STAEDEAN Rental Mobile Operations – Transportation

Release notes July 2025 (version 10.0.50)

Author: Maarten Kalf, Product Owner

Table of Contents

Document Information

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1.   General

1.1   Purpose

This document describes the new functionality that has been developed for Rental Mobile Operations - Transportation.

It also elaborates on it's capabilities, delivered solution and the known issues for this release and it provides information about the underlying structure of the application.

This document is primarily meant for product- and implementation consultants familiar with the concepts of Rental Mobile Operations - Transportation.

1.2   Audience

The audience for this document is certified partners selling and implementing as well as customers who have bought the solution.

1.3   Compatibility

In some cases, an update of Rental Mobile Operations - Transportation requires an update of the Microsoft Dynamics 365 Rental F&SCM version of the linked Microsoft Dynamics 365 Finance and Operations instance in order to be fully compatible. The following table lists such dependencies.

Rental Mobile Operations – Transportation version	Dual-Write mapping Base version	Minimum required Rental Management version
1.0.0.50	2.0.0.0*	10.0.44.56

The Rental Mobile Operations – Transportation continu's to work on older versions and can be implemented on older Dynamics 365 Rental F&SCM versions, however this will not support the full capabilities of Rental Mobile Operations – Transportation.
Note:
As this is a complete new application with a new data structure, this application will not work on older versions of Microsoft Dynamics 365 Rental F&SCM, it operates from version 10.0.43.55

*Base version 2.0.0.0, but individual mappings are higher. It is expected that customer use highest available versions.

In case of an Error, STAEDEAN may provide a Hotfix on a reasonable efforts basis in a way it considers appropriate in its discretion. STAEDEAN cannot be obliged to provide Hotfixes if Client has not deployed the latest Release or the Release second to the latest Release and/or is not using a supported version of Microsoft Dynamics.

To ensure our customers can fully leverage the latest enhancements, features, and quality improvements, we are committed to providing increased support by keeping them updated with the most recent releases. Our data indicates that customers on the latest version experience fewer issues and requests, demonstrate greater resilience, and effectively enhance their organizational efficiency.

More information about our latest available product versions, the latest validate GA-versions from Microsoft as well as the Minimum Microsoft version required, please visit this page : **Knowledge Base - Support**. It could be that the screen needs to be updated as new information is available. As a supplier, we assume that delivered solutions and upgrades are first tested in a test environment and deployed to a live/production environment after internal customer approval.

1.4 Available languages

The Rental Mobile Operations - Transportation application is delivered in English (US, default language), Netherlands, Deutsch, Dansk, Norsk (Bokmål) and Svensk.
More languages can be added, see for more information our Rental Mobile Operations - Transportation - Implementation Guide.

1.5 Apps

The Rental Mobile Operations - Transportation works with Microsoft Power Apps application. See User Guide for more detailed information on installation and usage of this application.
Sales, Consultants and Customer IT department and Customer procurement should also pay attention to the *Power Apps system requirements* documentation as this gives information on supported devices and versions.

1.6 Offline capabilities

The app is designed with Microsoft Offline-first mode and build following Microsoft best practices on how much data is downloaded and the speed of downloading this data to a mobile device based on an offline profile.

Creating a new offline profile and assigning it to users is possible but could cause performance issues on the used mobile device. Changes to existing or new added offline profiles that do not follow Microsoft's best practices are at the customer's risk and are not covered by support.
See Implementation Guide for more information.

In the User Guide is clearly stated which features are supported in offline mode.

1.7 Managed solution

The Rental Mobile Operations - Transportation application is delivered as a Managed Solution.

Managed solutions are deployed to any environment that isn't a development environment for that solution. This includes test, UAT and production environments. Managed solutions can be serviced independently from other managed solutions in an environment. As an ALM best practice, managed

solutions should be generated by exporting an unmanaged solution as managed and considered a build artifact.

Additionally:

- You can't edit components directly within a managed solution. To edit managed components, first add them to an unmanaged solution.
    - When you do this, you create a dependency between your unmanaged customizations and the managed solution. When a dependency exists, the managed solution can't be uninstalled until you remove the dependency.
- Some managed components can't be edited. To verify whether a component can be edited, view the managed properties.
- You can't export a managed solution.
- When a managed solution is deleted (uninstalled), all the customizations and extensions included with it are removed.

Some important remarks:

- You can't import a managed solution into the same environment that contains the originating unmanaged solution.
- To test a managed solution, you need a separate environment to import it into.
- When you delete a managed solution, the following data is lost: data stored in custom entities that are part of the managed solution and data stored in custom attributes that are part of the managed solution on other entities that are not part of the managed solution.

On top of a Managed Solution customization can be built, it is deployed as an Unmanaged Solution. If problems arise with the app, the first thing that will be considered is whether there are Unmanaged Solutions present in the environment in addition to the Managed Solution. If this is the case, the first thing to consider will be whether they have a negative impact on app performance.

See for more information our Power Platform Managed vs Unmanaged Solutions document. If more explanation is needed on this topic don't hesitate to contact us.

1.8　Modifications

With each release an updated Mappings file (zip file with Excel files) is delivered with an overview of all mappings. This gives an overall view of all the mappings used by the app.

In Microsoft Dynamics 365 F&SCM all running dual-write mappings are shown with their corresponding version and publisher.
This way it is clear what the latest version is and who it came from.
If modifications/customizations have been made to dual-write a different version no. and publisher is shown.

Customizations to the app are recognized as unmanaged solutions. When an upgrade is done to a new managed version, newly added features could be blocked by an unmanaged solution.

Customers can check new features based on notes in the release notes and can decide if an unmanaged solutions must be altered or deleted to give access to new features.

1.9 Time zone explanation

The app is linked to Dataverse and Dataverse is linked to Rental Management F&SCM, which affects the display of date and time.

Date and times in Dataverse are always based on the UTC time zone. If no date and time are entered, 1/1/1900 12:00 AM will be stored in Dataverse. All date and time columns in Dataverse support values as early as 1/1/1753 12:00 AM.

The Rental Management F&SCM user must have the same time zone setting as the app user to see the correct date and time that is coming from the app to Rental Management F&SCM.

2.   What's New

This chapter briefly touches upon any core features for Rental Mobile Operations - Transportation, and describes any discontinued features and the reasoning behind the discontinuation.

NOTE: Microsoft is continuously adding new features in the application. 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 STAEDEAN support. In addition, our Rental solution on Dynamics 365 F&SCM is frequently extended with new features, it is not said that all are related to Rental Mobile Operations applications or will be supported by these applications.

2.1   Enhancements

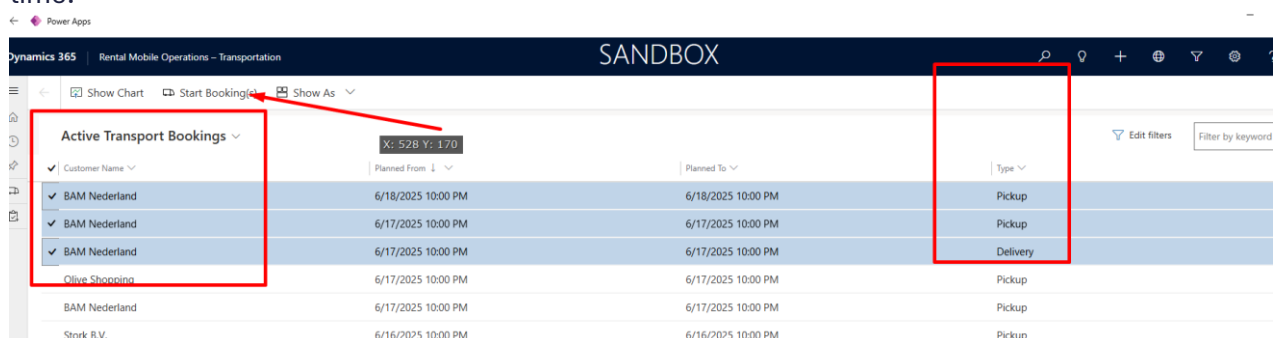### 2.1.1   Change in Share point SPN type for mobile apps
The service principle type used for connecting to SharePoint from the mobile apps is retired by Microsoft. https://learn.microsoft.com/en-us/sharepoint/dev/solution-guidance/security-apponly

We have adjusted both the apps to work with the new service principle type:
https://learn.microsoft.com/en-us/sharepoint/dev/solution-guidance/security-apponly-azuread

2.1.2   Update multiple bookings to In progress at the same time
A truck driver using the transportation app could have multiple items from multiple bookings in his truck. Currently the truck driver has to open each booking separately and change the status to In Progress. To increase the usability for the truck driver, we have made the adjustment that the truck driver can select multiple bookings and then start the booking for all selected records at the same time.

2.1.3 Expanded the Ad hoc pick up request item search filter

The possibilities of the item search filter on the ad hoc pick up request form has been increased.
The user is now able to search on

- Item product number
- Item Name
- Serial number
- Business object number
- Fleet number

And all options support partial search.

New Pickup Request Item - Unsaved

General

Type	Serialized
Asset	* fleet
Error	🔒

Asset   Recent records

DEMF-0092999:BO89
SLEEPME1A

Choose dnr product for Item

*04   ✕

Bulk Items (default) ⌄

	Item Number ⌄	Name ↑ ⌄
○	9104801	3/8 in Air hose 50ft
○	IR01	Access slope type 03/04
○	ASBulk0104	ASBULK0104
○	FVL_Bulk-04	FVL_Bulk-04
○	SC_MS004	ROLLER SCAFFOLD H-BRACKET 2,45M
○	test bulk0304	test bulk prod

2.1.4 Add support for devices with integrated barcode scanner

Added support for devices with integrated barcode scanner. Functionality has been tested with a
Zebra tablet.

On the delivery booking, pickup booking and pickup requests the field Barcode text has been added.
While this field is active, the user can use the integrated barcode scanner and what is scanned will
be placed in this field and activated to search.

DEMF-016582 - Saved
Transport Booking

General   **Delivery Items**   Location   Attachments

Barcode Text   [ ]

Delivery Items

☐   Item ↑ ⌄

☐

2.1.5   Hide Asset tab in the Transportation app

As a driver does not require a separate tab to enter the asset information in the transportation app, the button has been removed.

The driver is still able to open de assets from the objects that are being delivered/returned from the bookings.

2.1.6   Ability to work more efficiently to improve user experience

Part of a selection of tickets adjustments have been made to multiple screens to give the driver the ability to work more efficiently and improve his user experience.

2.1.6.1 Changes on the main screen

On the main screen all buttons are removed/hidden if there not applicable. Except for the buttons that are controlled by Microsoft.

2.1.6.2 Changes on the pick up request form

On the pick up request form the following changes have been made.
- Unused buttons are removed, if not restricted by Microsoft.
- The remaining buttons are changed in order to be more logical
- Added button to send for creation, to prevent the user from having to use the status field.

2.1.6.3 Changes on the Main delivery screen

On the main delivery screen the following changes have been made.
- Unused buttons are removed, if not restricted by Microsoft.
- The list with the delivery items has been moved from the General tab to a separate tab.
- Removed signature from the General tab, as signature is taken in the summary.
- Blocked switch off forms.

2.1.6.4 Changes on the Delivery Scan item screen – serialized

On the Delivery Scan item screen(serialized) the following changes have been made.

- Unneeded data has been removed from the General tab and are still visible on the asset.
    - Object name
    - Object category
    - Warranty until
- Added Item number
- Looking into the delivery item, the Fuel and meters have been moved to a separate tab.

- If you mark an item as skipped or delivered in the additional item screen, then the page is automatically saved and returned to the delivery item screen. So that the user does not have to do this himself.

2.1.6.5 Changes on the Delivery Scan item screen - Bulk

On the Delivery Scan item screen(bulk), the following changes have been made.

- Unneeded data has been removed from the General tab and are still visible on the asset.
    - Object name
    - Object category
    - Warranty until
- Added Item number
- If you mark an item as skipped or delivered in the additional item screen, then the page is automatically saved and returned to the delivery item screen. So that the user does not have to do this himself.

2.1.6.6 Changes on the Delivery Summary screen

On the Delivery Scan item screen(bulk), the following changes have been made.

- Confirming signature or skipping signature will now complete the summary
- Blocked switch off forms.

2.1.6.7 Changes on the Main return screen

On the Main return screen, the following changes have been made.

- Unused buttons are removed, if not restricted by Microsoft.

- The list with the pickup items has been moved from the General tab to a separate tab.
- Removed signature from the General tab, as signature is taken in the summary.
- Blocked switch off forms.

2.1.6.8 Changes on the Return Scan item screen - Serialized

On the Delivery Scan item screen(bulk), the following changes have been made.
- Unneeded data has been removed from the General tab and are still visible on the asset.
  - Object name
  - Object category
  - Warranty until
- Added Item number
- Looking into the return item, the Fuel and meters have been moved to a separate tab.
- If you mark an item as skipped or delivered in the additional item screen, then the page is automatically saved and returned to the pickup item screen. So that the user does not have to do this himself.

2.1.6.9 Changes on the Return Scan item screen - Bulk
On the Delivery Scan item screen(bulk), the following changes have been made.
- Unneeded data has been removed from the General tab and are still visible on the asset.
    - Object name
    - Object category
    - Warranty until
- Added Item number
- If you mark an item as skipped or delivered in the additional item screen, then the page is automatically saved and returned to the pickup item screen. So that the user does not have to do this himself.
- Unused buttons are hidden.

2.1.6.10   Changes on the Return Summary screen
On the Delivery Scan item screen(bulk), the following changes have been made.
- Confirming signature or skipping signature will now complete the summary
- Blocked switch off forms.

2.2 Discontinued features for this release

No discontinued feature in this release.

3.   Post release defects resolution

210449 F&O APi is not giving all Customers in Pickup Request
Updated F&O API to ensure all customers are shared with Mobile Transportation app.

213577 Transportation app: outbound and packing slip posting for partially picked lines issue in specific scenario
Resolved issue for the scenario that only the picked lines should be delivered during the Mobile transportation delivery process.

220271 Conflict errors when trying to add changes to the booking in status In Progress in FS/Transportation apps
Resolved an issue in the field service and transportation app for user receiving conflict errors. Part of mobile setup, plugins are user to trigger certain actions. If the user would execute an action, in this case the marking of the delivery item as delivered or skipped, while the plugin trigger is active, the user would receive this error. A fix has been applied to prevent this in the future.

223935 Work Order Created from Ad-hoc pickup request is not released to resource.
Fixed issue were the created work order in mobile for ad-hoc pickup request was not released to the resource.

4.   Known Issues

This chapter describes the issues that have been known for this release. It also elaborates on why the issues have not been solved and provides an alternative way on how to cope with them, if any.

NOTE DUAL-WRITE: Microsoft is investing heavily in Dual-Write as synchronization tool, it is Microsoft's advice to use Dual-Write. Dual-Write is a near real-time (1-10 seconds) solution, however Dual-Write can still be "slow" as some synchronizations take a minimum of 5 seconds, which can't be made faster.
Also Dual-Write has its limitations, known issues and unsupported features which are described in the Mapping Concept pages of Dual-Write, see the Dual-write home page - Finance & Operations | Dynamics 365 | Microsoft Learn.

NOTE SYNCHRONISATION TIME: The Rental Mobile Operations – Apps applications use standard Microsoft technology to synchronize, this technology makes every 5 minutes a synchronization based on the found delta in data.

NOTE STANDARD FEATURES: In the Rental Mobile Operations – Apps applications are a lot of standard available Microsoft features visible, this does not mean that we support them. It could be that this feature is not working in relation with the application or is not working at all. In the User Guide is written down which standard Microsoft features are supported by the application.

NOTE OFFLINE MODE: The Rental Mobile Operations – Apps application are based on offline-first features from Microsoft for model-driven Power Apps applications. However, this will not say that the application will support all features in offline mode. In the User Guide is described which features are supported in offline mode. In addition, it could be that some standard Microsoft features do not work in offline mode, where known, attempts will be made to indicate this in the User Guide.