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TO INCREASE

Food Manufacturing & Distribution for Dynamics 365 Business Central 2022 Release Wave 2, Update 21.2

Release Notes for Monthly update March 2023

Table of Contents

Document Information

Title	Food Manufacturing & Distribution for Dynamics 365 Business Central 2022 Release Wave 2, Update 21.2
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1.   Purpose

This document describes the fixes implemented in To-Increase Food Manufacturing & Distribution for Microsoft Dynamics 365 Business Central 2022 Release Wave 2.

This release replaces Food for Microsoft Dynamics 365 Business Central 2022 Wave 1 Spring Update and is based on Update 21.2 for Microsoft Dynamics 365 Business Central 2022 Wave 2 release (Application Build 21.2.202303).

2. Audience

This document is primarily meant for product- and implementation consultants familiar with the concepts of Food Manufacturing & Distribution.

This document explains the content of the delivery package to consultants of To-Increase partners.

2.1 Links to To-Increase OnlineHelp

- General: Home Page - To-Increase Documentation
- Food: To-Increase Food Manufacturing & Distribution
- What's New in Food: What is New in Food Manufacturing & Distribution
- Release Notes: Food Manufacturing & Distribution Release Notes

2.2 OnlineHelp especially for EmbedApp

The EmbedApp may respond differently in some cases than the standard Microsoft Dynamics 365 Business Central SaaS environment.

We see this especially when installing 3rd Party ISV apps and when using so-called Connector Apps.

Below are 2 links that may provide more insight on this:
- 3rd Party ISV apps instructions: ISV Instructions
- Connector Apps: Connecting to EmbedApp

3. Deliverables

Besides 2 On-Premise packages (W1 & NA) we also deliver a SaaS EmbedApp package.

This SaaS EmbedApp is only available in the USA, localized as NA, in a Microsoft Azure Cloud environment, managed by To-Increase.

3.1 Deliverables for On-Premise

Each release contains the W1 and the NA localization.

The Artifacts folder contains:

Food Artifacts	W1 Version No.	NA Version No.
FOOD Application	21.2.202303.0	21.2.202303.0
FOOD ESHA Genesis Integration	21.2.202303.0	21.2.202303.0
FOOD Item Lifecycle Management	21.2.202303.0	21.2.202303.0
TI-Lifecycle Base	19.0.76674.0	19.0.76674.0
TI-Common	19.0.76429.0	19.0.76429.0
FOOD Label Printing	21.2.202303.0	21.2.202303.0
TI-BIS	20.0.80144.0	20.0.80144.0
TI-Common	19.0.79863.0	19.0.79863.0
FOOD Anywhere	21.2.202303.0	21.2.202303.0
ANY	19.0.80160.0	19.0.80160.0
TI-BIS	20.0.80144.0	20.0.80144.0
TI-Common	19.0.79863.0	19.0.79863.0
FOOD Bank Deposits	21.2.202303.0	21.2.202303.0

The extensions in the TI- … folders are mandatory and part of the base installation for To-Increase applications.

- Refer to Installation instructions to learn how to install these artifacts.
- Refer to Checklist to create a demo database with extended CRONUS data to learn how to create a demo database from the included resources.
- For ESHA we deliver interface-data for the Genesis-module and database
- For Food Label Connections we provide two examples of labels, 1 for containers and 1 for cases. To be used with the Labelprinting module.
- For Food Lifecycles a number of example-lifecycles are available for ILM in Food.

- For Food Anywhere the out of the box processes are delivered for the Warehouse Scanning Solution BC Anywhere.

We deliver Runtime Packages for Business Central On-Premises. When the runtime package is generated on the server, the developer license is checked for permissions to the used extension IDs. The extension in a runtime package can then be installed on servers that do not have a developer license; the server only needs permissions to run the objects, but not to modify or insert them.

3.2   Deliverables US EmbedApp

As US EmbedApp follows Modern Lifecycle Policy of Microsoft it follows the majors and minors for Microsoft Dynamics 365 Business Central SaaS.

For the US EmbedApp we deliver the following apps:

US EmbedApp	Version
Application	21.2.202303.0
FOOD Application	21.2.202303.0
FOOD Anywhere	21.2.202303.0
ANY	19.0.80135.0
TI-BIS	19.0.80124.0
TI-Common	19.0.79863.0
FOOD Bank Deposits	21.2.202303.0

ANY + FOOD Anywhere can only be used with a license for ANY and Device subscriptions.

To keep the SaaS experience the same as standard Microsoft Dynamics 365 Business Central, the Microsoft apps listed below have been added. As they are _exclude apps they will not be shown in Extension Management within Microsoft Dynamics 365 Business Central or in the Business Central Admin Center Manage apps part.

Microsoft _Exclude apps
_Exclude_SyncBaseApp_
_Exclude_APIV2_
_Exclude_APIV1_
_Exclude_AnonymizedDataSharing_
_Exclude_ClientAddIns_
_Exclude_Microsoft Dynamics 365 - SmartList
_Exclude_Bank Deposits
_Exclude_ReportLayouts
_Exclude_Email Logging Using Graph API
_Exclude_PlanConfiguration_
_Exclude_Connectivity Apps

The standard Microsoft Dynamics 365 Business Central SaaS experience contains more apps, but we don't supply them, as they can be found on AppSource/Extension Marketplace.

Third party apps and connector apps can be used on our US EmbedApp environment when they contain the correct settings, see chapter 2.2 for links to more information.

Partners will be informed separately on upgrades and updates for US EmbedApp environments.

4. Granule List on-premise

To-Increase **FOOD Manufacturing & Distribution (FOOD)** for Microsoft Dynamics 365 Business Central consists of the granules listed below.

These granules must be listed in the **Microsoft Dynamics 365 Business Central, Microsoft Dynamics 365 Business Central on premises** and **Microsoft Dynamics 365 Business Central on premises subscription** licenses based on the customer's purchase.

Product	Granule	Name	Version	Release
Solution Center				
N108	11.068.690	Integration Platform Base	2022 Wave 2	21.2
N108_WS	11.068.810	Life Cycle Management		
FOOD – Core Solution				
N200	370.02.010	Basic Functions	2022 Wave 2	21.2
N201	370.02.060	Warehouse Management		
N202	370.02.020	Enhanced Lot Tracking		
N203	370.02.030	Enhanced Pricing		
N204	370.02.090	Sales Status Board		
N205	370.02.200	Distribution Core		
N227	370.02.920	Allergen Management		
FOOD – Manufacturing				
N206	370.02.140	Process Manufacturing	2022 Wave 2	21.2
N212	370.02.180	Co-Product/By-Product		
N222	370.02.290	Genesis Integration		
	370.02.170	Packaging Configurator		
FOOD – Warehouse and Distribution				
N213	370.02.040	Distribution Planning	2022 Wave 2	21.2
N214	370.02.160	Container Tracking		
N220	370.02.260	Advanced W/H Management		
FOOD – Quality Management				
N207	370.02.150	Quality Control	2022 Wave 2	21.2
N226	370.02.300	Process Data Collection		
FOOD – Commodities				
N223	370.02.560	Commodity Costing	2022 Wave 2	21.2
N224	370.02.680	Commodity Payment		
FOOD – Labelling				
N218	370.02.210	Basic Labelling	2022 Wave 2	21.2
N219	370.02.220	Labelling – Software*		
FOOD - Value features				

N208	370.02.240	Deduction Management		
N209	370.02.070	Rebates/Commissions/Billback/Promo	2022 Wave 2	21.2
N210	370.02.270	Maintenance Management		
N211	370.02.050	Dual UOM & Catch Weight		
N221	370.02.280	Repack		
FOOD - Lifecycle Management				
FILM	370.02.330	Food Item Lifecycle Management		
FOOD – Anywhere				
	370.02.350	NAV Anywhere for Food**	2022 Wave 2	21.2
	11.158.610	NAV Anywhere***		
FOOD – Bank Deposits				
BankDep		Extension		

Food Anywhere consists of 11 out-of-the-box processes that are being shipped upon receipt or an order:

Process description
Warehouse Pick
Warehouse Shipment
Warehouse Receipt
Warehouse Put-away
Production Consumption
Production Output
(Warehouse) Physical Count
Warehouse Movement
Bin-to-Bin Movement (ad-hoc)
Container Management

* Labelling - Software has been integrated in 370.02.210 Basic Labelling

** Please note that NAV Anywhere for Food processes are based on some of the existing Food modules.

*** Please note that separate ISV Device CALs are mandatory when using NAV Anywhere for Food.

5. New Features Summary

This is a minor release where the functionality is migrated as is and adapted to new Microsoft Dynamics 365 Business Central features as needed.

Refer to What's New in FOOD for D365 Business Central for an overview of new features and links to the corresponding manual.

Microsoft is continuously adding new features in the application directly and via Feature Management. Sometimes these are public preview and will be made generally available in future releases, in other cases, they are already general available, and you have the choice to activate them.

Currently, we are not testing compatibility with all new features or combinations.

Once a feature is enabled at the customer environment and in case of any issues or questions related to new standard features and our solutions, kindly contact us via To-Increase support.

5.1 Supported Microsoft features in this release

To-Increase Food has been modified or integrated with Microsoft functionality:

(Words in bold contain a link to the relevant Microsoft page)

Microsoft introduced **Auto-save as you work** in the 2022 Wave 2 release which changed the behavior of Business Central significant in a way we used to. The issues are not unique to the To-Increase Food product but also occurs in the Microsoft base application. For To-Increase Food we investigated if we could find a solution to get the behavior as we were used to.

We discovered that if a page has the DelayedInsert property set to TRUE, then changes to fields do not trigger the OnModify code and database write, rather, the OnModify code and database write happens when the user moves off the record.

On the below pages we set the DelayedInsert property set to TRUE:

Page Number	Title
37002531	Batch Planning Order Detail
37002467	Batch Reporting Consumption
37002466	Batch Reporting Output
37002694	Commodity Purch. Order Subpage
37002594	Container Quantity to Handle
37002175	Cost Calculation Method Card
37002891	Data Collection Alert
37002887	Data Sheet Lines
37002896	Data Sheet Lines-Production
37002949	Incident Entries
37002945	Incident Entries-Confirm

37002555	Incident Entries Subpage
37002942	Incident Entry Card
37002027	Lot No. Custom Format Lines
37002109	Order Receiving-Purch. Subform
37002111	Order Receiving-Sales Subform
37002104	Order Shipping-Purch. Subform
37002102	Order Shipping-Sales Subform
37002500	Process Reporting Consumption
37002499	Process Reporting Output
37002090	Sales Line Lot Preferences
37002661	Term. Mkt. Order Lines Subform
37002674	Truckload Recv. Lines Subform
209	Units of Measure
37002767	Whse. Staged Pick Source Line

Other modifications have been made to:

Object	Object Number	Title
Table	37002801	Asset
Table	13	Salesperson/Purchaser
Table	37002819	Preventive Maintenance Order
Page	30	Item Card
Page Ext.	37002301	FOODILM Item Card extends Item Card
Page	37002026	Lot No. Custom Format
Page	37002027	Lot No. Custom Format Lines
Page	37002451	Delivery Trip List

We didn't change other objects containing OnModify code as we couldn't find a satisfactory solution.

5.2 Remarks on Microsoft features

Behavior changes due to **Auto-save as you work**.

Microsoft added the new feature "Auto-save with every field save" in the 2022 Wave 2 release, when this is enabled changes (OnModify) made by the user will be saved immediately.

This has resulted in Business Central responding differently to alerts and errors as users are used to.

Also To-Increase is not able to change this behavior by adjusting code.

Therefore we advise not to enable this feature, of course, users may use this feature if they want to, but To-Increase cannot adjust the changed behavior if users complain about it.

In 2020 Wave 2 release Microsoft added the feature **New sales pricing experience**, as To-Increase we do not support this new feature at the moment.

The To-Increase pricing enhancements are built on the old pricing system of Microsoft.

As the new sales pricing experience is still under construction, auto enablement is even postponed several times, and old pricing system is not yet retired we advise not to enable this feature as this will give an error.

Microsoft is busy to make changes to the new sales pricing experience, but not expect them to be ready before Q2-2023, so Microsoft postponed the retirement of the old pricing system.

6. Post Release Defects Resolutions

6.1 Post Release Defects Resolutions

In this update the following issues have been resolved:

ID*	Title	Case**
164365	**Change Lot Status on Containerized Item-Lot gives error** Modified ItemJnlLine."Old Container ID".	CS00223981
	Object(s): CU22	

6.2 Other Resolutions

In this update the following has been resolved or added:

ID*	Title	Case**
163700	**Enhancements to Auto-Save as You Work** Change the new behavior of Business Central caused by Auto-Save as You Work "back" to the behavior we were used to.	Internal
	See chapter 5.1	
164521	**Add event in Sales Accrual Management** Event added in Sales Accrual Management Codeunit	CS00223959
	Object(s): CU37002130	

*ID: Azure DevOps Work Item

**Case: Internally found defect or external found defect, external is marked with Case no. from SNOW

7.   Upgrading

When upgrading from previous versions of FOOD please contact To-Increase Support for the relevant upgrade kits and upgrade guidelines.

7.1   Attention points Per Tenant Extensions in SaaS

For upgrading SaaS environments extra attention is needed for installed Per Tenant Extensions as they can't upgrade automatically.

See Microsoft docs related pages:
- Environments that can't get updated
- Upgrades and per-tenant extensions
- Uninstall an app