

Title Information about migration for Prevas GCM	Confidentiality	Document no	Revision Version 2
Project Prevas GCM	Issued by Kristina Anderskär		Date 2016-05-03

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1 DOCUMENT INFORMATION

1.1 Purpose and scope

This document describes how Prevas will migrate Prevas GCM database with trade item information from GS1 release 2.8 to GDSN Major Release 3.1.1.

Prevas will migrate data as described in following GS1 documentation:

“Migration document 2.8.5 to 3.1 v1.0.xlsx” and “migration codevalues285to31.1 a4.xlsx” which can be found here:

<http://gs1.se/sv/GS1-i-praktiken/Artikelinformation/gdsn-major-release-3.1/>

How GS1 recommend supplier to handle migration questions see following document (only available in Swedish):

<http://www.gs1.se/globalassets/migrering-gdsn-major-release-3.1.1.pdf>

Most of the trade item information can be migrated 1:1 as the data in old version (v2.8) has an equivalent value in version 3.1.1.

Some values cannot be migrated whit out some changes and this document describes how Prevas handle these situations. Prevas will follow GS1 recommendations but it is important that also suppliers review their trade item information according to GS1’s recommendations.

Prevas GCM support is available if you need help to update or remove any trade item information after Major Release.

To investigate if your trade item information is affected of these migration issues you can ask for an Excel report of your trade item information from Prevas GCM support. With this Excel report you can investigate if your trade item information is affected. Trade item information in this Excel report is in version 2.8. The Excel report for trade item information will not be available in version 3.1.1 but in a later release of Prevas GCM.

1.2 Revision history

Revision	Comment	Changed by	Date
V1	First version	Kristina Anderskär/Prevas	20160413
V2	Updated with new information from GS1	Kristina Anderskär/Prevas	20160503

2 Information about migration of Prevas GCM

2.1 T4078 Allergen type code, Allergentyp

2.2 Information from GS1

In version 3.1.1 a lot of allergen type codes are removed in Swedish subset. According to GS1 Swedish suppliers have the opinion that there has been too many allergen type codes and in version 3.1.1 GS1 Sweden has removed a number of them.

See code lists and compare between versions:

Version 2.8:

<http://gs1.se/sv/GS1-i-praktiken/Kodlistor/T4078-Allergentyp/>

Version 3.1.1:

<http://gs1.se/sv/GS1-in-practice/3.1/t4078-allergen-type-code/>

When Validoo database is migrated no allergen type codes will be changed. Supplier should take decision and update as required.

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2.2.1 Information about Prevas GCM migration

Prevas will follow GS1 recommendations and migrate following allergen type codes:

- ML (Lactose, Laktos) is migrated to AM (Milk, Mjöljk)
- Specific code values for nuts (SC, SH, SP, SM, SQ, SR, ST, SW, SA) are migrated to AN (Tree nuts, Nötter).
- GB (Barley, Korn), GO (Oat, Havre), NR (Rye, Råg), UW (Wheat, Vete), GK (Kamut) and GS (Spelt) are migrated to AW (Cereals containing gluten, Spannmål som innehåller gluten)

Important message from GS1 (only in Swedish):

Observera följande för artiklar som är märkta med FRI FRÅN GLUTEN samt som har koden "Särnär glutenfri" (FREE_FROM_GLUTEN) i artikelinformation i T4031Fritt-från märkning: Om det till exempel är angivet VETEstärkelse i ingrediensförteckningen och allergenkoden UW Vete finns i T4078 Allergentyp, rekommenderar GS1 leverantören att uppdatera befintlig artikelinformation efter den 13/5 då den kvarvarande koden för spannmål AW "spannmål som innehåller gluten" kommer att stå i motsats till koden "Särnär glutenfri" i T4031Fritt-från märkning.

Allergen type codes in Prevas GCM in version 3.1.1 (English and Swedish list):

Celery	Blötdjur
Cereals containing gluten	Fisk
Crustaceans	Jordnötter
Eggs	Kräftdjur
Fish	Lupin
Lupine	Mjöljk
Milk	Nötter (eng: tree nuts)
Molluscs	Selleri
Mustard	Senap
Peanuts	Sesamfrön
Sesame seeds	Sojaböner
Soybeans	Spannmål som innehåller gluten
Sulphur Dioxide and Sulphites	Svaveldioxid eller sulfit
Tree nuts	Ägg

Note: Allergen type codes NOT included in the list above will not be migrated and will be deleted except codes described above.

2.3 T4073 Nutrient type (NA, NACL, SALTEQ)

2.4 Information from GS1

In version 3.1.1 a number of nutrient types are removed in Swedish subset.

See code lists and compare between versions:

Version 2.8:

<http://gs1.se/sv/GS1-i-praktiken/Kodlistor/T4073-Naringsamne/>

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Version 3.1.1:

<http://gs1.se/sv/GS1-i-praktiken/kodlistor-3.1/t4073-naringsamne/>

NA (sodium, natrium), NACL (salt, salt) are removed from Swedish subset but are still existing in GDSN code list. The code that should be used for salt at Swedish market is SALTEQ (salt equivalent , salt).

Inform supplier that they must choose how to update trade item information if this is needed. Most likely the physical package is already updated and it is only the electronical information that needs to be updated.

GS1 recommend solution provider (systemleverantör) to leave the values as it is and inform the supplier that they need to update and re-synchronize after Major Release. Both NA and NACL codes are still valid in GDSN and will be accepted by Validoo. During migration of Validoo database the values in these codes (NA, NACL and SALTEQ) will not be changed.

2.4.1 Information about Prevas GCM migration

To help supplier Prevas will migrate in following order:

1. If SALTEQ has a value in v2.8 this value is migrated to SALTEQ in v3.1.1
2. If there is no value in SALTEQ but a value in NACL in v2.8 this value is migrated to SALTEQ in v3.1.1
3. If there is no value in SALTEQ and NACL but a value in NA in v2.8 this value is migrated to SALTEQ as SALTEQ=NA x 2,5 in v3.1.1

NA and NACL are removed from trade item information and code list and SALTEQ is the only code for salt in version 3.1.1.

2.5 T4073 Nutrient type (SUGER)

2.6 Information from GS1

GS1 recommend solution provider to migrate SUGAR to SUGAR-.

2.6.1 Information about Prevas GCM migration

Prevas will migrate nutrient type code SUGAR to SUGAR-.

2.7 T0137 Package Type Code List/Förpacknings-/kollityp,

2.7.1 Information from GS1

Some code value definitions are old and needs to be updated.

VP (Vacuum-packed, Vakuumförpackad)

Removed from code list T0137.

Migrate to following values:

T0137: PUG (Packed, unspecified, Ospecificerad förpackning)

T4124: VACUUM_PACKED (Vacuum packed, Vacuumpackad)

GS1 recommend supplier to change T0137: PUG to T0137: SW (Shrinkwrapped, Krympfilm) after Major Release.

AT (Atomizer, Sprayflaska)

Removed from code list T0137.

Migrate to following values:

T0137: BO (Bottle, Flaska), T4124: ATOMIZER (Atomizer, Sprayflaska)

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DN (Dispenser, Dispenser)

Removed from code list T0137.

Migrate to following values:

T0137: BO (Bottle, Flaska), T4124: DISPENSER (Dispenser, Dispenser)

Supplier should check if this is correct for current trade item information.

See code lists:

Version 2.8:

<http://gs1.se/sv/GS1-i-praktiken/T0137-Forpacknings-kollityp/>

<http://gs1.se/sv/GS1-i-praktiken/Kodlistor/T4124-Forpackningsfunktion/>

Version 3.1.1:

<http://gs1.se/sv/GS1-i-praktiken/kodlistor-3.1/t0137-forpacknings-kollityp/>

<http://gs1.se/sv/GS1-i-praktiken/kodlistor-3.1/t4124-forpackningsfunktion/>

2.7.2 Information about Prevas GCM migration

Code values VP, AT and DN removed from code list T0137.

VACUUM_PACKED, ATOMIZER and DISPENSER are added to code list T4124.

Code VP is set to PUG (Packed, unspecified, Ospecificerad förpackning) and supplier can choose another value when trade item information needs to be updated.

If supplier wish to migrate to other code please (SW, WRP etc.) contact Prevas GCM support before 20160506.

VP (Vacuum-packed, Vakuumförpackad)

Removed from code list T0137.

Migrate to following values:

T0137: PUG (Packed, unspecified, Ospecificerad förpackning)

T4124: VACUUM_PACKED (Vacuum packed, Vakuumpackad)

AT (Atomizer, Sprayflaska)

Removed from code list T0137.

Migrated to following values:

T0137: BO (Bottle, Flaska), T4124: ATOMIZER (Atomizer, Sprayflaska)

DN (Dispenser, Dispenser)

Removed from code list T0137.

Migrated to following values:

T0137: BO (Bottle, Flaska), T4124: DISPENSER (Dispenser, Dispenser)

Supplier can choose another value when trade item information needs to be updated.

2.8 Nutritional information is changed

2.8.1 Information from GS1

Nutritional information is changed and terms have moved or changed.

See more information in GS1 document: (only available in Swedish):

<http://www.gs1.se/globalassets/migrering-gdsn-major-release-3.1.1.pdf>

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2.8.2 Information about Prevas GCM migration

This table shows how the terms will be migrated:

Term in version 2.8	Term in version 3.1.1	Comment
T4069 Tillagningsstatus	T4069 Tillagningsstatus, kod Preparation state code	
T4070 Typ av intagsrekommendation	T4070 Typ av intagsrekommendation Daily value intake reference	
T4071 Portionsstorlek	T3821 Beskrivning av portionsstorlek Serving size description	T4071 removed , T3821 used
T4072 Basmängd	T3824 Basmängd för näringsdeklaration Nutrient basis quantity	T4072 removed , T3824 used
T5100 Enhet	T3780 Måttenhet, kod Measurement unit code	T5100 removed , T3780 used
T4073 Näringsämne	T4073 Näringsämne Nutrient type code	
T4074 Mängd	T4074 Näringsämnesmängd Quantity contained	
T5101 Enhet	T3780 Måttenhet, kod Measurement unit code	T5101 removed , T3780 used
T4075 Måttprecision	T4075 Måttprecision Measurement precision code	
T4076 Andel av dagsintag (%)	T4076 Andel av dagsintag (%) Daily value intake percent	
	T3823 Portionsstorlek, värde Serving size	New term. Measurement value specifying the serving size in which the information per nutrient has been stated.
	T3820 Typ av basmängd Nutrient basis quantity type code	New term: The type of quantity contained for example measurement, serving size, or container.

Prevas migrate data in following way:

IF T3824 = 100 THEN T3820 = BY_MEASURE

IF T3824 >100 OR <100 THEN T3820 = BY_SERVING

IF T3824 >100 OR < 100 THEN T3823 = T3824. Otherwise T3823 is left empty.

2.9 T2235 Consumer usage storage instruction (Användningsinstruktioner)

2.9.1 Information from GS1

T2235 Consumer usage storage instruction is removed and replaced by two new terms:

- T3775 Consumer storage instructions

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- T3776 Consumer usage instructions

Validoo vill migrate text in T2235 to both T3775 and T3776. Then supplier should adjust text so there is correct information in the new terms.

2.9.2 Information about Prevas GCM migration

Text in T2235 Consumer usage storage instruction is migrated to both the new terms

- T3775 Consumer storage instructions
- T3776 Consumer usage instructions

After Major Release the supplier can adjust information if necessary.

2.10 T0157 Stacking factor

2.10.1 Information from GS1

- Governed by rule 730391: Stacking factor and Stacking factor type code used together
- In migration some value needs to be defined
- Only supplier knows
- Validoo sets "UNSPECIFIED"

2.10.2 Information about Prevas GCM migration

T0157 Stacking factor and T3848 Stacking factor type code in Prevas GCM:

Handling

Stacking factor

T0157 Stacking factor

T3848 Stacking factor type code

Prevas will migrate T0157 Stacking factor and then set T3848 Stacking factor type code to "UNSPECIFIED".

If supplier wish to migrate to other code please contact Prevas GCM support before 20160506. Se here for available code values in Sweden:

<http://gs1.se/sv/GS1-i-praktiken/kodlistor-3.1/t3848-typ-av-tryckkanslighet/>

2.11 New validation rule (730349) for terms T0187, T3748 och T3747

2.11.1 Information from GS1

NOTE: The rule will be turned off in Major Release and be rewritten before the rule is turned on again!

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- The rule was in version 2.8 active for item that had a Data carrier type code
When the rule was migrated to version 3.1.1 this was changed to Data carrier family type code
- However not all barcodes have information in the other attributes
- The rule will be turned of in Major release
- It will be rewritten and republished in a later release
- New validation rule is implemented which can cause validation error.

Example in version 2.8:

Barcode standard, code [T0187](#)

Properties Show Less

AIDC Presence code
AIDC Presence code [T3747](#)

Application identifier type code [T3748](#)
code

Data carrier type code [T3749](#)

Example in version 3.1.1:

Data carrier

Data carrier

[T3748](#) Application identifier type code

[T0187](#) Data carrier family type code

[T3747](#) Data carrier presence code

Many trade items have information in T0187 but not in T3748 or T3747. Then following validation rule (730349) will cause following validation error:

AIDC Presence code (T3747), Application identifier type code (T3748) or Data carrier family type code (T0187) is missing. They are used together, i.e. if one is used, all must be used.

In Swedish:

Maskinellt läsbar märkning (T3747), Typ av maskinellt läsbar information (T3748) eller Databärartyp (T0187) saknas. Termerna används alltid tillsammans, dvs används en så måste alla användas.

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2.11.2 Information about Prevas GCM migration

NOTE: The rule will be turned off in Major Release and be rewritten before the rule is turned on again!

According to the validation rule all Data carrier fields (T3748, T0187, T3747) needs to have a value if one of them have one.

T0187 is migrated to T0187.

If T0187 has got a value T3747 is set to ALWAYS.

Supplier need to update T3748 with one of following values if T0187 has got a value:

Code	Name
10	Batch Number
15	Best Before Date
17	Expiry Date
310N	Net Weight

2.12 Migration of Food and beverage extension at Trade unit level (mellannivå)

In GS1 specifications for version 2.8 the Food and beverage extension could be mapped to any level and could be different between levels. This functionality is not implemented in current version of Prevas GCM.

In current version 2.8 of Prevas GCM the Food and beverage extension is mapped to base unit level. If consumer unit (T4037) is marked on Trade unit level the Food and beverage extension from base unit level is copied in to the Trade unit level in the xml-message which is created when sending trade item information to Validoo. Then it is possible for Validoo Q-lab to perform quality assurance of consumer unit on trade unit level.

In GDSN Major Release 3.1.1 there is no Food and beverage extension. This information is included in the trade item information and it is possible to add this information on all levels. So then you can add this information on the level that is marked as a consumer unit.