarized below by code list and grouped by type of change.

- **Description Change**
 - AdditionalTradeItemIdentificationTypeCode (5)
 - alternateClassificationSchemeCode (1)
 - alternateItemIdentificationAgency (5)
 - ImportClassificationType (1)
 - NutritionalClaimNutrientElementCode (1)
 - PackagingTypeCode (1)
 - ProductTypeCodes (1)
- **Planned for Future Deprecation** – The following valid values belong to attributes planned for deprecation in a future GDSN release. See the Participant Dictionary for details on attributes and valid values to use instead.
 - FeatureCode (1)
 - HealthClaimCode (4)
 - PackageMarksDietAllergen (21)
 - PackageMarksFreeFrom (49)

Valid Value Deletes

2 deleted value values are summarized below by code list.

- **Deleted Valid Values**
 - NutritionalClaimNutrientElementCode (1)
 - PackagingMarkedLabelAccreditationCode (1)

GDSN 3.1.15 Validation Updates

Validation Additions

20 new validations are listed below with the GDSN # / IM Rule # and error logic.

- **Item Load Validations**

- 1705 / 2732: If dietTypeCode equals 'PESCATARIAN' and dietTypeSubcode is used, then dietTypeSubcode SHALL be a value in ('PESCA', 'LACTO_OVO_PESCA').
- 1706 / 2733: If dietTypeCode equals 'VEGETARIAN' and dietTypeSubcode is used and targetMarketCountryCode is not '840' (US), then dietTypeSubcode SHALL be a value in ('OVO', 'LACTO', 'LACTO_OVO').
- 1707 / 2734: If dietTypeCode equals 'VEGETARIAN' and dietTypeSubcode is used and targetMarketCountryCode is '840' (US), then dietTypeSubcode SHALL be a value in ('OVO', 'LACTO', 'LACTO_OVO', 'PESCA', 'LACTO_OVO_PESCA').
- 1708 / 2735: If dietTypeCode equals 'KOSHER' and dietTypeSubcode is used, then dietTypeSubcode SHALL be a value in ('MEAT', 'FISH', 'DAIRY', 'PAREVE', 'KOSHER_FOR_PASSOVER', 'MEAT_FOR_PASSOVER', 'FISH_FOR_PASSOVER', 'DAIRY_FOR_PASSOVER', 'PAREVE_FOR_PASSOVER', 'DE', 'MEVUSHAL', 'KOSHER_FOR_PASSOVER_MEVUSHAL').
- 1716 / 2737: if AllergenRelatedInformation class is repeated, then ((allergenSpecificationAgency SHALL be populated with different values for each iteration) or (allergenSpecificationName SHALL be populated with different values for each iteration))
- 1717 / 2738: If NutrientDetail sub-class is used, then all nutrientTypeCode values shall be unique within the same NutrientHeader class.
- 1718 / 2739: If targetMarket/countryCode in ('276' Germany, '756' Switzerland) and foodAndBeverageIngredientModule/foodAndBeverageIngredient/.../productActivityTypeCode equals 'CATCH_ZONE' then foodAndBeverageIngredientModule/foodAndBeverageIngredient/.../productActivityRegionZoneCodeReference/enumerationValueInformation/enumerationValue SHALL NOT be in ('27', '37')
- 1719 / 2740: If targetMarket/countryCode in ('276' Germany, '040' Austria, '756' Switzerland) PlaceOfItemActivityModule/.../productActivityTypeCode equals 'CATCH_ZONE' then PlaceOfItemActivityModule/.../productActivityRegionZoneCodeReference/enumerationValueInformation/enumerationValue SHALL NOT be in ('27', '37')
- 1721 / 2742: If TargetMarket/targetMarketCountryCode is equal to ('036' (Australia) or '554' (New Zealand) or '250' (France)) then isTradeItemAnInvoiceUnit SHALL be used.
- 1722 / 2743: If additionalTradeItemClassificationSystemCode equals '85' then additionalTradeItemClassificationCodeValue shall equal ('EU_CLASS_I', 'EU_CLASS_IIA', 'EU_CLASS_IIB', 'EU_CLASS_III', 'IVDD_ANNEX_II_LIST_A', 'IVDD_ANNEX_II_LIST_B', 'IVDD_DEVICES_SELF_TESTING', 'IVDD_GENERAL')
- 1723 / 2744: There shall be at most one value of languageSpecificPartyName for each language. (manufacturer/languageSpecificPartyName)

- 1723 / 2745: There shall be at most one value of languageSpecificPartyName for each language. (partyInRole/languageSpecificPartyName)
- 1723 / 2746: There shall be at most one value of languageSpecificPartyName for each language. (brandOwnerLanguageSpecificPartyName)
- 1723 / 2747: There shall be at most one value of languageSpecificPartyName for each language. (informationProviderLanguageSpecificPartyName)
- 1725 / 2748: There shall be at most one value of declaredPower for each measurement.
- 1725 / 2749: There shall be at most one value of equivalentLightBulbPower for each measurement.
- 1725 / 2750: There shall be at most one value of lightBulbWarmUpTime for each measurement.
- 1725 / 2751: There shall be at most one value of maximumColourTemperature for each measurement.
- 1725 / 2752: There shall be at most one value of minimumColourTemperature for each measurement.
- **Item Publish-Sync Validations**
 - 1720 / 2741: If TargetMarket/targetMarketCountryCode is equal to ('036' (Australia) or '554' (New Zealand) or '250' (France)) then isTradeItemAnInvoiceUnit SHALL be 'true' for at least one trade item in a Catalogue Item Notification Message.

Validation Changes

5 changed validations are listed below with the GDSN # / IM Rule # and error logic as well as a description of the change.

- **Item Load Validations**
 - 530 / 530: If targetMarketCountryCode is equal to ('036' (Australia), '348' (Hungary), '554' (New Zealand), '528' (Netherlands), '056' (Belgium) or '442' (Luxembourg)) and quantityOfTradeItemsPerPalletLayer is not empty then quantityOfLayersPerPallet must not be empty.
 - Change: Addition of 3 TM's '528' (Netherlands), '056' (Belgium) and '442' (Luxembourg).
 - 585 / 585: If targetMarketCountryCode equals ('036' (Australia), '348' (Hungary), '554' (New Zealand), '528' (Netherlands), '056' (Belgium) or '442' (Luxembourg)) and quantityOfLayersPerPallet is greater than zero then quantityOfTradeItemsPerPalletLayer shall be greater than zero.
 - Change: Addition of 3 TM's '528' (Netherlands), '056' (Belgium) and '442' (Luxembourg).
 - 1089 / 1089: If any attribute in class catalogueItem/tradeItem/PartyInRole is used then catalogueItem/tradeItem/PartyInRole/partyRoleCode SHALL be used.
 - Change: Removed list of attributes from rule and pointed to class. Logic remains same. Change in error message.

- 1613 / 2323: If additionalTradeItemClassificationSystemCode equals '76' then additionalTradeItemClassificationCodeValue shall equal ('EU_CLASS_I', 'EU_CLASS_IIA', 'EU_CLASS_IIB', 'EU_CLASS_III', 'EU_CLASS_A', 'EU_CLASS_B', 'EU_CLASS_C', or 'EU_CLASS_D').
 - Change: Removed all Target Markets.
- 1696 / 2707: if targetMarket/countryCode in ('276' Germany, '040' Austria, '756' Switzerland) and catchAreaCode is used then catchAreaCode SHALL NOT be in ('27', '37')
 - Change: Removed productActivityDetails/productActivityTypeCode and productActivityDetails/productActivityRegionZoneCodeReference/enumerationValueInformation/enumerationValue from the validation. (Moved those attributes to new validation 1719.)

Validation Deletes

5 deleted validations are listed below with the GDSN # / IM Rule # and error logic.

• Item Load Validations

- 1067 / 605: There must be at most one iteration of ingredientStatement per languageCode.
- 1505 / 1505: There shall be at most one iteration of nonFoodIngredientStatement per @languageCode.
- N/A / 1350: If Target Market is US, Diet Type SubCode should be either of these values (MEAT, FISH, DAIRY, PAREVE, MEAT_FOR_PASSOVER, FISH_FOR_PASSOVER, DAIRY_FOR_PASSOVER, PAREVE_FOR_PASSOVER, OVO, LACTO, PESCA, LACTO_OVO, LACTO_OVO_PESCA).
- N/A / 1372: If Target Market is CA, Diet Type SubCode should be either of these values (DAIRY, DE, F, F-P, KOSHER, KOSHER_FOR_PASSOVER, KOSHER_FOR_PASSOVER_DAIRY, KOSHER_FOR_PASSOVER_MEAT, KOSHER_FOR_PASSOVER_PARVE, MEAT, NOT_KOSHER, PARVE, KOSHER_FOR_PASSOVER_MEVUSHAL, MEVUSHAL).

• Item Publish-Sync Validations

- 457 / 457: isTradeItemAnInvoiceUnit must equal 'true' for at least one trade item in a Catalogue Item Notification Message.

GDSN 3.1.15 GPC Updates

GPC Additions

49 new GPC brick codes are listed below and grouped by segment.

• Building Products

- 10008116 - Finishing and Texture Coatings

• Food/Beverage/Tobacco

- 10008107 - Caviar - Imitation (Shelf Stable)
- 10008108 - Caviar - Imitation (Perishable)
- 10008070 - Cannabis - Biscuits/Cookies (Frozen)
- 10008071 - Cannabis - Biscuits/Cookies (Perishable)

- 10008072 - Cannabis - Biscuits/Cookies (Shelf Stable)
- 10008073 - Cannabis - Candy/Sugar Candy Substitute Confectionary
- 10008074 - Cannabis - Chocolate/Chocolate Candy Confectionary
- 10008075 - Cannabis - Confectionery/Sugar Sweetening Products Variety Packs
- 10008076 - Cannabis - Biscuits/Cookies – Ready to Eat (shelf stable)
- 10008077 - Cannabis - Biscuit/Cookie Mix (shelf stable)
- 10008078 - Cannabis - Muffins/Brownies/Cakes – Ready to Eat (shelf stable)
- 10008079 - Cannabis - Drinks Flavoured – Ready to Drink (Shelf Stable)
- 10008080 - Cannabis - Drinks Water Enhancer (Shelf Stable)
- 10008081 - Cannabis - Tea/Herbal Tea – Leaves/Bags Infused
- 10008082 - Cannabis - Tea/Herbal Tea Infusions – Ready to Drink (Shelf Stable)
- 10008083 - Cannabis - Fruit Herbal Infusions - Ready to Drink
- 10008084 - Cannabis - Fruit Juice - Ready to Drink (Perishable)
- 10008085 - Cannabis - Fruit Juice - Ready to Drink (Shelf Stable)
- 10008086 - Cannabis - Fruit Juice Drinks - Ready to Drink (Perishable)
- 10008087 - Cannabis - Fruit Juice Drinks - Ready to Drink (Shelf Stable)
- 10008088 - Cannabis - Oils Edible - Vegetable or Plant (Shelf Stable)
- 10008089 - Cannabis - Oral Solids – Capsules/Tablets/Softgels
- 10008091 - Cannabis - Herbal Cigarettes - Non Tobacco
- 10008094 - Cannabis - Butter
- 10008098 - Cannabis - Keif
- 10008099 - Cannabis - Hash
- 10008100 - Cannabis - Disposable Vape Pen
- 10008101 - Cannabis - Vape Kit
- 10008102 - Cannabis - Vape Cartridge
- 10008090 - Cannabis - Topical – Face-Body Cream/Lotions
- 10008092 - Cannabis - Concentrate – Wax/Resin
- 10008093 - Cannabis - Shatter
- 10008095 - Cannabis - Wax
- 10008096 - Cannabis - Rosin
- 10008097 - Cannabis - Resin
- **Healthcare**
 - 10008118 - Support Component of a Medical Device
 - 10008111 - Support Component of a Veterinary Medical Device
- **Household/Office Furniture/Furnishings**
 - 10008114 - Bathroom & Toilet Mats
 - 10008115 - Doormats
 - 10008112 - Incense
 - 10008113 - Incense Holders/Burners and Accessories
- **Personal Accessories**
 - 10008105 - Personal Fan - Hand (Hand Fan)
 - 10008106 - Personal Fan - Impeller

- **Services/Vending Machines**
 - 10008109 - Vending Machine
 - 10008110 - Coin Operated Control Unit
- **Tools/Equipment – Hand**
 - 10008117 - Roller for Smoothing Self-Leveling
- **Vehicle**
 - 10008103 - Tyre Bag
 - 10008104 - Inner Tube

GPC Changes

6 GPC brick code changes are listed below and grouped by type of change.

- **Description Changes**
 - 10003896: Plaster of Paris (Agent) → Plaster of Paris (Moulding Plaster)
 - 10006993: Cannabis Dried Flower → Cannabis - Dried Flower
 - 10006992: Cannabis Oil → Cannabis - Oil
 - 10006994: Cannabis Pre-Rolled → Cannabis - Pre-Rolled
 - 10000620: Tobacco Products/Smoking Accessories Variety Packs → Tobacco/Cannabis/Herbal Products/Smoking Accessories Variety Packs
 - 10005248: Disc Sanders - Portable → Disc Sanders/Drywall Sanders - Portable

GPC Deletes

6 GPC brick code deletes are listed below. These GPCs were marked as obsolete in the IM 8.18 (November 2020) release. GTINs utilizing obsolete GPC codes will error during synchronization. Therefore, if you have an item populated with one of these GPC codes, please update it to a valid GPC immediately to continue successfully synchronizing with your recipients. Any GTIN still populated with an obsolete GPC prior to the May 15, 2021 Production date will be updated by 1WorldSync to GPC 99999999 to mitigate the risk of disrupted data synchronization.

- **Hard Deletes**
 - 10003959 - ***OBSOLETE*** Stair Railing Systems - Wood
 - 10003962 - ***OBSOLETE*** Balustrade/Railing Systems - Wood
 - 10006912 - ***OBSOLETE*** Camphor trees (Cinnamomum camphora)
 - 10006963 - ***OBSOLETE*** Swimwear/Swimsuits
 - 10007484 - ***OBSOLETE*** Tansyplants (Tanacetum Vulgare)
 - 10007533 - ***OBSOLETE*** Collard Greenplants (Brassica Oleracea var. Viridis)

M2M Updates

1WS XML Schema Updates

This release includes the following updates to the 1WS XML schemas. These schema changes are backwards compatible for Item Management. However, we highly recommend adoption of the new schemas to utilize the updates included with this release. The updated schemas are posted in the 1WorldSync Solution Center. *Note: See [Appendix B](#) for instructions to access documents in the 1WorldSync Solution Center.*

CatalogueRequest.xsd and CatalogueItemNotification.xsd

- Max length increased from 500 to 2000
 - additionalDescription

common/2.0/Types.xsd

- Max length increased from 5 to 16 (Note: New uoms include special characters like /, [,], ' .)
 - uomType

Any trading partners using GDSN XML can find details on the GDSN XML schemas at: <https://www.gs1.org/standards/gdsn>.

AS2 Certificate Updates

1WorldSync activated new digital certificates on February 12, 2021 for Pre-Production and on March 5, 2021 for Production. These digital certificates are used for all AS2 communications to the following applications:

- Item Management (IM)
- Product Introduction (PI/VIP)
- Digital Asset Management (DAM)

If you use AS2 to communicate with 1WorldSync for these applications, you are required to update the 1WorldSync public certificates for the AS2 environments on your systems. The certificates can be downloaded [HERE](#) or accessed via the 1WorldSync Community Platform or the 1WorldSync Solution Center. You must activate the new certificates during the following outage windows to maintain a valid, uninterrupted connection with 1WorldSync.

Outage Purpose	Outage Date & Timing	Services Unavailable
AS2 Certificate Activation Pre-Production	Friday, February 12, 2021 9:00am – 10:00am ET 14:00 – 15:00 GMT	AS2
AS2 Certificate Activation Production	Friday, March 5, 2021 9:00am – 10:00am ET 14:00 – 15:00 GMT	AS2

System Maintenance

Standard Maintenance Window

1WorldSync performs standard system maintenance, during which 1WorldSync solutions may be unavailable without prior notification. In addition, users may not be able to access the 1WorldSync Solution Center during these times.

For machine-to-machine (M2M) communications, AS2 inbound messages to 1WorldSync will continue to be received during these times unless specific communication is provided indicating otherwise, but processing of AS2 transactions will be delayed until the maintenance is completed.

The standard maintenance windows are as follows:

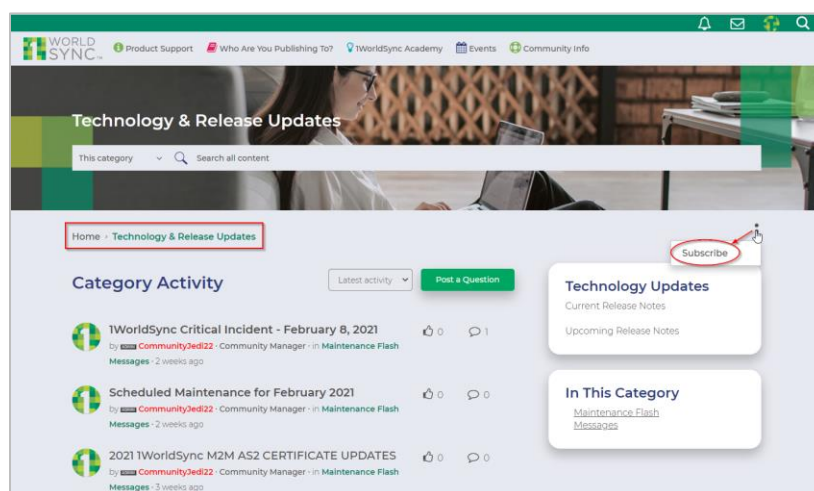
Environment	Standard Maintenance Window
Pre-Production	Fridays 2:00pm – 6:00pm ET 19:00 – 23:00 GMT
Production	Saturdays 9:00am – 1:00pm ET 14:00 – 18:00 GMT

Technical Flash Notices

1WorldSync Technical Flash notices are sent via email to communicate upcoming scheduled maintenance dates and times. If you would like to receive email notifications for scheduled maintenance, email your request to technicalsupport@1worldsync.com. Please include your name, email, company name, company GLN and company address in your request. The following Flash Notice is the most recent notice sent for this release:

- [Technical Flash 05/10/2021](#)

These notices are also posted to our [Community Platform](#) under **Product Support > Technology and Release Updates** where you can subscribe to receive updates posted for this category.



Appendix A: Revision History

Date	Release	Version	Description of Change	Author
12/31/2020	IM 8.20	1	Initial preliminary document	S. Brackett
01/04/2021	IM 8.20	2	• GDSN 3.1.15 Release Overview: Added note about adding new attributes exclusively in IM Enhanced • GDSN 3.1.15 GPC Updates: Added details of GPC updates • Attribute Changes: ○ Removed Data Type Changes for Diet Type Subcode as there are only validation rule changes for this attribute ○ Split out Help Text Changes for attributes planned for future deprecation ○ Removed Mandatory/Optional Change for Global Model Number as it was already in place ○ Added Mandatory-Dependent Changes for Invoice Unit Indicator • Valid Value Additions: ○ Removed dietTypeSubCodeVV list as this is not an actual valid value list; instead, values are validated against validation rules ○ Removed FrequencyUOM list as the values for this list are not used by any attribute • Valid Value Changes: ○ Removed OrderingSellingUOM and TransactionalMeasurementUnit as the values in these lists did not change ○ Added valid value lists planned for future deprecation	S. Brackett
02/01/2021	IM 8.20	3	• Documentation: Added additional documents available for this release • Attribute Changes: Corrected change count from 36 to 37 • Valid Value Additions: Added entry for FDASizeTypeUOM and updated count for PressureUOM • GPC Deletes: Corrected the Production date • AS2 Certificate Updates: Added link to download the 2021 1WS AS2 certificates • Technical Flash Notices: Added link for flash notice sent on 01/12/2021 and updated method to subscribe to notices via the Community platform	S. Brackett

1WORLDSYNC RELEASE NOTES (PRELIMINARY): IM 8.20 V4

Date	Release	Version	Description of Change	Author
05/10/2021	IM 8.20	4	• Production Deployment Outage: Added info on the extended production outage times • Technical Flash Notices: Updated section and added link to the latest technical flash • Appendix B: Accessing Documentation: Added section to access documents in the Community Platform	S. Brackett

Appendix B: Accessing Documentation

Follow the steps below to access documents in the 1WorldSync Solution Center and Community Platform. If you need further assistance, please contact us at technicalsupport@1worldsync.com or 1-866-280-4013.

Solution Center:

1. Go to www.1worldsync.com
2. Click the **Login** link at the top of the page
3. Under **Solution Center**, click the appropriate Login link
4. Log in using your Username and Password for 1WorldSync applications
5. Click the IMPLEMENTATION tab
6. Find the desired document and click to open or download
 - a. Before the production release date, documents can be found in the Future Release Information folder by solution/release
 - b. After the production release date, documents can be found in the appropriate folder by topic

Community Platform:

1. Go to www.1worldsync.com
2. Click the **Login** link at the top of the page
3. Under **Community Platform**, click the Login link
4. Log in using your Username and Password for 1WorldSync applications
5. In the **Product Support** menu at the top of the page, click **Item Management**
6. Within the **In This Category** section, click the link for the desired document type
7. Open the desired Knowledge Base Article and download the attachment
 - a. If you would like to get notified any time this type of document is updated in the Community, go back to the Knowledge Base Articles page, click the kabab menu icon  and click **Subscribe**