Contents

[**Questions/Clarifications from business** 2](#_Toc82636674)

[**Improvements** 2](#_Toc82636675)

[**User Story-1** 3](#_Toc82636676)

[**User Story-2** 4](#_Toc82636677)

[**User Story-3** 5](#_Toc82636678)

[**User Story-4** 6](#_Toc82636679)

[**Business Scenarios** 7](#_Toc82636680)

## **Questions/Clarifications from business**

1. What are the mandatory fields for each delivery detail record?
2. I assume user intends to update the delivery details of multiple equipment via a single file.
3. Will user only update the current pending deliveries details or correct the completed delivery details as well?
4. How many users will use the bulk upload functionality?
5. Which departments will use the bulk upload functionality?
6. How familiar are the users with the system and with the bulk upload functionality (from any system)?
7. What is the estimated size, in terms of number of records, of each bulk upload?
8. How many users in parallel are expected to use the functionality?
9. What will be the rollout and communication plan?
10. How will we communicate the usage of the excel for bulk update and communicate new versions of excel template?
11. Is there any need of central guidelines document explaining how to fill the data in excel?

## **Improvements**

I would suggest a download functionality for the existing delivery details. Then the user can easily update the details in excel and upload it for the processing. In this case we may not have create an excel template with a how to fill guideline.

## **User Story-1**

**Note: - Depending upon the team’s way of working, acceptance criteria can be updated to implement and verify the changes in one of the DTAP environments. If the target environment in one sprint is not Production, then the follow up user stories will be created for the integration and implementation of the components.**

|  |  |
| --- | --- |
| User Story -1 | |
| US Summary | As a PO IWLT have a file upload functionality so the application users can upload an excel with the delivery details. |
| Acceptance Criteria | 1. User with an authorised access is able to view a button to upload an excel for the bulk data updates. 2. User is able to view the progress of excel upload. 3. In case of any issues with file upload then an error message is shown to the user. 4. User is able to load an excel of size up to **X** kbs and **Y** number of users are able to load the excels in parallel. 5. Error message is shown to the user when he/she tries to upload a file with size > **X** kbs. |
| Description | To allow bulk update it is necessary that the user is able to upload an excel. This user story allows user to do it.  The application checks if the user is authorised to perform the action and allows the user to load an excel sheet. The file uploading progress is shown to the user so he/she can understand that the sheet is getting loaded.  In the end application provides a successful message or an error message to convey the end result of the data upload.  **Note:-** As a part of user story I will ask development team to provide access to a dummy role so the code can move to next environment but user still will not be able to access it. |

## **User Story-2**

|  |  |
| --- | --- |
| User Story -2 | |
| US Summary | As a PO IWLT validate the delivery details in the uploaded excel sheet and inform the user with a meaningful message in case of an error so the user can correct the data. |
| Acceptance Criteria | 1. The validations are performed as soon as the excel upload is successful and user is informed that validations are in progress. 2. The validations are performed in the order mentioned in the description. 3. Validations are performed till the first empty row in the excel sheet. 4. All the validation errors are logged in a csv downloadable file and user is able to download the file. 5. Validation errors are reported in the format mentioned in the description. 6. In case a data record has multiple errors, all errors are logged in the log file. 7. Application is able to perform validations for **X** number rows within a minute and is able to process **Y** number of excels in parallel. |
| Description | To process the bulk updates, it is necessary to validate the data records to identify any data errors and report the errors to the user so he/she can fix it and reload the excel again.  The excel data is validated for the below mentioned errors and in case of any error, the error is reported in below format.  Format with column headers: -   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Row Num in Excel | Equipment Number | Error Column | Error Column Value | Error Message |   Validations: -   1. Excel file must have a header and header columns must be in same sequence as mentioned in the template. 2. Equipment number must be filled in. 3. Equipment number must be known to the system. 4. Transport mode, when filled, must be as per the allowed value. 5. If transport mode is filled, transport type must be filled in. 6. Transport type, when filled, must be compliant with the transport mode. 7. Haulier, when filled, must be as per the allowed value. 8. Pick up date should be earlier than delivery date (if it is filled). 9. If delivery date is filled then pick up date must be filled in. 10. To sent value must be as per the allowed value.   Error message: -   1. Missing header column or column sequence is not per template mentioned in <location of the central document>. 2. Equipment number cannot be empty. 3. Invalid equipment number. Equipment number is not found in the system. 4. The mentioned transport mode is now allowed. 5. Transport type is filled but transport mode is not filled. 6. The mentioned transport type is not allowed with the specified transport type. 7. The mentioned haulier is not allowed. 8. Pickup date cannot be later than the delivery date. 9. Pickup date cannot be empty when delivery date is filled in. 10. The mentioned To Sent value is not allowed. |

## **User Story-3**

|  |  |
| --- | --- |
| User Story -3 | |
| US Summary | As a PO IWLT update the delivery details based on the data provided in bulk upload excel so the user can register the latest delivery status in the system. |
| Acceptance Criteria | 1. After the successful excel upload with a valid data, application is able to perform update (if record already present)/insert (if record is not present) the data records. 2. All the records till the first empty row are processed by the application. 3. User is able to view that the delivery details are being updated. 4. After the data processing application creates a downloadable log file and user is able to download the file. Log file has format as mentioned in the description. 5. Application is able to process **X** records per excel within a minute and is able process **Y** number of excels in parallel. 6. Exiting functionality to update delivery details manually must work as it is. |
| Description | The uploaded and validated excel is processed to update/insert the delivery details. In this case one of the three action is done.  - If the delivery details are not present in the database, then details are inserted in the database.  - If the delivery details are present but are not same as input the input then the details are updated.  - If the delivery details are present and are not same as input the input then no action is taken.  After processing the downloadable log file is created in below format   |  |  | | --- | --- | | Row num in Excel | Action Performed |   Action performed has three possible values   1. Delivery details are updated. 2. Delivery details are inserted 3. Not processed. Delivery details with same information already exist in the database. |

## **User Story-4**

|  |  |
| --- | --- |
| User Story -4 | |
| US Summary | As a PO IWLT provide access of bulk update functionality to the end users so that they can perform the updates using an excel sheet. |
| Acceptance Criteria | 1. All the users who have access to manually update the delivery details are able to perform the bulk update. 2. Exiting functionality to update delivery details manually must work as it is. |
| Description | The bulk update functionally needs to be rolled to the end users. Business has updated the guidelines document and communication will be sent to the users. All the users should be granted the access to use the functionality from date XX-XX-XXXX. |

## **Business Scenarios**

Some of the business scenarios which I would like to test

1. Only the authorised users are able use the bulk update functionality.
2. No validation error is reported for the checks which are already done in the excel. If the errors are reported by the application, then excel validation checks are not in sync with the application.
3. Application is able to upload, validate and process the delivery details for the excel of size X kb. For size greater than X kb application must display an error message.
4. Validation logs are complete and must provide all the errors in one log file. After solving each of the mentioned error in the log, the file validation must not fail.
5. After the bulk update, the delivery details are getting updated correctly. The screens should display the delivery details as they were mentioned in the excel sheet.
6. Based on the process, I would also like to validate that the next step is able to use the data and is able to perform the required function.