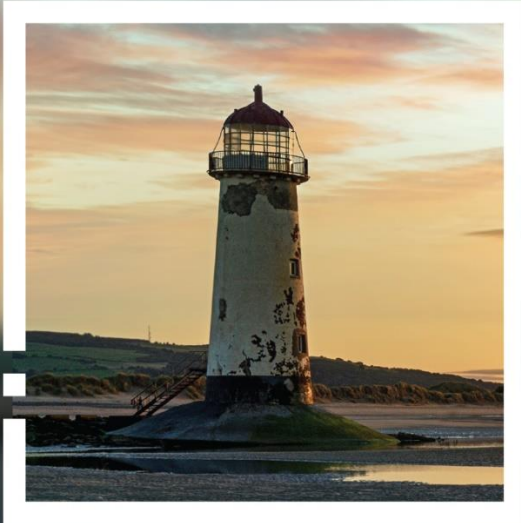




GDSN Receiver Solution – GS1 3.1.31 Release (May 2025)

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1 Applying the Update

Before applying the changes, it is recommended to take a backup of your system. These import runs in **Single Update Mode**.

Below is the import sequence:

Import 1: 'Assets_3.1.31_STEPXML.xml'

Import 2: 'Configuration_3.1.31_STEPXML.xml'

1.1 Additional info

- 1) These configurations are in STEPXML format
- 2) Customers can use the standard Import Manager (File → Import → Data) to import these configurations.
- 3) No additional configurations/settings in the Import Wizards are required.
- 4) Asset STEPXML should be imported first and followed by Configuration STEPXML.
- 5) Please pay close attention to the comments provided in the respective areas (attributes, object types, etc) in this document.

2 GS1 Maintenance Release - 3.1.31 (May 2025)

Full details for GDSN Maintenance Releases can be found @

<https://www.gs1.org/standards/gdsn/3-1-31>

To align with the 3.1.31 release, the following updates for the GDSN Receiver Solution are included via STEPXML import:

- Updated Assets
- New / Updated Transformation Lookup Tables
- New / Updated Attributes
- New / Updated LOVs
- New / Updated GPCs
- Updated Inbound Mapping – Datapool Entity
- New Units
- New Product Objects
- New Reference Types

3 Details of updates

3.1 Updated Assets

BMS_CIN

BMS_XSD**

XSD asset is updated, thus “BMS Sender OIEP” should be **restarted so that it caches the new XSD.

3.2 New / Updated Transformation Lookup Tables

- AnimalCutCode_Poultry_GDS
- FoodValueBasisTypeCode_GDS
- HairStyleFixationCode_GDS
- MassEquivalentNonrenewable_GDS
- MultilayerFilmMaterialComposition_GDS
- NutrientGroupCode_GDS
- ResultingHairColourShadeCode_GDS
- SizeTypeCode_GDS
- TradeItemVariantGroupCode_GDS
- BristleHardnessCode_GDS
- AnimalCutCode_Meat_GDS
- CfpAccountingCode_GDS
- CfpBoundariesCode_GDS
- CfpMethodologyCode_GDS
- CfpValueMeasurementUnitCode_GDS
- CfpValueVerificationCode_GDS
- EdibleFatTypeCode_GDS
- ExternalAgriculturalQualStdAgenc_GDS
- ExternalAgriculturalQualStdCateg_GDS
- AcidificationMeasurementRefSub_GDS
- AllergenTypeCode_GDS
- FormationTypeCode_GDS
- GrapeVarietyCode_GDS
- MeasurementPrecisionCode_GDS
- MeasurementUnitCode_GDSN_GDS
- NutrientTypeCode_GDS
- PkgingMarkedLabelAccreditationCode_GDS
- PackagingMaterialAppliedProcessCode_GDS
- PackagingMaterialTypeCode_GDS
- PaymentTermsEventCode_GDS
- PreparationTypeCode_GDS
- RecallScopeTypeCode_GDS
- ReferencedFileTypeCode_GDS
- RegulationTypeCode_GDS
- ContextIdentification_GDS
- TradeItemFormCode_GDS

- RVGParentLinkLookUps_GDS
- AnimalTargetedHealthConditionCode_GDS
- ClaimElementCode_GDS
- ClaimTypeCode_GDS
- CompulsoryAdditionalLabelInfoType_GDS
- DisplayResolutionCode_GDS
- FeatureCode_GDS
- AdditionalTradeItemClassification_GDS

3.3 New / Updated LOVs

- AnimalCutCode_Poultry_LOV_GDS
- FoodValueBasisTypeCodeLOV_GDS
- HairStyleFixationCodeLOV_GDS
- MassEquivalentNonrenewableLOV_GDS
- MultilayerFilmMaterialCompositionLOV_GDS
- NutrientGroupCodeLOV_GDS
- ResultingHairColourShadeCodeLOV_GDS
- SizeTypeCodeLOV_GDS
- TradeItemVariantGroupCodeLOV_GDS
- BristleHardnessCodeLOV_GDS
- AnimalCutCode_Meat_LOV_GDS
- CfpAccountingCodeLOV_GDS
- CfpBoundariesCodeLOV_GDS
- CfpMethodologyCodeLOV_GDS
- CfpValueMeasurementUnitCodeLOV_GDS
- CfpValueVerificationCodeLOV_GDS
- EdibleFatTypeCodeLOV_GDS
- ExternalAgriculturalQualStdAgencLOV_GDS
- ExternalAgriculturalQualStdCategLOV_GDS
- AllergenTypeCodeLOV_GDS
- FormationTypeCodeLOV_GDS
- GrapeVarietyCodeLOV_GDS
- MeasurementPrecisionCodeLOV_GDS
- MeasurementUnitCode_GDSNLOV_GDS
- NutrientTypeCodeLOV_GDS
- PackagingMarkedLabelAccreditationLOV_GDS
- PackagingMaterialAppliedProcessLOV_GDS
- PackagingMaterialTypeCodeLOV_GDS
- PaymentTermsEventCodeLOV_GDS
- PreparationTypeCodeLOV_GDS
- RecallScopeTypeCodeLOV_GDS
- ReferencedFileTypeCodeLOV_GDS
- RegulationTypeCodeLOV_GDS
- TradeItemContextCodeLOV_GDS
- TradeItemFormCodeLOV_GDS
- AnimalTargetedHealthConditionCodeLOV_GDS

- ClaimElementCodeLOV_GDS
- ClaimTypeCodeLOV_GDS
- CompulsoryAdditionalLabelInfoTypeLOV_GDS
- DisplayResolutionCodeLOV_GDS
- FeatureCodeLOV_GDS
- AdditionalTradeItemClassificationLOV_GDS

3.4 New / Updated GPC Hierarchy

Segment	Family	Class	Bricks
47000000_GDS	77070000_GDS	77070100_GDS	10008456_GDS
13000000_GDS	50410000_GDS	50410100_GDS	10008457_GDS
81000000_GDS	53250000_GDS	50410200_GDS	10008452_GDS
50000000_GDS	47200000_GDS	53250100_GDS	10008458_GDS
83000000_GDS	13010000_GDS	98020300_GDS	10008449_GDS
10000000_GDS	81010000_GDS	47200200_GDS	10008451_GDS
80000000_GDS	50200000_GDS	13010100_GDS	10008450_GDS
98000000_GDS	83010000_GDS	81010100_GDS	10008455_GDS
	10100000_GDS	13010200_GDS	10008459_GDS
	80010000_GDS	50202200_GDS	10008454_GDS
	50190000_GDS	83011000_GDS	10008453_GDS
	50130000_GDS	83010800_GDS	10008460_GDS
	98020000_GDS	83010100_GDS	10008462_GDS
		83010900_GDS	10008463_GDS
		81010300_GDS	10008464_GDS
		10101700_GDS	10008465_GDS
		80011500_GDS	10008466_GDS
		80013000_GDS	10008469_GDS
		50192300_GDS	10008470_GDS
		50132100_GDS	10008471_GDS
		98020200_GDS	10008472_GDS
		81010400_GDS	10000447_GDS
			10000436_GDS
			10000664_GDS
			10000754_GDS
			10000411_GDS
			10000435_GDS
			10003221_GDS
			10003227_GDS
			10003234_GDS
			10003239_GDS
			10003240_GDS

10004109_GDS
10005360_GDS
10006733_GDS
10006734_GDS
10006853_GDS
10005362_GDS
10008030_GDS
10008031_GDS
10003934_GDS
10002536_GDS
10007607_GDS
10002538_GDS
10002429_GDS
10008286_GDS
10002550_GDS
10005370_GDS
10002444_GDS
10002448_GDS
10002447_GDS
10002433_GDS
10003315_GDS
10005719_GDS
10003223_GDS
10008367_GDS
10007768_GDS
10008416_GDS
10008433_GDS
10000197_GDS
10000278_GDS
10006979_GDS
10008170_GDS
10008171_GDS
10008175_GDS
10008169_GDS
10008177_GDS
10008176_GDS
10008174_GDS
10008172_GDS
10008173_GDS
10003270_GDS
10003271_GDS

3.5 New Attributes

ID	Comments
DrinkingMaturityEndYear_GDS	
DrinkingMaturityStartYear_GDS	
IsContactInformationMarkedOnPackage_GDS	
IsCommunicationChannelMarkedOnPacka_GDS	
AnimalCutCode_GDS	
NumberOfRibs_GDS	
EdibleFatTypeCode_GDS	
IsSupplierARegistrant_GDS	
ExternalAgriculturalQualityStdAgency_GDS	
ExternalAgriculturalQualityStdCtg_GDS	
ExternalAgriculturalQualityStandard_GDS	
FiscalYear_GDS	
FoodMaterialCode_GDS	
FoodMaterialDescription_GDS	
InventoryDrawdownPerTradeItem_GDS	
FoodValueBasis_GDS	
FoodValueBasisTypeCode_GDS	
FoodValuePerTradeItem_GDS	
RegulatorApprovalDate_GDS	
MaterialDensity_GDS	
NutrientGroupCode_GDS	
MultilayerFilmMaterialComposition_GDS	
PackagingMaterialDensity_GDS	
AdditiveName_PkgInfoMod_GDS	
LevelOfContainmentCode_PkgInfoMod_GDS	
AdditiveTypeCodeReferenc_PkgInfoMod_GDS	
BristleHardnessCode_GDS	
ResultingHairColourShadeCode_GDS	
HairStyleFixationCode_GDS	
cfpCountryCode_GDS	
cfpBoundariesCode_GDS	
cfpValue_GDS	
cfpFunctionalUnit_GDS	
cfpMethodologyCode_GDS	
cfpValueVerificationCode_GDS	
cfpAccountingCode_GDS	

cfpDate_GDS	
TradeItemVariantGroupCode_GDS	

3.6 Updated Attributes

ID	Comments
AlcoholBeverageAge_GDS	
AlcoholicBeverageSugarContent_GDS	
AllowanceChargeAmount_GDS	
AmountPerUnit_GDS	
AnimalNutrientQuantityContained_GDS	
AnimalNutrientQuantityContainedBasis_GDS	
AutoIgnitionTemperature_GDS	
AutomaticPowerDownDefaultTimePeriod_GDS	
BaseAmount_GDS	
BaseNumberOfUnits_GDS	
BatteryCapacity_GDS	
BatteryMaterialWeight_GDS	
BatteryVoltage_GDS	
BatteryWeight_GDS	
BitternessOfBeerMeasurement_GDS	
BoilingPoint_GDS	
BoxOfficeRevenueDomestic_GDS	
BoxOfficeRevenueFirstWeekDomestic_GDS	
BoxOfficeRevenueUS_GDS	
BoxOfficeRevenueWorldwideUSDollars_GDS	
CannabinoidMaximumRangeValue_GDS	
CannabinoidMinimumRangeValue_GDS	
CasingTareWeight_GDS	
cfpValue_GDS	
ChemicalIngredientConcentration_GDS	
ChemicalIngredientConcentrationBasis_GDS	
ChemicalIngrConcentrationLowerValue_GDS	
ChemicalIngrConcentrationUpperValue_GDS	
ChildNutritionQualifiedValue_GDS	
ChildNutritionValue_GDS	
ClampPressure_GDS	
ClinicalSizeValue_GDS	
ClinicalSizeValueMaximum_GDS	
ColourTemperature_GDS	
PkgingMaterialCompositionQtyCompMat_GDS	
ConsumerSalesConditionMaximumAmnt_GDS	
ControlledSubstanceAmount_GDS	
CreditableAltProteinPerPortion_GDS	

CumulativeHmdyIntrpnAcptblTimeSpan_GDS	
CumulativeTemplIntrpnAcptblTimeSpan_GDS	
Depth_GDS	
DepthAdditionalTradelItemDimn_GDS	
DepthNonGTINLogisticsUnitInfo_GDS	
Diameter_GDS	
DiameterAdditionalTradelItemDimn_GDS	
DiscountAmount_GDS	
DiscountApplicablePeriod_GDS	
DisplayScreenBezelSize_GDS	
DisplayScreenSize_GDS	
DrainedWeight_GDS	
DriedEquivalent_GDS	
DriedEquivalent_NonFoodIngreMod_GDS	
DropBelowMinHumidityAcptblTimeSpan_GDS	
DropBelowMinTempAcceptableTimeSpan_GDS	
DutyFeeTaxAmount_GDS	
DutyFeeTaxBasis_GDS	
DutyFeeTaxBasisPrice_GDS	
EquivalentLightBulbPower_GDS	
ExpectedResultsTime_GDS	
ExtremelyHazardousSubstanceQuantity_GDS	
FeedingAmount_GDS	
FieldOfView_GDS	
FilePrintHeight_GDS	
FilePrintWidth_GDS	
FileSize_GDS	
FlammableGasWeight_GDS	
FlashPointTemperatureHazInfoHeader_GDS	
FlashPointTemperaturePhysicalChemPro_GDS	
FashPointTemperatureLowerValue_GDS	
FlashPointTemperatureUpperValue_GDS	
FoodValueBasis_GDS	
FoodValuePerTradelItem_GDS	
FreeQtyOfNextLowerLevelTradelItem_GDS	
FreeQuantityOfProduct_GDS	
FreezingMeltingPoint_GDS	
GoodsPickupLeadTime_GDS	
GrossWeight_GDS	
GrossWeightNonGTINLogisticsUnitInfo_GDS	
GrowthCycle_GDS	
GrowthCycle_FnPlngreMod_GDS	
HealthcareItemMaximumUsageAge_GDS	
HealthcareItemMinimumUsageAge_GDS	
DangerousSubstanceHeatOfCombustion_GDS	
Height_GDS	

HeightAddlTradelItemDimensions_GDS	
HeightNonGTINLogisticsUnitInfo_GDS	
InBoxCubeDimension_GDS	
IndividualUnitMaximumSize_GDS	
IndividualUnitMinimumSize_GDS	
IngredientStren_GDS	
IngredientStrengthBasis_GDS	
InventoryDrawdownPerTradelItem_GDS	
ItemMinimumDurability_GDS	
ItemPeriodSafeToUseAfterOpening_GDS	
LabelledTemperature_GDS	
LayerHeight_GDS	
LethalConcentration50_GDS	
LethalConcentration50Basis_GDS	
LethalDose50_GDS	
LethalDose50Basis_GDS	
LightBulbDiameterValue_GDS	
LightBulbWarmUpTime_GDS	
LightOutput_GDS	
LogisticsUnitCubeDimension_GDS	
ManufacturerTakeBackProgramFee_GDS	
MaterialDensity_GDS	
MaterialWeightMatMod_GDS	
MaximumHumidityAcceptableTimeSpan_GDS	
MaximumAvailableStorageCapacity_GDS	
MaximumBatteryLife_GDS	
MaximumColourTemperature_GDS	
MaximumEnvironmentAtmosphericPress_GDS	
MaximumFeedingAmount_GDS	
MaximumProcessTemperatureTimeSpan_GDS	
MaximumTerpeneContent_GDS	
MaximumWeightOfAnimalBeingFed_GDS	
MaxOptimumConsumptionTemperature_GDS	
MaximumTemperature_GDS	
MaxTemperatureAcceptableTimeSpan_GDS	
MaximumToleranceTemperature_GDS	
MicrobiologicalOrganismMaximumValue_GDS	
MicrobiologicalOrganismMaxValueBasis_GDS	
MicrobiologicalOrganismMinimumValue_GDS	
MicrobiologicalOrganismRefValue_GDS	
MicrobiologicalOrganismRefValueBasis_GDS	
MicrobiologicalOrganismWarningValue_GDS	
MicrobiologicalOrganismWarnValuBasis_GDS	
MinimumAmountOfAnimalProtein_GDS	
MinimumColourTemperature_GDS	
MinimumEnvironmentAtmosphericPress_GDS	

MinimumFeedingAmount_GDS	
MinimumFishMeatPoultryContent_GDS	
MinimumOrderValue_GDS	
MinimumProcessTemperatureTimeSpan_GDS	
MinimumTerpeneContent_GDS	
MinimumWeightOfAnimalBeingFed_GDS	
MinOptimumConsumptionTemperature_GDS	
MinimumTemperature_GDS	
MinimumToleranceTemperature_GDS	
NestingIncrement_GDS	
NetContent_GDS	
NetDueTimePeriod_GDS	
NetMassOfExplosives_GDS	
NetWeight_GDS	
NetWeightNonGTINLogisticsUnitInfo_GDS	
NoncreditableGrainAmount_GDS	
NutrientBasisQuantity_GDS	
nutritionalProgIngredientMeasurement_GDS	
NutritProgIngredMeasurementUnitCode_GDS	
OrderingLeadTime_GDS	
OrderSizingFactor_GDS	
PackagingDepth_GDS	
PackagingHeight_GDS	
PackagingMaterialAdhesiveAmount_GDS	
PkgingMaterialCompositionQtyPkgMat_GDS	
PackagingMaterialDensity_GDS	
PackagingMaterialThicknessPkgMtrl_GDS	
PackagingRecyclabilityValue_GDS	
PackagingWeightPackaging_GDS	
PackagingWidth_GDS	
PegHorizontal_GDS	
PegVertical_GDS	
PhysicalResUsage_GDS	
PhysicalResUsageMeasurementBasis_GDS	
PhysiochemicalCharcsReferenceValue_GDS	
PhysiochemicalCharcsRefValueBasis_GDS	
PhysiochemicalCharacteristicValue_GDS	
PhysiochemicalCharcsValueBasis_GDS	
PhysiochemicalCharcsWarningValue_GDS	
PhysiochemicalCharcsWarningValuBasis_GDS	
PriceBasisQuantityCataloguePrice_GDS	
PriceBasisQuantityAddlTradeItemPrice_GDS	
PriceBasisQuantitySuggestedRetailPrc_GDS	
PriceComparisonMeasurement_GDS	
ProductCharacteristicValueAmount_GDS	
ProdCharacteristicValueMeasurement_GDS	

ProductYield_GDS	
PropertyAmount_GDS	
PropertyMeasurement_GDS	
QuantityContained_GDS	
RawMaterialUsedInPreparationWeight_GDS	
ReturnableAssetCapacityContent_GDS	
ReturnableAssetsContainedQuantity_GDS	
ReturnablePackageDepositAmountRtrnAs_GDS	
ReturnablePackageDepositAmountPkgDep_GDS	
RipeningTimePeriod_GDS	
SelfTimerDelay_GDS	
ServingSize_GDS	
ShearStrength_GDS	
ShippingContainerQuantity_GDS	
SizeDimensionTradelItem_GDS	
SizeDimension_GDS	
SizeDimension_TINonPkgSize_GDS	
SparePartsAvailabilityPeriod_GDS	
StackingWeightMaximum_GDS	
StatisticalReportingMeasurement_GDS	
TargetConsumerMaximumUsage_GDS	
TargetConsumerMinimumUsage_GDS	
TensileStrength_GDS	
PackagingMaterialThicknessComposMtrl_GDS	
ThreadDenier_GDS	
TotalAudioPowerOutput_GDS	
TotalCreditableIngredientTypeAmount_GDS	
TotalPortionWeightAsPurchased_GDS	
TotalScreenArea_GDS	
TotalVegetableSubgroupAmount_GDS	
TradelItemCompositionDepth_GDS	
TradelItemCompositionWidth_GDS	
TradelItemPriceSuggestedRetailPrice_GDS	
TradelItemPriceAddlTradelItemPrice_GDS	
TradelItemPriceCataloguePrice_GDS	
TransportationMaximumQuantity_GDS	
UnitsPerTradelItem_GDS	
UsableProductVolume_GDS	
VariableWeightRangeMaximum_GDS	
VariableWeightRangeMinimum_GDS	
Velocity_GDS	
VisibleLight_GDS	
VolatileOrganicCompound_GDS	
VolatileOrganicCompoundBasis_GDS	
WarrantyDuration_GDS	
WasteAmount_GDS	

Width_GDS	
WidthAdditionalTradeItemDimensions_GDS	
GrossWeightAdditionalTradeItemDim_GDS	
WidthNonGTINLogisticsUnitInfo_GDS	
ManufacturerPreparationTypeCode_GDS	
NumberOfSmallestUnitsPerPackage_GDS	
DescriptionShort_GDS	
NetContentStatement_GDS	
PrimaryAddedFlavouringCode_GDS	
SecondaryAddedFlavouringCode_GDS	
ClaimElementCodeProdInfo_GDS	
ClaimTypeCodeProdInfo_GDS	

3.7 New Object Types

- 1) GDS_Root_AdditiveInformation_Packaging
 - a. GDS_RVG_AdditiveInformation_Packaging
- 2) GDS_Root_EndProductIngredientSchedule
 - a. GDS_RVG_EndProductIngredientSchedule
- 3) GDS_Root_ExternalAgriculturalQtyStdInf
 - a. GDS_RVG_ExternalAgriculturalQtyStdInf
- 4) GDS_Root_CarbonFootprintHeader
 - a. GDS_RVG_CarbonFootprintHeader
- 5) GDS_Root_CarbonFootprintDetail
 - a. GDS_RVG_CarbonFootprintDetail

3.8 New Product Reference Types

- GDS_AdditiveInformation_Packaging
- GDS_CarbonFootprintDetail
- GDS_CarbonFootprintHeader
- GDS_ExternalAgriculturalQtyStdInf
- GDS_EndProductIngredientSchedule

3.9 New Attribute Groups

- TargetMarketCommnChannel_GDS
- ExternalAgriculturalQuaStdInfo_GDS
- EndProductIngredientSchedule_GDS
- CarbonFootprintHeader_GDS
- CarbonFootprintDetail_GDS
- PackagingInfoModAdditiveInfo_GDS

3.10 New Products

- GDS_Root_AdditiveInformation_Packaging

- GDS_Root_EndProductIngredientSchedule
- GDS_Root_ExternalAgriculturalQtyStdInf
- GDS_Root_CarbonFootprintHeader
- GDS_Root_CarbonFootprintDetail

3.11 Updated Inbound Mappings - Datapool Entity

- DatapoolBMS_01Format

3.12 New Units

- gdsn.unit.QTI
- gdsn.unit.kg/m3
- gdsn.unit.[lb_av]/[ft_i]3
- gdsn.unit.[lb_av]/[in_i]3



BETTER DATA.
BETTER BUSINESS.
BETTER WORLD.

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