**Functional Design Document**

Material requisition

Microsoft Dynamics Business Central Implementation

Project Name – MSME

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Prepared for – MISTER SHADES

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DOCUMENT HISTORY

**Change Record**

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| **Date** | **Author** | **Version** | **Revision Notes** |
|  | Ankur Mishra | 1.0 |  |
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**Reviewers**

| **Name** | **Position** | **Version Approved** | **Date** |
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1. Material Requisition

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| --- | --- |
| **Requirement** | **Material Requisition** |
| **FRD Reference** | PO10.1 & PP8.1 |
| **GAP/FIT Reference** |  |
| **Functional Requirement Definition**:   * Requisition will be made by: -  1. Purchase department for general purchases for office stationery, assets, machinery etc. 2. Store department on request by Production and Operation manager.  * Right to create the requisition will be given to: -  1. Department heads for all the general purchase and 2. Store for Production or for project requested by Production/Operation Manager.  * Requisition will contain the Item requested, attributes like color and dimensions, store location to which the request is been made, Job number for which the material is been requested for production or at project site. * In case of Import purchase request will have Supplier’s name, origin and delivery date will be updated automatically. * Quantity in requisition cannot be more than the quantity specified in the Job. * Any requisition without the approval from production in charge or Project in charge will not be entertained. | |
| **Assumptions / Challenges:** | |
| **Functional Process & Technical Design:**   * Requisition Table and page will be created in Header and line format. * **User will create the New page and Specify: -**  |  |  |  | | --- | --- | --- | | **Sr. No** | **Field Name** | **Description** | | 1 | Requisition No. | Auto generate from Purchase & payable | | 2 | Date of Requisition | Update Work Date with option to change | | 3 | Job No. | Look up of “Job” Table 167 to select the Job No. from | | 4 | Job task No. | Look up of “Job Task” Table 1001 to select the Job Task No. from | | 5 | Location Code | Look up of Location list (Page 15) will be given to select location code here. | | 6 | Expected receipt date | Date field | | 7 | Remarks | Text field with 100 characters | | 9 | Supplier’s name | Text Field | | 10 | Origin of Item | Text Field | | 11 | Project Code | Look up to the Value of Global Dimension 1. | | **Approval Tab** | | | | 1 | Initiator Id | Update user id as initiator when the page is created. | | 2 | Creation Date and Time | Date and time when the page is created | | 3 | Approver ID | ID of the Approver the request went to,  In case of multiple approver ID of next approval | | 4 | Sent for approval date and time | Update the Date and Time when Requisition will be sent for approval. |  * In line “**Get Job Planning Line**” function will be created.   Function will open the **Job planning lines (Table 1003),** *filtered based on Job No. and job task No. selected in header*.   * **On Line following fields will be there: -**  |  |  |  | | --- | --- | --- | | **Sr. No** | **Field Name** | **Description** | | 1 | Type | Manually specified as Item or G/L or will get updated from the Job planning line selected and updated. | | 2 | No. | Manually specified as Item or G/L or will get updated from the Job planning line selected and updated. | | 3 | Quantity needed | Manually specified as Item or G/L or will get updated from the Job planning line selected and updated. | | 4 | Unit of Measure | Manually specified as Item or G/L or will get updated from the Job planning line selected and updated. | | 5 | location | Will get updated from the Job No. selected in header | | 6 | Expected receipt date | Will get updated from the Job planning line selected. | | 7 | Job No. | Will get updated from the Job No. selected in header. | | 8 | Job task No. | Will get updated from the Job Task No. selected in header. | | 9 | Job Planning Line No. | Manually specified as Item or G/L or will get updated from the Job planning line selected and updated. | | 10 | Available Inventory | Current inventory of the item selected in the line at the selected location will be updated. |  * Standard Workflow approval should also be customized for Requisition.  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sr. No** | **Value** | **Field** | **Field Description** | **Object Details** | | 1 | MS-PRQ-01 | Work Flow Code | New Workflow for Purchase requisition | Table “1501”  Under Category code “PURCHDOC” | | 2 | Approval of a purchase Requisition is requested. | Workflow Event | New Workflow Event for to initiate Purchase requisition approval | Table “1502” | | 3 | An approval request for a purchase requisition is canceled. | Workflow Event | New Workflow Event to cancel Purchase requisition approval request | Table “1502” | | 4 | Approval Entries |  | Details of all approval entries for requisition | Table 454  Filtered by the requisition number | | |
| **Data Validations, Manipulations and Sorting:** | |
| **Test Scenarios:**   * Open “Get job planning line” function and confirm that values are filtered based on Job No. and Job Task No. specified on header. * Select multiple Lines form “Job planning Lines” and check that all of them are updated in the Material Requisition. * In case Job No. or Job task filter isn’t there. Will “Get Job Planning “show all the entries. * Make approval setup for one approver and check the fields in Approval setup and check the approval entries for initiator and approver * Make approval setup for multiple approvers. | |