VAS | PTI – MR Vol.2

(PTI-Maintenance & Repair)

DPW Sokhna

# Document Management Information

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# PROJECT

## OVERVIEW

After we held a meeting with the shipping lines, we agreed on:

1. **M&R**:
   1. Add new field “Required number of cable meters” +1 splice kit for Cable Elongation Option.
   2. Send EOR or Performa Invoice for the estimated cost of the repair while requesting.
   3. Enable user to have his own fixed list of mails for each M&R and PTI.
2. **PTI**:
   1. Make the mail filed mandatory so the user must enter at least one mail.
   2. Change the way we display Cold Treatment and Humidity in request mail to be “YES” and “NO” instead of “X”.
   3. Add new fields while requesting PTI:
      1. Booking Number.
      2. Temperature in Celsius.
      3. Ventilation in CBM/HR.
      4. Humidity in Percentage (50%: 95%).
      5. Cold Treatment.
      6. Pharma Booking.
      7. Special Notes.
   4. Send 1 mail for reefers having a successful PTI once all requested number of reefers matched the succeeded ones.
   5. Send mail for each failed reefer.
   6. State requested settings, assigned reefers and shipping line in the mail in the notification mail body.

## OBJECTIVE

Enhancing our new service (MR), and enhance the cycle of PTI.

## BUSINESS CASE

PTI module to be as the following:

1. **M&R**:
   1. Add new field “Required number of cable meters” +1 splice kit for Cable Elongation Option.
   2. Send EOR or Performa Invoice for the estimated cost of the repair while requesting.
   3. Enable user to have his own fixed list of mails for each M&R and PTI.
2. **PTI**:
   1. Make the mail filed mandatory so the user must enter at least one mail.
   2. Change the way we display Cold Treatment and Humidity in request mail to be “YES” and “NO” instead of “X”.
   3. Add new fields while requesting PTI:
      1. Booking Number.
      2. Temperature in Celsius.
      3. Ventilation in CBM/HR.
      4. Humidity in Percentage (50%: 95%).
      5. Cold Treatment.
      6. Pharma Booking.
      7. Special Notes.
   4. Send 1 mail for reefers having a successful PTI once all requested number of reefers matched the succeeded ones.
   5. Send mail for each failed reefer.
   6. State requested settings, assigned reefers and shipping line in the notification mail body.

## RISKS

Data loss which is handled using backups.

## OUT OF SCOPE

# SERVER REQUESTS

## LIST OF REQUIRED SERVICES

2 Servers with latest version for the VAS modification of .NET framework and latest version of ORACLE client. Load balancer concept need to be implemented to handle the server failure.

2 Servers with latest version for the Technical modification of .NET framework and latest version of ORACLE client. Load balancer concept need to be implemented to handle the server failure.

# ACCESS REQUIREMENTS

## LIST OF USERS

Selected user from Operation, Technical and ATEB Company.

# DATABASES

## DATABASE SERVER

* Operating System: Windows Server 2012 R2 Standard.
* Processor: Intel® Xeon® CPU E5-2690 v4 @ 2.60 GHz (4 Processors)
* RAM: 32.0 GB
* DB Client: ORACLE 12 - 4.122.1.0
* .NET Framework: 4.5.2 or greater.

# OLD SOURCE CODE

## FRONT-END (*Web Application*)

* **PTI - Request:**
  + Create request for PTI.
  + Enter the number of containers.
  + Enter the humidity and the Reefer type (Normal or Cold Treatment).
  + Enter PTI Type :
    - Internal.
    - External.
  + Add notes and list of Emails.

|  |  |  |
| --- | --- | --- |
| File Name | File | Description |
| PTI - Request |  | Create request for PTI.  Enter the number of containers.  Enter the humidity and the Reefer type (Normal or Cold Treatment).  Enter PTI Type (Internal).  Add notes and list of Emails. |
|  |
| MR (Maintenance & Repair) - Request |  | Create request for MR.  Upload Excel sheet of the containers requested.  Select the maintenance option from a predefined list.  Add notes and list of Emails.  Hold the container with MTY\_REEF Hold. |
|  |
|  |
| Update PTI Status |  | Search for Reefer.  Check the PTI checklist (Cold Treatment, Humidity).  PTI Type (Internal, Visual, Without PTI)  PTI Sub-Type (Long, Short, Nothing)  PTI Status (Success, Fail) and Notes.  Send a notification mail with the PTI status.  PTI service added on container.  MTY\_REEF Hold Released from container |
|  |
|  |
| Update MR Status |  | Search for Request Number.  Select container from showed list.  Update the status of the selected container.  Send a notification mail with the PTI status.  Maintenance service added on each selected container.  MTY\_REEF Hold released from each selected container. |
|  |
|  |

## BACK-END (*Database*)

* **PTI\_HISTORY:**
  + Table records the status of the PTI and the performed user and date as well.
* **REPAIR\_LIST:**
  + Table records the request for the MR and the assigned containers.
* **UPLOAD\_REPAIR\_REEFER:**
  + Procedure to check for the uploaded containers before assigning it on request number.
* **REPAIR\_REEFER:**
  + Procedure to update the status of the MR status, add related service and release the HOLD.
* **SET\_PTI:**
  + Procedure to update the status of the PTI status, add related service and release the HOLD.

|  |  |  |
| --- | --- | --- |
| File Name | File | Description |
| PTI\_HISTORY |  | Table records the status of the PTI and the performed user and date as well |
| REPAIR\_LIST |  | Table records the request for the MR and the assigned containers |
| UPLOAD\_REPAIR\_REEFER |  | Procedure to check for the uploaded containers before assigning it on request number |
| REPAIR\_REEFER |  | Procedure to update the status of the MR status, add related service and release the HOLD |
| SET\_PTI |  | Procedure to update the status of the PTI status, add related service and release the HOLD |

# NEW SOURCE CODE

## FRONT-END (*Web Application*)

* **PTI - Request:**
  + Create request for PTI.
  + Enter the number of containers.
  + Enter the humidity and the Reefer type (Normal or Cold Treatment).
  + Add notes and list of Emails.
* **MR (Maintenance & Repair) - Request:**
  + Create request for MR.
  + Upload Excel sheet of the containers requested.
  + Select the maintenance option from a predefined list.
  + Add notes and list of Emails.
  + Hold the container with REPAIR\_HLD Hold.
* **Update PTI Status:**
  + Search by Reefer or Reference.
  + Check the PTI checklist:
    - Cold Treatment.
    - Humidity.
    - PTI Sub-Type:
      * Long.
      * Short.
      * Nothing.
    - PTI Status:
      * Success.
      * Fail.
    - Notes.
  + Send a notification mail with the PTI status.
  + PTI service added on container.
  + MTY\_REEF Hold Released from container.
* **Update MR Status:**
  + Search for Request Number.
  + Select container from showed list.
  + Update the status of the selected container.
  + Send a notification mail with the PTI status.
  + Maintenance service added on each selected container.
  + REPAIR\_HLD Hold released from each selected container.
* **Emergency MR:**
  + Search for Reefer.
  + Select maintenance options.
  + Update the status of the selected container.
  + Send a notification mail with the PTI status.
  + Maintenance service added for each selected option.
  + REPAIR\_HLD Hold released from selected container.

|  |  |  |
| --- | --- | --- |
| File Name | File | Description |
| PTI - Request |  | Create request for PTI.  Enter the number of containers.  Enter the humidity and the Reefer type (Normal or Cold Treatment).  Add notes and list of Emails. |
|  |
| MR (Maintenance & Repair) - Request |  | Create request for MR.  Upload Excel sheet of the containers requested.  Select the maintenance option from a predefined list.  Add notes and list of Emails.  Hold the container with MTY\_REEF Hold. |
|  |
| MR (Maintenance & Repair) - Emergency |  | Search for Reefer.  Select maintenance options.  Update the status of the selected container.  Send a notification mail with the PTI status.  Maintenance service added for each selected option.  REPAIR\_HLD Hold released from selected container |
|  |
| Update PTI Status |  | Search for Reefer.  Check the PTI checklist (Cold Treatment, Humidity).  PTI Type (Internal, Visual, Without PTI)  PTI Sub-Type (Long, Short, Nothing)  PTI Status (Success, Fail) and Notes.  Send a notification mail with the PTI status.  PTI service added on container.  MTY\_REEF Hold Released from container |
|  |
|  |
|  |
| Update MR Status |  | Search for Request Number.  Select container from showed list.  Update the status of the selected container.  Send a notification mail with the PTI status.  Maintenance service added on each selected container.  MTY\_REEF Hold released from each selected container. |
|  |

## BACK-END (*Database*)

* **PTI\_HISTORY:**
  + Table records the status of the PTI and the performed user and date as well.
* **REPAIR\_LIST:**
  + Table records the request for the MR and the assigned containers.
* **UPLOAD\_REPAIR\_REEFER:**
  + Procedure to check for the uploaded containers before assigning it on request number.
* **REPAIR\_REEFER:**
  + Procedure to update the status of the MR status, add related service and release the HOLD.
* **SET\_PTI:**
  + Procedure to update the status of the PTI status, add related service and release the HOLD.

|  |  |  |
| --- | --- | --- |
| File Name | File | Description |
| PTI\_HISTORY |  | Table records the status of the PTI and the performed user and date as well |
| REPAIR\_LIST |  | Table records the request for the MR and the assigned containers |
| UPLOAD\_REPAIR\_REEFER |  | Procedure to check for the uploaded containers before assigning it on request number |
| REPAIR\_REEFER |  | Procedure to update the status of the MR status, add related service and release the HOLD |
| SET\_PTI |  | Procedure to update the status of the PTI status, add related service and release the HOLD |

# SCREENSHOT









