**MTVF TATRA ERP Project**

**Technical Specfications**

Sales and Distribution -Task List Upload

|  |  |
| --- | --- |
|  | |
| **Project ID** | PKZKSCF336 |
| **Project Name** | MTVF TATRA ERP PROJECT |
| **Customer Organisation** | Military Industries Corporation |
| **Project Manager, Email** | Purusothaman.E, epurusothaman@kaartech.com |
| **Customer Project Manager, Email** | Abdulaziz Almutairi a-almutairi@mic.org.sa |
| **Document Author, Email** | Dinesh V, vdinesh@kaartech.com |

**Approvals and Authorizations**

| **Ver. No.** | **Ver. Date** | **Prepared By** | **Reviewed By** | **Review**  **Date** | **Approved By** | **Affected Section & Summary of Change** |
| --- | --- | --- | --- | --- | --- | --- |
| 1.0 | 24.12.2019 | Dinesh V |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Template Version History (not to be modified by project teams)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Ver. No.** | **Ver. Date** | **Prepared By** | **Reviewed By** | **Review**  **Date** | **Approved By** | **Affected Section & Summary of Change** | **PIF No.** |
| Draft V0.1 | 13-Dec-12 | Process Owners Group (POG) member | SEPG | NA | NA | Initial draft for review and approval | NA |
| Released V1.0 | 07-Jan-13 | Process Owners Group (POG) member | SEPG | 24-Dec-12 | SEPG | reviewed and updated various sections, file name changed per QMS Standard, approved and released | NA |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**Table of Contents**

[1. Technical Specification 4](#_Toc370636210)

[1.1 Development Details 4](#_Toc370636211)

[1.2 Development Overview 4](#_Toc370636212)

[1.3 Objective of Development 4](#_Toc370636213)

[1.4 Development Requirement Specification 4](#_Toc370636214)

[1.5 Cross Functional Reference 4](#_Toc370636215)

[1.6 Configuration Consideration 5](#_Toc370636216)

[1.7 Relevant Transaction Codes 5](#_Toc370636217)

[1.8 Reference Programs 5](#_Toc370636218)

[1.9 Selection Parameters 5](#_Toc370636219)

[1.10 Error Handling 5](#_Toc370636220)

[1.11 User Exit/ Enhancement 5](#_Toc370636221)

[1.12 Source File Location 5](#_Toc370636222)

[1.13 Prerequisites 6](#_Toc370636223)

[1.14 Program Logic/ Pseudo Code 6](#_Toc370636224)

[1.15 Report/ Form Layout (Output Format) 6](#_Toc370636225)

[1.16 Special Requirement 6](#_Toc370636226)

[1.17 Workflow Details (If Any) 6](#_Toc370636227)

[1.18 Authorization Specification 6](#_Toc370636228)

[1.19 Test Scenarios 6](#_Toc370636229)

[Appendix A :](#_Toc370636230) *[Glossary](#_Toc370636230)* [7](#_Toc370636230)

# Technical Specification

## Development Details

|  |  |
| --- | --- |
| **Detail** | **Description** |
| Dev ID: |  |
| **GAP ID:** |  |
| **Reference ID** |  |
| **Development Type** | Form  Report  Interface  Conversion  Enhancement |
| **Development Title** | Invoice Printout |

## Development Overview

|  |  |
| --- | --- |
| **Transaction Code** | **Description** |
| **Functional Flow** |  |
| **Transaction/Program** | Program |
| **Screen/Report** |  |
| **Table – Used or Produced** | VBRK, KNA1, ADRC, VBRP, VBRK, VBFA, PRCD\_ELEMENTS, VBAK, VBKD, T005T, LIKP, AUFK, AFIH, QMEL, TVZBT |
| **Fields – Used or Produced** |  |
| **Sort Criteria** | Form |
| **Complexity** | Medium |
| **Logical System IDs** | Dev |
| **Security Requirement** |  |

## Objective of Development

**Invoice Printout** - The Objective of the Development is to produce an Invoice Printout against the given Invoice Number as the Input , that gives the necessary details regarding the Invoice apart from the Standard Invoice Printout.

## Development Requirement Specification

**Invoice Printout** - Printout displays the Customer Details , Information regarding the Incident , Payment Details, Contact Details , Bank Details and gives Detailed Item Table that Describes each item’s VAT , VAT percent , Cumulative Total with Discounts and Other Charges , to give necessary Invoice apart from the Standard Invoice Printout.

## Cross Functional Reference

|  |  |
| --- | --- |
| **Module / Component** | **Description** |
|  |  |

## Configuration Consideration

|  |  |
| --- | --- |
| **IMG Activity** | **Consideration Description / Notes** |
|  |  |

## Relevant Transaction Codes

|  |  |
| --- | --- |
| **Transaction Code** | **Description** |
|  |  |

## Reference Programs

|  |  |
| --- | --- |
| **Program Name** | **Description** |
|  |  |
|  |  |

## Selection Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Table Name** | **Description** | **(M)andatory**  **(O)ptional** | **(P)arameter**  **(S)elect Option** |
|  |  |  |  |  |

## Error Handling

|  |  |  |  |
| --- | --- | --- | --- |
| **Message Class** | **Error No** | **Error Message** | **Cause of Error** |
|  |  |  |  |
|  |  |  |  |

## User Exit/ Enhancement

|  |  |  |
| --- | --- | --- |
| **Exit Name** | **Component Name** | **Description** |
|  |  |  |
|  |  |  |

## Source File Location

|  |  |
| --- | --- |
| **File Path** |  |
|  |  |

## Prerequisites

To know the Standard Guidelines and naming Conventions for developing the Object.

## Program Logic/ Pseudo Code

**Class and Method Used :**

Class name : zcl\_cs\_invoice\_printout

Method name : get\_data

This Object uses amdp class to fetch the data from the tables and uses the above mentioned class and methods.

**Customer Details :**

The Customer Details are fetched from the Table KNA1 , ADRC and stored in a internal table it\_header , passing the Invoice no, from the selection screen.

For the Customer address in the form , the fields Name, Street, Post box No, House No, City, Tel No, Fax No are checked if they are initial , only if the have data they are appended to an internal table and sent to the form , to avoid the inconsistencies while they don’t have data and avoid blank spaces.

**Item Details :**

The Item Details are fetched from the table VBRK , PRCD\_ELEMENTS and stored in an internal table it\_item , passing the Invoice no, from the selection screen.

Function LTRIM is used to delete ‘0’ occurring at the left of item number and material number , in the amdp class.

For processing the item details to meet the functional requirements , the it\_item is looped and necessary processing is done.

It\_prcd and it\_cal tables are used to hold the data for matching the required conditions type for calculating Unit Price and Total for item , VAT Value , VAT percent , Discount , Other Charges.

Condition Types :

‘ZPR0’ - Unit Price and Total for item

‘MWST’ - VAT Value and VAT percent

‘Z004’ ‘Z005’ Z007’ - Discount

‘ZHD0’ - Other Charges

In the Layout , the Discount and Other Charges fields are set to be appear only when the hold values other than ‘0.00’ , this is achieved using Javascript code in the script editor for their respective cell.

Lv\_final variable holds the Cumulative amount of the VAT value , Item total, Discount and Other Charges.

Text IDs are used to fetch the Texts for Bank Details , Contact Details , Signature . They are Created in the form Context tab as include text object , with their corresponding Name , Object ID , and Language.

## Report/ Form Layout (Output Format)



## Special Requirement

None Identified

## Workflow Details (If Any)

None Identified

## Authorization Specification

|  |  |  |
| --- | --- | --- |
| **Role ID** | **Role** | **Responsibility** |
|  |  |  |

## Test Scenarios

|  |  |  |  |
| --- | --- | --- | --- |
| **Scenario Code** | **Name** | **Description / Explanation** | **Expected Results** |
|  |  |  |  |

1. Glossary

Sort data in alphabetical Order

|  |  |  |
| --- | --- | --- |
| **Sl.No** | **Abbreviation/Terminology** | **Acronym/Definition** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |