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MDG-M Activation for Australia MW Deployment

Functional Specifications

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Revision History

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| Date | Version # | Description of Changes Made | Author | Approved By |
| 28/07/2023 | 1. | First Draft - VERP | Souvik Chatterjee | Namranil Roynath |
| 14/08/2023 | 2. | Second Draft - ROH | Vikee Pudakhe | Namranil Roynath |
| 30/08/2023 | 3 | Third Draft – FERT & ZREP | Souvik Chatterjee & Vikee Pudakhe | Namranil Roynath |

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# INTRODUCTION

## About this Document

This document describes the detailed functional requirements for the **MDG-M Activation for Australia MW** project. Functional requirements are the functions that the system must perform, to fulfil the business requirements. Thus, functional requirements are indirectly connected to the solution or software being developed.

## Document Audience

* The business stakeholders for the impacted areas: **AJ Plummer, Jessica Sun**
* Developers: **Balasaraswathi R, Mahtab Mondal, Souvik Chatterjee, Vikee Pudakhe**
* Other project team members: **Dibyendu Ghosh Dastider, Kakali Mukherjee, Alankar Nonia, Jayanth K, Prakhar Srivastava, Prajakta Kalar**

## Document References

| No | Title | Author | Version | Location |
| --- | --- | --- | --- | --- |
| 1 | **BRD** |  | **1.0** | [***MDG-M Australia MW - BRD***](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/MW/.Business%20Rule%20Document%20-%20Australia%20MW.xlsx) |
| 2 | **To-Be Process flow diagrams** | **Vikee Pudakhe** | **1.0** | **VERP:** [**VERP TO-BE Process MWAU**](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/MW/AS-IS%20&%20TO-BE%20FOR%20MWAU%20DEPLOYMENT/VERP%20TO-BE%20Process%20MWAU.pptx)  **ROH:** [**ROH TO-BE Process MWAU**](https://team.effem.com/:p:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20%26%20Food/MW/AS-IS%20%26%20TO-BE%20FOR%20MWAU%20DEPLOYMENT/ROH%20TO-BE%20Process-%20MWAU.pptx?d=w9c4e8df9b03f40d19ac43103e3646ff6&csf=1&web=1&e=e44CLS)    **FERT:** [**FERT & ZREP TO-BE PROCESS MWAU**](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/MW/AS-IS%20&%20TO-BE%20FOR%20MWAU%20DEPLOYMENT/FERT%20and%20ZERP%20TO-BE%20Process%20MWAU.pptx)  **ZREP:** [**FERT & ZREP TO-BE PROCESS MWAU**](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/MW/AS-IS%20&%20TO-BE%20FOR%20MWAU%20DEPLOYMENT/FERT%20and%20ZERP%20TO-BE%20Process%20MWAU.pptx) |
| 3 | **Fit-Gap Analysis** | **Mahtab Mondal, Souvik Chatterjee** | **1.0** | [**MDG-M Australia MW FIT GAP**](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/MW/3.%20Fit%20Gap/MWAU%20FIT%20GAP.docx) |

## Glossary of Terms

| Term | Description |
| --- | --- |
| MDG | SAP Master Data Governance, which MARS is implementing for better data quality and governance. |
| CR | Change Request – a ticketing concept in MDG through which creation/updating of material data is performed. |
| ATLAS | SAP system which stores Plant & Sales related data of materials. |
| VERITAS | Oracle PLM system where materials get originated. |
| Field Protection | Concept of protecting data fields in a system to prevent manual updating of fields/overwriting with values coming from another system. |

# PROJECT OVERVIEW

## Business Requirements

| No | Requirement | Function |
| --- | --- | --- |
|  | Extension of Australia – MW scope materials to specific plants as per rules of each material types | To extend scope materials to the below plants using defaulting rules in MDG.  AU14 Snack Generic FG Warehouse  AU40 Mars Snackfood Ballarat  AU41 Hemco Industries  AU42 Linfox Somerton  AU43 NSW CHOC X-Dock  AU44 QLD CHOC X-Dock  AU46 Victoria Cross Dock  AU47 SA CHOC X-Dock  AU48 MW Frozen Warehouse  AU49 TAS CHOC X-Dock  AU61 Toll Truganina (Alaska)  AU62 Toll Truganina (Texas)  AU82 Snack Generic Cocosub  AU83 Pack Centre  AU84 Rapid Pack  AU85 BRI Industries  AU86 Alaska On-Site Co-Packing  AU87 LJM Marketing  AU88 Chocolatier (Australia) Pty  AU89 AB Foods  AU90 Multipack Ingleburn  AU91 Charter Freightlines Sydney  AU94 WA CHOC X-Dock  AU95 Harris Refrigerated WA  AU97 Toll Moorebank  AU98 Multipack Pty Ltd  AUA3 Mars Wrigley Australia Factory |
|  | Extension of Australia-MW scope materials to sales organization and distribution channel as per rules for each material type | To extend scope materials to sales organization 147 and distribution channels 10, 11, 16, 18, 99 using defaulting rules in MDG. |
|  | Plant / Sales Field Maintenance as per rules for Australia – MW Scope Material Types | To update Plant / Sales fields after extension for scope Material Types |
|  | Status update of Australia – MW Scope materials | To update Plant specific material status and valid form date of scope materials in MDG. |
|  | Mass update of fields in MDG for Australia – MW Scope materials. | To perform mass update/change of certain fields of scope materials using mass change functionality of MDG. |
|  | FERT (VERITAS materials) General data enrichment of MWAU scope materials in MDG | To update local classification for scope material types in MDG. |
|  | VERP(VERITAS materials) General data enrichment of MWAU scope materials in MDG | To update local classification for scope material types in MDG. |
|  | ROH(VERITAS materials)General data enrichment of MWAU scope materials in MDG | To update local classification for scope material types in MDG. |

**CIPs identified during the project: (More CIPs will be added once identified)**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **CIP#** | **Description** |
|  |  |  |

## Key Milestones

|  |  |
| --- | --- |
| **Milestone** | **End Date** |
| Requirement Finalization | 11-AUG-2023 |
| High Level Functional Specs | 11-AUG-2023 |
| Fit Gap Analysis | 11-AUG-2023 |
| Basic Configuration | 21-JUL-2023 |
| VERP Build and UT | 04-AUG-2023 |
| VERP Demo | 11-AUG-2023 |
| VERP SIT | 11-AUG-2023 |
| VERP Training | 11-AUG-2023 |
| VERP UAT | 25-AUG-2023 |
| ROH Build and UT | 18-AUG-2023 |
| ROH Demo | 25-AUG-2023 |
| ROH SIT | 25-AUG-2023 |
| ROH Training | 25-AUG-2023 |
| ROH UAT | 08-SEP-2023 |
| FERT & ZREP Build and UT | 01-SEP-2023 |
| FERT & ZREP Demo | 08-SEP-2023 |
| FERT & ZREP SIT | 08-SEP-2023 |
| FERT & ZREP Training | 08-SEP-2023 |
| FERT & ZREP UAT | 22-SEP-2023 |
| Mock Load | 25-AUG-2023 |
| Business Freeze | 06-OCT-2023 |
| Cutover | 06-OCT-2023 |
| Go-Live | 09-OCT-2023 |
| Hypercare | 20-OCT-2023 |
| Support Handover | 20-OCT-2023 |

## Scope:

The business requirements scope for this project is as defined below:

* **Org. structure of scope materials**

The different material types and their categories in the project scope for MDG have been captured in the below table, along with details of following Org element data:

* Plants
* Sales Organizations
* Distribution Channels
* Storage Locations
* Warehouses.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Material Type** | **Material Category** | **Plant** | **Sales Org** | **Distribution Channel** | **Storage Location** | **Warehouse** |
| VERP | POMT 1 PALE (PHANTOM) | AU40 | - | - | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| POMT 8 PACK MATERIAL PROCURED EXTERNALLLY | AU40  AU41  AU61  AU62  AU82  AU83  AU84  AU85  AU87  AU88  AU86  AU90  AU97  AU98  AUA3 | 147 | 99 |
| ROH | POMT 3 E/50 | AU40 | 147 | 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| POMT 3 E/Blank | AU40  AUA3 |
|  |  |
| POMT 4 E/50 | AU40  AUA3 | - | - |
|  |  |
| R0H | POMT 5 | AU40  AU41  AU42  AU61  AU62  AU82  AU87  AU88  AU89  AU97  AUA3 | 147 | 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| R0H | POMT 7 E/50 | AU40  AUA3 | - | - | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| ROH | POMT 7 E/Blank | AU40 | 147 | 99 |  | |
| ROH | POMT 9 Raw Semi Finished | AU40  AU61  AU62 | 147 | 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| ROH | POMT 10 Raw intermediate E/Blank | AUA3 | 147 | 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT RSU&MCU | AU40 AU82 AU83 AU84 AU85 AU86 AU87 AU88 AU90 AU98 AUA3 | 147 | 99 |  | |
| FERT | FERT TDU&TDU/RSU AU40 Manufacturing Choc | AU14 AU40 AU43 AU44 AU46 AU47 AU49 AU61 AU83 AU84 AU85 AU86 AU87 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU61 BIFG/Ice Cream Choc | AU14 AU43 AU44 AU46 AU47 AU48 AU49 AU61 AU82 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU82 Copacking WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU82 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU83 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU83 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU84 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU84 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU85 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU85 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU86 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU86 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU87 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU87 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU88 Copacking Choc | AU14 AU43 AU44 AU46 AU47 AU49 AU61 AU88 AU91 AU94 AU95 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU90 Copacking WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU90 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU98 Copacking WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU98 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU97, AU82 BIFG WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU82 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU97, AU90 BIFG WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU90 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AU97, AU98 BIFG WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AU98 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| FERT | FERT TDU&TDU/RSU AUA3 Manufacturing WWY | AU43 AU44 AU46 AU47 AU49 AU94 AU97 AUA3 | 147 | 10 11 16 18 99 | Please see the table below: **Storage Locations and Warehouses defaulting rules** | |
| ZREP | ZREP TDU | - | 147 | 10 11 16 18 99 | - | |
| ZREP | ZREP RSU&MCU |  | 147 | 99 | - | |

* **General Data enrichment**

Below table represents the different material types and their categories involved in the process of general data enrichment in MDG, which includes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Material Type** | **Created In** | **General Data Attribute** | **Values** | **System** |
| VERP (Pack Material procured externally) | VERITAS | Local Classification | ZZAPVERP | MDG |
| VERP (Pack Material procured externally) | MDG | Global & Local Classification, MOE & All MDG owned general data fields | ZZPACK, ZZAPVERP,  MOE – CNV 0264 | MDG |
| VERP (Phantom) | MDG | Global Classification, MOE & All MDG owned general data fields | ZZPACK,  MOE – CNV 0264 | MDG |
| ROH POMT5 | VERITAS | Local Classification | ZZAPROH | MDG |
| FERT | VERITAS | Local Classification | ZZAPMATL | MDG |

* **Scenario IDs applicable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **CLUSTER ID** | **Process** | **Scenario ID** | **Material type** | **Scenario Description** |
| 1 | MWAU | Extension | A0CQ | VERP | VERP POMT1 PALE PHANTOM |
| 2 | MWAU | Extension | A0CR | VERP | VERP POMT8 PACK MATERIAL PROCURED EXTERNALLY |
| 3 | MWAU | Field Maintenance | A0CS | VERP | VERP FIELD MAINTENANCE FOR MD |
| 4 | MWAU | Field Maintenance | A0CU | VERP | VERP FIELD MAINTENANCE FOR SP |
| 5 | MWAU | Extension | A0CW | ROH | ROH POMT3 SEMI FINISHED PRODUCT, Procurement Type E, Special Procurement 50 |
| 6 | MWAU | Extension | A0CX | ROH | ROH POMT3 SEMI FINISHED PRODUCT, Procurement Type E, Special Procurement BLANK |
| 7 | MWAU | Extension | A0CY | ROH | ROH POMT4 SUB RECIPE PRODUCT PHANTOM |
| 8 | MWAU | Extension | A0CZ | ROH | ROH POMT5 RAW |
| 9 | MWAU | Extension | A0D0 | ROH | ROH POMT7 NAKE PHANTOM, Procurement Type E, Special Procurement 50 |
| 10 | MWAU | Extension | A0D1 | ROH | ROH POMT7 NAKE, Procurement Type E, Special Procurement BLANK |
| 11 | MWAU | Extension | A0D2 | ROH | ROH POMT9 RAW SEMI FINISHED |
| 12 | MWAU | Extension | A0D3 | ROH | ROH POMT10 RAW INTERMEDIATE |
| 13 | MWAU | Field Maintenance | A0D4 | ROH | ROH FIELD MAINTENANCE FOR MD |
| 14 | MWAU | Field Maintenance | A0D5 | ROH | ROH FIELD MAINTENANCE FOR SP |
| 15 | MWAU | Extension | A0DH | ZREP | ZREP TDU |
| 16 | MWAU | Extension | A0DI | ZREP | ZREP RSU&MCU |
| 17 | MWAU | Field Maintenance | A0DJ | ZREP | ZREP FIELD MAINTENANCE |
| 18 | MWAU | Extension | A0DN | FERT | FERT RSU&MCU |
| 19 | MWAU | Extension | A0DO | FERT | FERT TDU&TDU/RSU AU40 Manufacturing Choc |
| 20 | MWAU | Extension | A0DP | FERT | FERT TDU&TDU/RSU AU61 BIFG/Ice Cream Choc |
| 21 | MWAU | Extension | A0DQ | FERT | FERT TDU&TDU/RSU AU82 Copacking WWY |
| 22 | MWAU | Extension | A0DR | FERT | FERT TDU&TDU/RSU AU83 Copacking Choc |
| 23 | MWAU | Extension | A0DS | FERT | FERT TDU&TDU/RSU AU84 Copacking Choc |
| 24 | MWAU | Extension | A0DT | FERT | FERT TDU&TDU/RSU AU85 Copacking Choc |
| 25 | MWAU | Extension | A0DU | FERT | FERT TDU&TDU/RSU AU86 Copacking Choc |
| 26 | MWAU | Extension | A0DV | FERT | FERT TDU&TDU/RSU AU87 Copacking Choc |
| 27 | MWAU | Extension | A0DW | FERT | FERT TDU&TDU/RSU AU88 Copacking Choc |
| 28 | MWAU | Extension | A0DX | FERT | FERT TDU&TDU/RSU AU90 Copacking WWY |
| 29 | MWAU | Extension | A0DY | FERT | FERT TDU&TDU/RSU AU98 Copacking WWY |
| 30 | MWAU | Extension | A0DZ | FERT | FERT TDU&TDU/RSU AU97, AU82 BIFG WWY |
| 31 | MWAU | Extension | A0E0 | FERT | FERT TDU&TDU/RSU AU97, AU90 BIFG WWY |
| 32 | MWAU | Extension | A0E1 | FERT | FERT TDU&TDU/RSU AU97, AU98 BIFG WWY |
| 33 | MWAU | Extension | A0E2 | FERT | FERT TDU&TDU/RSU AUA3 Manufacturing WWY |
| 34 | MWAU | Field Maintenance | A0E3 | FERT | FERT FIELD MAINTENANCE |

* **Tax classification defaulting rules**

The different Tax Categories and Tax Countries for each material type in scope of this project, to be populated either by derivation/manual entry MDG is present below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Material Type** | **POMT** | **Sales Org & Distribution channel** | **Tax classification** | **Tax Country** | **Tax Category** | **Mode** |
| VERP | 08 | 147.99 | 1 | AU | MWST | Derivation |
| ROH | 03 | 147.99 | 1 | AU | MWST | Derivation |
| ROH | 05 | 147.99 | 1 | AU | MWST | Derivation |
| ROH | 07 | 147.99 | 1 | AU | MWST | Derivation |
| ROH | 09 | 147.99 | 1 | AU | MWST | Derivation |
| ROH | 10 | 147.99 | 1 | AU | MWST | Derivation |
| ZREP | - | 147.99 | 0 | AU | MWST | Derivation |
| ZREP | - | 147.10, 147.11, 147.16, 147.18, 147.99 | 1 | AU | MWST | Derivation |
| FERT | 1 | 147.99 | 0 | AU | MWST | Derivation |
| FERT | - | 147.10, 147.11, 147.16, 147.18, 147.99 | 1 | AU | MWST | Derivation |

* **Storage Locations and Warehouses defaulting rules:**

The different Storage Locations and Warehouses to be derived in MDG for each material type for Scope Plants for Thailand factory is captured in below table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Material Type** | **Plant** | **Description** | **Storage Location** | **Warehouse** | **Mode** |
| VERP | AU40 | Mars Snackfood Ballarat | 0001,0010,0020,0030,7777,  8888,9999, H001, H777, H999, 2001 | NA | Derivation |
| VERP | AU41 | Hemco Industries | 0001,0002,0007,0009,0010,0020, 0030,0040,0088,7777,8888,9999, H001, H002, H007, H777, H999 | A01 | Derivation |
| VERP | AU61 | Toll Truganina (Alaska) | 0001,0002,0005,0006,0007,0010,  0020,0030,0040,0100,0110,0200,  0201,7777,8888,9999, H001, H002,  H005, H006, H007, H100, H110,  H200, H201, H777, H999 | NA | Derivation |
| VERP | AU62 | Toll Truganina (Texas) | 0001,0002,0007,0010,0020,0030,  0040,7777,8888,9999,H001,H002,  H007,H777,H999 | NA | Derivation |
| VERP | AU82 | Snack Generic Cocosub | 0002,0003,0004,0005,0006,0007,  0008,7777,8888 | NA | Derivation |
| VERP | AU83 | Pack Centre | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| VERP | AU84 | Rapid Pack | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| VERP | AU85 | BRI Industries | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| VERP | AU86 | Alaska On-Site Co-Packing | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| VERP | AU87 | LJM Marketing | 0001,0010,0020,7777,8888,H001,  H777 | NA | Derivation |
| VERP | AU88 | Chocolatier (Australia) Pty | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| VERP | AU90 | Multipack Ingleburn | 0001,0020,7777,8888,9999,H001,  H999 | NA | Derivation |
| VERP | AU97 | Toll Moorebank | 0001,0002,0007,0010,0020,0030,  0040,7777,8888,9999,H001,H002,  H007,H777,H999,GB82,USQ7,USU4 | NA | Derivation |
| VERP | AU98 | |  | | --- | | Multipack Pty Ltd | |  | | 0001,0010,0020,0030,7777,8888,  9999,H001,H999 | NA | Derivation |
| VERP | AUA3 | Mars Wrigley Australia Factory | 0001,0002,0003,0004,0007,0008,  0010,0013,0014,0015,0016,0017,  0018,0019,0020,0021,0022,0024,  0026,0029,0052,0088,2001,7777,  8888,9999,H001,H007,H777,H999,  WB01,WB02,WB03,WB04,WB05,  WB06,WB07,WB08,WB09 | 111 | Derivation |
| ROH | AU40 | Mars Snackfood Ballarat | 0001,0010,0020,0030,7777,8888,9999,  H001,H777,H999, 2001 | NA | Derivation |
| ROH | AU41 | Hemco Industries | 0001,0002,0007,0009,0010,0015,0020,  0030,0040,0088,7777,8888,9999,H001,  H002,H007,H777,H999 | A01 | Derivation |
| ROH | AU42 | Linfox Somerton | 0001,0002,0007,0010,0015,0020,0030,  0040,7777,8888,9999,H001,H002,H007,  H777,H999 | NA | Derivation |
| ROH | AU61 | Toll Truganina (Alaska) | 0001,0002,0005,0006,0007,0010,0020,  0030,0040,0100,0110,0200,0201,7777,  8888,9999,H001,H002,H005,H006,H007,  H100,H110,H200,H201,H777,H999 | NA | Derivation |
| ROH | AU62 | Toll Truganina (Texas) | 0001,0002,0007,0010,0020,0030,0040,  7777,8888,9999,H001,H002,H007,  H777,H999 | NA | Derivation |
| ROH | AU82 | Snack Generic Cocosub | 0001,0002,0003,0004,0005,0006,0007,  0008,7777,8888,H001,H777 | NA | Derivation |
| ROH | AU87 | LJM Marketing | 0001,0010,0020,7777,8888,H001,H777 | NA | Derivation |
| ROH | AU88 | Chocolatier (Australia) Pty | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| ROH | AU89 | AB Foods | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| ROH | AU97 | Toll Moorebank | 0001,0002,0007,0010,0020,0030,0040,  7777,8888,9999,H001,H002,H007,H777,  H999,GB82,USQ7,USU4 | NA | Derivation |
| ROH | AUA3 | Mars Wrigley Australia Factory | 0001,0002,0003,0004,0007,0008,0010,  0013,0014,0015,0016,0017,0018,0019,  0020,0021,0022,0024,0026,0029,0052,  0088,2001,7777,8888,9999,H001,H007,  H777,H999,WB01,WB02,WB03,WB04,  WB05,WB06,WB07,WB08,WB09 | 111 | Derivation |
| FERT | AU14 | Snack Generic FG Warehouse | 0001,0010,0011,0012,0013,0014,0015,  0016,0017,0018,0019,0020,0021,0022,  0110,0120,7777,8888,9999,H001,H110,H120,H777,H999 | AUN | Derivation |
| FERT | AU40 | Mars Snackfood Ballarat | 0001,0010,0020,0030,7777,8888,9999,  H001,H777,H999, 2001 | AUO | Derivation |
| FERT | AU43 | NSW CHOC X-Dock | 0001,7777,9999,H001,H777,H999 | AUR | Derivation |
| FERT | AU44 | QLD CHOC X-Dock | 0001,7777,9999,H001,H777,H999 | AUS | Derivation |
| FERT | AU46 | Victoria Cross Dock | 0001,7777,9999,H001,H777,H999 | AUV | Derivation |
| FERT | AU47 | SA CHOC X-Dock | 0001,7777,9999,H001,H777,H999 | AUW | Derivation |
| FERT | AU48 | MW Frozen Warehouse | 0001,7777,9999,H001,H777,H999 | AUX | Derivation |
| FERT | AU49 | TAS CHOC X-Dock | 0001,7777,9999,H001,H777,H999 | AUY | Derivation |
| FERT | AU61 | Toll Truganina (Alaska) | 0001,0002,0005,0006,0007,0010,  0020,0030,0040,0100,0110,0200,  0201,7777,8888,9999, H001, H002,  H005, H006, H007, H100, H110,  H200, H201, H777, H999 | AU0 | Derivation |
| FERT | AU82 | Snack Generic Cocosub | 0002,0003,0004,0005,0006,0007,  0008,7777,8888 |  | Derivation |
| FERT | AU83 | Pack Centre | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| FERT | AU84 | Rapid Pack | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| FERT | AU85 | BRI Industries | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| FERT | AU86 | Alaska On-Site Co-Packing | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| FERT | AU87 | LJM Marketing | 0001,0010,0020,7777,8888,H001,  H777 | NA | Derivation |
| FERT | AU88 | Chocolatier (Australia) Pty | 0001,0010,7777,8888,H001,H777 | NA | Derivation |
| FERT | AU90 | Multipack Ingleburn | 0001,0020,7777,8888,9999,H001,  H999 | NA | Derivation |
| FERT | AU91 | Charter Freightlines Sydney | 0001,7777,8888,9999,H001,H777,H999 | AUZ | Derivation |
| FERT | AU94 | WA CHOC X-Dock | 0001,7777,8888,H001,H777 | AW1 | Derivation |
| FERT | AU95 | Harris Refrigerated WA | 0001,7777,8888,H001,H777 | AW2 | Derivation |
| FERT | AU97 | Toll Moorebank | 0001,0002,0007,0010,0020,0030,0040,  7777,8888,9999,H001,H002,H007,H777,  H999,GB82,USQ7,USU4 | AW3 | Derivation |
| FERT | AU98 | |  | | --- | | Multipack Pty Ltd | |  | | 0001,0010,0020,0030,7777,8888,  9999,H001,H999 | NA | Derivation |
| FERT | AUA3 | Mars Wrigley Australia Factory | 0001,0002,0003,0004,0007,0008,0010,  0013,0014,0015,0016,0017,0018,0019,  0020,0021,0022,0024,0026,0029,0052,  0088,2001,7777,8888,9999,H001,H007,  H777,H999,WB01,WB02,WB03,WB04,  WB05,WB06,WB07,WB08,WB09 | ASQ | Derivation |

* **Different User Groups involved and their processes**

Below table provides information regarding the different User Groups involved in the following process in MDG:

1. Plant extension
2. Sales Extension
3. Field Maintenance
4. Mass Change
5. General Data Enrichment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Material Type** | **Process** | **Requester/Approver** | **Role Description** | **Additional Information** |
| VERP | Plant extension | Requester | Master Data |  |
| VERP | Plant extension | Approver | N/A |  |
| VERP | Sales Extension | Requester | Master Data |  |
| VERP | Sales Extension | Approver | N/A |  |
| VERP | Field Maintenance | Requester | Master Data | 1. All MDG owned fields. 2. Status update will also be done through this process after Costing run. |
| VERP | Field Maintenance | Approver | N/A |  |
| VERP | Field Maintenance | Requester | Supply Group | MDG owned fields related to Quality Management, Warehouse management & MRP views. |
| VERP | Field Maintenance | Approver | N/A |  |
| VERP | Mass Change (Using FIORI File upload/download Mass change) | Requester | Master Data |  |
| VERP | Fiori Mass change | Requester | Master Data |  |
| VERP | Mass Change (Using FIORI File upload/download Mass change) | Requester | Supply Group |  |
| VERP | Fiori Mass change | Requester | Supply Group |  |
| VERP (Veritas materials) | General Data Enrichment | Requester | Master Data | Local classification – ZZAPVERP |
| ROH | Plant extension | Requester | Master Data |  |
| ROH | Plant extension | Approver | N/A |  |
| ROH | Sales Extension | Requester | Master Data |  |
| ROH | Sales Extension | Approver | N/A |  |
| ROH | Field Maintenance | Requester | Master Data | 1. All MDG owned fields. 2. Status update will also be done through this process after Costing run. |
| ROH | Field Maintenance | Approver | N/A |  |
| ROH | Field Maintenance | Requester | Supply Group | MDG owned fields related to Quality Management, Warehouse management & MRP views. |
| ROH | Field Maintenance | Approver | N/A |  |
| ROH | Mass Change (Using FIORI File upload/download Mass change) | Requester | Master Data |  |
| ROH | Fiori Mass change | Requester | Master Data |  |
| ROH | Mass Change (Using FIORI File upload/download Mass change) | Requester | Supply Group |  |
| ROH | Fiori Mass change | Requester | Supply Group |  |
| ROH (Veritas materials) – POMT5 | General Data Enrichment | Requester | Master Data | Local classification – ZZAPROH |
| ZREP | Sales Extension | Requester | Master Data |  |
| ZREP | Sales Extension | Approver | N/A |  |
| ZREP | Field Maintenance | Requester | Master Data | All MDG owned fields. |
| ZREP | Field Maintenance | Approver | N/A |  |
| ZREP | Fiori Mass change | Requester | Master Data |  |
| FERT | Plant extension | Requester | Master Data |  |
| FERT | Plant extension | Approver | N/A |  |
| FERT | Sales Extension | Requester | Master Data |  |
| FERT | Sales Extension | Approver | N/A |  |
| FERT | Field Maintenance | Requester | Master Data | 1. All MDG owned fields. 2. Status update will also be done through this process after Costing run. |
| FERT | Field Maintenance | Approver | N/A |  |
| FERT | Mass Change (Using FIORI File upload/download Mass change) | Requester | Master Data |  |
| FERT | Fiori Mass change | Requester | Master Data |  |
| FERT (VERITAS materials) | General Data Enrichment | Requester | Master Data | Local classification – ZZAPMATL |

The list of variants to be used for Mass Change process in MDG can be found [***here***](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/2.%20Requirement%20Gathering%20and%20Design/.Australia%20MW%20&%20Food/Mass%20Change%20Fields%20for%20MW%20and%20FD.xlsx). New Variants can be added at later stage also depending upon the requirement.

* **ATLAS data protection**

To prevent overwriting/manual updating of plant/sales data populated in MDG, field protection mechanism is implemented in ATLAS for MDG owned items.

The presentation containing the details of ATLAS field protection mechanism, along with the list of fields protected and their material types, can be accessed [***here***](https://team.effem.com/:p:/s/MDG-MPNEuropeActivationMSTeams/ESlniCtBXr9Gje6is12iEUQBEh0vKYx6GXLDUj_4g3KuuA?e=XzzBGg).

* **Master Data/Defaulting Jobs running in ATLAS**

Listed below are some of the fields, which are being defaulted in ATLAS by background jobs:

1. **Storage Location**: Storage Locations are defaulted using Global Framework Table in MDG. The background job which is defaulting Storage Locations in ATLAS will be disabled.

* Jobs used to default storage locations in ATLAS for New Zealand scope plants.

|  |  |
| --- | --- |
| **Job Name** | **Variant** |
| Z2\_GRD\_AU\_STORAGEVIEW | SCI\_AU036\_1 |
| Z2\_GRD\_AU\_STORAGEVIEW | ALL\_AUA3 |
| Z2\_GRD\_AU\_STORAGEVIEW | SCI\_AU036 |
| Z2\_GRD\_AU\_STORAGEVIEW | FERT\_AU82 |
| Z2\_GRD\_AU\_STORAGEVIEW | FERT\_AU, ALL\_AUA3 |
| Z2\_GRD\_MFANZ\_STORAGEVIEW | MFA FERT – 1 |
| Z2\_GRD\_MFANZ\_STORAGEVIEW | MFA FERT – 2 |
| Z2\_GRD\_MFANZ\_STORAGEVIEW | MFA FERT – 3 |
| Z2\_GRD\_MFANZ\_STORAGEVIEW | MFA FERT – 4 |

## Interfaces

| Source | Target | Key Data Fields | Direction | Batch or Real Time | Description | Comments |
| --- | --- | --- | --- | --- | --- | --- |
| MDG | GRD | Basic Data + Classification + MOE | Unidirectional | Real Time | Data is sent from MDG to GRD by intermediate interface - MULESOFT | 1. MDG sends data to MULESOFT as web service.  2. MULESOFT converts it to IDOC and sends to GRD. |
| GRD | MDG | Basic Data + Classification + MOE | Unidirectional | 15 minutes | Data is sent from GRD to MDG by intermediate BODS interface | 1. GRD sends data to BODS as IDOC.  2. BODS then sends this IDOC to MDG. |
| MDG | ATLAS | Plant & Sales Data | Unidirectional | Real Time | Data is sent from MDG to ATLAS in the form of IDOC. | N/A |
| ATLAS | MDG | Acknowledgement Data | Unidirectional | 5 minutes | ATLAS sends acknowledgement to MDG in the form of IDOC. | IDOC sent for acknowledgement to MDG is ALEAUD. |

# PERFORMANCE, SECURITY AND CONTROL

## Security, Integrity and Control Requirements

The roles, which are to be assigned to users, are classified into following categories:

1. **Framework roles**- These roles allow users to work on the MDG Framework Tables.
   1. Framework table Delete – To delete entries such as Scenario ID, Plant/Sales entries for different material types
   2. Framework table maintenance - To update entries such as Scenario ID description, Plant/Sales entries for different material types
   3. Framework table Display - To view the entries of MDG Framework Tables.
2. **Mass Change role** – This role will allow users to perform mass change/update of fields in MDG.
   1. NWBC Mass change (File upload/download using mass change variants)
   2. Fiori Mass change
3. **General user access roles –** These are common roles which are provided to all users in MDG which allow them to
   1. Access MDG Net Weaver Business Client (NWBC) UI interface
   2. Display material basic data and plant/sales data from this interface
4. **Plant and Sales extension roles -** User group specific role which provides access for the following -
   1. Plant and Sales extension- Provides access to extend the material to the organisation elements which are in scope
   2. Field Maintenance- Provides access to edit specific fields values in MDG for the organisation elements which are in scope
   3. Basic data field maintenance- Provides access to edit specific basic data fields values. Eg: Local classification update, etc.

More details relating to Security roles and authorizations can be found [***here***](https://team.effem.com/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20AUS%20MW%20and%20Food/10.%20Security/Copy%20of%20Authorization%20Role%20Matrix-%20MDG-M%20MWAU%20-%20Role%20Build%20Security%20(1).xlsx)

# TESTING REQUIREMENTS

## Key Business Test Conditions

|  |  |  |
| --- | --- | --- |
| **ID** | **Condition** | **Expected Results** |
|  | Local classification update | Possible to update local classification in MDG as per business process |
|  | Extension of material to plant | Possible to extend scope material types to plants. |
|  | Extension of material to sales organization and distribution channels | Possible to extend scope material types to sales organization 147 and distribution channels 10, 11, 16, 18 & 99. |
|  | Mass update of fields | Possible to perform mass update of the fields - Plant-specific material status and Valid from Date, along with fields present in Mass Change variants provided – for scope material types |
|  | Manual entry of certain fields in ATLAS | MD to do the costing run, update ATLAS owned fields in ATLAS. |
|  | Field Maintenance | To be able to perform field maintenance for scope material types, post extension. |
|  | Status update of fields | To be able to update Plant Specific Material status of scope materials through ZMPLTCHG CR type |

# SIGN-OFF

## Stakeholder Acceptance

| Name | Role | Date | Comments |
| --- | --- | --- | --- |
| Jessica Sun | Product Data Steward (MDM FE) |  |  |

-----------------End of Document-------------------