MDG-M Activation for China-MW Deployment

**Functional Specifications**

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| **Date** | **Version #** | **Description of Changes Made** | **Author(s)** | **Approved By** |
| 07/11/2023 | 1. | First Draft - ZPRM | Vikee Pudakhe | Mahtab Mondal, Namranil Roynath |
| 16/11.2023 | 2. | Second Draft - VERP | Souvik Chatterjee, Vikee Pudakhe | Mahtab Mondal, Namranil Roynath |
| 22/11/2023 | 3. | Third Draft - ROH | Vikee Pudakhe | Mahtab Mondal, Namranil Roynath |
| 04/12/2023 | 4. | Fourth Draft – ZREP & FERT | Bukkapatnam Sandilya, Inchara T | Mahtab Mondal, Namranil Roynath |
| 19/12/2023 | 5. | ATLAS storage location defaulting Jobs list has been updated. | Bukkapatnam Sandilya | Peddi Gowtham Kumar |
| 4/01/2024 | 6. | New AP02 Field Maintenance Scenarios for VERP, ROH & FERT are added. | Bukkapatnam Sandilya | Peddi Gowtham kumar |

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# INTRODUCTION

## About this Document

This document describes the detailed functional requirements for the **MDG-M Deployment for China 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: **Mahtab Mondal, Souvik Chatterjee, Gowtham Kumar Peddi, Inchara T, Vikee Pudakhe, Ankita Mathpati, Bukkapatnam Sandilya**
* Other project team members: **Dibyendu Ghosh Dastider, Namranil Roynath, Kakali Mukherjee, Alankar Nonia, Jayanth K**

## Document References

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title** | **Author(s)** | **Version** | **Location** |
| 1 | **BRD** | **-** | **1.0** | [China MW BRD](https://team.effem.com/:x:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/Data%20profiling/Business%20Rule%20Documents%20-%20CHINA.xlsx?d=w6b742df098d24a69a53eaf0c8f66d045&csf=1&web=1&e=5AWSqD) |
| 2 | **To-Be Process flow diagrams** | **Inchara T** | **1.0** | [ZPRM](https://team.effem.com/:p:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/1.%20AS-IS%20%26%20TO-BE/MARS%20China%20MW%20AS-IS%20%26%20TO-BE%20Process%20Flow%20for%20ZPRM.pptx?d=wd5ef4d0ad9ea453cacd05df6d65a01a2&csf=1&web=1&e=TqfBrI) |
| **Inchara T** | **1.0** | [VERP](https://team.effem.com/:p:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/1.%20AS-IS%20%26%20TO-BE/MARS%20China%20MW%20AS-IS%20%26%20TO-BE%20Process%20Flow%20for%20VERP.pptx?d=wc5cbb4869a2e4abf8c09cde40185e61b&csf=1&web=1&e=9Kc2eY) |
| **Inchara T** | **1.0** | [ROH](https://team.effem.com/:p:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/1.%20AS-IS%20%26%20TO-BE/MARS%20China%20MW%20AS-IS%20%26%20TO-BE%20Process%20flow%20for%20ROH.pptx?d=w3248f0a1a200407b9c089c4535a3caf6&csf=1&web=1&e=D2Ja5U) |
| **Vikee Pudakhe, Gowtham Kumar Peddi** | **1.0** | [ZREP & FERT](https://team.effem.com/:p:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/1.%20AS-IS%20%26%20TO-BE/MARS%20China%20MW%20AS-IS%20%26%20TO-BE%20Process%20flow%20for%20FERT%20%26%20ZREP.pptx?d=w9ae8223a708640c7bc5768fe16faf848&csf=1&web=1&e=N51Lkf) |
| 3 | **Fit-Gap Analysis** | **Mahtab Mondal/ Souvik Chatterjee/ Peddi Gowtham Kumar** | **1.0** | [MWCN FIT GAP](https://team.effem.com/:w:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/3.%20Fit%20Gap/MWCN%20FIT%20GAP.docx?d=wfbf0d8d5b16844d4b6aa63deb60ea50c&csf=1&web=1&e=dn0ygb) |

## 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 China – 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.  AP02 Asia Pac Choc Central Plant  CN01 HUA Snackfood Plant  CN11 CN Logical Plant  CN15 HUA Snack Crossdock Plant  CN16 Airport City Logisitic Park  CN17 JXG Snackfood Plant  CN18 JXG Inb W/H  CN19 DHL Jiaxing  CN21 DHL Nanjing  CN22 Guangzhou Wushi Village WH  CN23 JXG Sinotrans KIND W/H  CN24 JXG Sinotrans Inb W/H  CN37 Sunssi  CN40 JXG Kind Plant  CN46 KIND China Shanghai  CN47 KIND China Tianjin  CN48 KIND China Guangzhou  CN49 KIND China Chengdu  CN61 MWCC Tianjin CDC  CN62 MWCC Jiaxing CDC  CN63 MWCC Guangzhou NDC  CN64 MWCC Shanghai NDC  CN65 MWCC Chengdu RDC-CHO  CN66 MWCC Guangzhou RDC-CHO  CN67 MWCC Shenyang RDC-CHO  CN68 MWCC Wuhan RDC-CHO  CN69 MWCC Chengdu RDC-WWY  CN70 MWCC Kunming RDC-WWY  CN71 MWCC GuangZhou RDC-WWY  CN72 MWCC Shanghai RDC-WWY  CN73 Puleng (Shanghai) Co. Ltd.  CN74 MWCC Urumuqi RDC-WWY  CN75 Puleng (Guangzhou) Co. Ltd.  CN76 MWCC Xian RDC-WWY  CN77 MWCC Zhengzhou RDC-WWY  CN79 Puleng (Beijing) Co. Ltd.  CN80 MWCC Beijing WWY RDC  CN86 Puleng (Chengdu) Co. Ltd.  CN88 Pilot Scale Plant  CN91 Multizen Industry(Nantong)Ltd  CN92 Emma Industry(Suzhou)Ltd  CN93 JiaXing WISEMAX Food Ltd.  CN94 JiaXing WISEMAX Food Ltd.  CNA6 Multizen Industry(Nantong)Ltd  CNB1 Mars Wrigley SON BASE  CNB2 Mars Wrigley SON FG  CNB3 CHN ExMan YaSheng  CNB4 CHN ExMan Yishi  CNB5 Mars Wrigley YongHe Plant  CNB6 CHN ExMan HongXin  CNB7 CHN ExMan ZiRun  CNB8 CHN ExMan TaoRen |
|  | Extension of China-MW scope materials to sales organization and distribution channel as per rules for each material type | To extend scope materials to sales organization 135, 234, 456, 601 using and distribution channel 10, 98, 99 defaulting rules in MDG. |
|  | Plant / Sales Field Maintenance as per rules for China – MW Scope Material Types | To update Plant / Sales fields after extension for scope Material Types |
|  | Status update of China – 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 China – MW Scope materials. | To perform mass update/change of certain fields of scope materials using mass change functionality of MDG. |
|  | ZPRMCreation in MDG. | To create ZPRM materials and update MOE and global/local classification for scope material types in MDG. |
|  | ZPRM General data change of MWCN scope materials in MDG | To update basic data for scope material types in MDG. |
|  | VERPCreation of Phantom materials in MDG | To create VERP POMT 1 Phantom materials and maintain material group and local language key for scope material types in MDG. |
| 9. | VERP Creation of POMT 8 non-Veritas scope materials in MDG. | To create VERP POMT 8 Non-Veritas Scope materials and update MOE and global classification for scope material types in MDG |
|  | VERP General data change of MWCN scope materials in MDG | To update basic data for scope material types in MDG. |
|  | FERT General data enrichment of MWCN scope materials in MDG | To update basic data for scope material types in MDG. |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **CIP#** | **Description** |
| 1. | 990 | No need to follow GPC taxonomy for ZPRM Material type. |
| 2. | 991 | Translation to Chinese for custom P&S fields. |

## Key Milestones

|  |  |
| --- | --- |
| **Milestone** | **End Date** |
| Requirement Finalization | 24/11/2023 |
| High Level Functional Specs | 24/11/2023 |
| Fit Gap Analysis | 24/11/2023 |
| Basic Configuration | 10/11/2023 |
| VERP Build and UT | 17/11/2023 |
| VERP Demo | 01/12/2023 |
| VERP SIT | 01/12/2023 |
| VERP Training | 01/12/2023 |
| VERP UAT | 15/12/2023 |
| ROH Build and UT | 01/12/2023 |
| ROH Demo | 08/12/2023 |
| ROH SIT | 15/12/2023 |
| ROH Training | 08/12/2023 |
| ROH UAT | 22/12/2023 |
| FERT & ZREP Build and UT | 22/12/2023 |
| FERT & ZREP Demo | 22/12/2023 |
| FERT & ZREP SIT | 05/01/2023 |
| FERT & ZREP Training | 22/12/2023 |
| FERT & ZREP UAT | 12/01/2024 |
| Mock Load | 22/12/2024 |
| Business Freeze | 26/01/2024 |
| Cutover | 26/01/2024 |
| Go-Live | 29/01/2024 |
| Hypercare | 09/02/2024 |
| Support Handover | 09/02/2024 |

## 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** |
| ROH | ROH POMT3 CHOC | CN01  CN16 CN17 CN24 CN40 CN91 | 135 10 135 99 234 99 | Please see the table below: Storage Locations and Warehouses defaulting rules | |
| ROH | ROH POMT3 GMFC | CNB1 CNB2  CNB5 | 601 99 456 99 |
| ROH | ROH POMT4 SREC CHOC | CN01  CN16 CN17 CN24 CN40 CN92 |  |
| ROH | ROH POMT4 SREC GMFC | CNB1 CNB2  CNB5 |  |
| ROH | ROH POMT5 RAW CHOC | CN01 CN15 CN16 CN17 CN18 CN23 CN24 CN40 CN91 CN92 CNA6 | 135 10  135 99 234 10 234 99 |
| ROH | ROH POMT5 RAW GMFC | CNB1 CNB2 CNB5 | 601 98 601 99 456 10 456 99 |
| ROH | ROH POMT7 NAKE CHOC | CN01 CN15 CN16 CN17 CN18 CN23 CN24 CN40 CN91 CN92 CNA6 |  |
| ROH | ROH POMT7 NAKE GMFC | CNB1 CNB2 CNB5 |  |
| ROH | ROH POMT9 Raw Semi Finished - CHOC | CN01 CN15 CN16 CN17 CN18 CN24 | 135 99 234 99 |
| ROH | ROH POMT9 Raw Semi Finished -GMFC | CNB5 | 456 99 |
| ROH | ROH POMT10 WRC GMFC | CNB1 CNB2 CNB3 CNB4 CNB5 CNB6 CNB7  CNB8 CN66 | 601 99 601 98 456 99 |
| ROH | ROH AP02 | AP02 | - |
| VERP | Phantom Packaging Material | CN01 CN11 CN15 CN16 CN17 CN18 CN19 CN21 CN22 CN23 CN24 CN37 CN40 CN46 CN47 CN48 CN49 CN61 CN62 CN65 CN66 CN67 CN68 CN73 CN79 CN91 CN92 CN93 CN94 CNA6 | - |
| VERP | Pack material procured externally | CN01 CN11 CN15 CN16 CN17 CN18 CN19 CN21 CN22 CN23 CN24 CN40 CN46 CN47 CN48 CN49 CN61 CN62 CN63 CN64 CN65 CN66 CN67 CN68 CN69 CN70 CN71 CN72 CN73 CN74 CN75 CN76 CN77 CN79 CN80 CN91 CN92 CN93 CN94 CNA6 CNB1 CNB2 CNB3 CNB4 CNB5 CNB6 CNB7 CNB8 | 135 99 234 99 456 99 601 99 |
| VERP | VERP AP02 | AP02 | - |
| FERT | FERT INT CHOC-Factory | CN01 CN17 CN40 | 135 10  135 99 234 10  234 99 |
| FERT | FERT INT CHOC - Warehouse/Sales Hub | CN15 CN16 CN18 CN19 CN23 CN24 CN37 CN46 CN47 CN48 CN49 CN61 CN62 CN63 CN64 CN65 CN66 CN67 CN68 CN70 CN71 CN72 CN74 CN76 CN77 CN80 CN88 CN91 CN92 CN93 CN94 CNA6 | 135 10  135 99 234 10  234 99 456 10 456 99 |
| FERT | FERT TDU&TDU/RSU Warehouses/Sales Hubs | CN15 CN16 CN18 CN19 CN23 CN24 CN37 CN46 CN47 CN48 CN49 CN61 CN62 CN63 CN64 CN65 CN66 CN67 CN68 CN69 CN70 CN71 CN72 CN73 CN74 CN75 CN76 CN77 CN79 CN80 CN86 CN88 CN91 CN92 CN93 CN94 CNA6 | 135 10  135 99 234 10  234 99 456 10 456 99 |
| FERT | FERT TDU&TDU/RSU CHOC-Factory | CN01 CN17 CN40 | 135 10  135 99 234 10  234 99 456 10 456 99 |
| FERT | FERT TDU&TDU/RSU GMFC -Factory | CNB2 CNB3 CNB4 CNB5 CNB6 CNB7 CNB8 | 456 10 456 99 601 99 |
| FERT | FERT- WRC | CNB2 CNB3 CNB4 | 456 10 456 99 601 99 |
| FERT | FERT INT GMFC - Factory | CNB2 CNB5 CNB8 | 456 10 456 99 601 99 |
| FERT | FERT AP02 | AP02 | - |
| ZPRM | ZPRM EXTENSION | - | 456 / 10 |  |  |
| ZREP | ZREP EXTENSION | - | 456 / 10 |  |  |

* **Creation and General Data Change**

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

* Local classification
* Global classification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Material Type** | **POMT** | **Creation** | **General Data Attribute** | **Classification** | **System** |
| ZPRM | - | MDG | All MDG owned basic data fields and Global/Local Classifications | ZZGLOBAL, ZZAPMATL | MDG |
| VERP (PALE – Phantom) | 01 | MDG | All MDG owned basic data fields | NA | MDG |
| VERP (Out of Veritas Scope) | 08 | MDG | All MDG owned basic data fields and Global Classification | ZZPACK | MDG |

* **General Data Enrichment**

Below table represents the different material types and their categories involved in the process of creation and general data enrichment in MDG.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Material Type** | **POMT** | **Creation** | **General Data Attribute** | **Values** | **System** |
| FERT (TDU & TDU/RSU - Veritas Scope) | - | Veritas | Local Classification,  Local Language Key | ZZAPMATL,  ZH | MDG |
| FERT (INT – Veritas Scope) | - | Veritas | Local Classification | ZZAPMATL,  ZH | MDG |
| FERT (WRC – Veritas Scope) | 10 | Veritas | Local Language Key | ZH | MDG |

* **Scenario IDs Applicable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **CLUSTER ID** | **Process** | **Scenario ID** | **Material type** | **Scenario Description** |
|  | MWCN | Extension | A0HI | ZPRM | ZPRM EXTENSION |
|  | MWCN | Field Maintenance | A0HJ | ZPRM | ZPRM FIELD MAINTENANCE |
|  | MWCN | Extension | A0IO | VERP | VERP POMT 1 PHANTOM PACKAGING MATERIAL |
|  | MWCN | Extension | A0IP | VERP | VERP POMT 8 PACK MATERIAL PROCURED EXTERNALLY |
|  | MWCN | Extension | A0IQ | VERP | VERP AP02 EXTENSION |
|  | MWCN | Field Maintenance | A0IR | VERP | VERP FIELD MAINTENANCE - MD |
|  | MWCN | Field Maintenance | A0IS | VERP | VERP FIELD MAINTENANCE - SUPPLY |
|  | MWCN | Field Maintenance | A0IT | VERP | VERP FIELD MAINTENANCE - FINANCE |
| 9. | MWCN | Field Maintenance | A0KY | VERP | VERP AP02 FIELD MAINTENANCE - MD |
| 10. | MWCN | Extension | A0J1 | ROH | ROH POMT3 SFPR CHOC |
| 11. | MWCN | Extension | A0J2 | ROH | ROH POMT3 SFPR GMFC |
| 12. | MWCN | Extension | A0J3 | ROH | ROH POMT4 SREC CHOC Phantom |
| 13. | MWCN | Extension | A0J4 | ROH | ROH POMT4 SREC GMFC Phantom |
| 14. | MWCN | Extension | A0J5 | ROH | ROH POMT5 RAW CHOC |
| 15. | MWCN | Extension | A0J6 | ROH | ROH POMT5 RAW GMFC |
| 16. | MWCN | Extension | A0J7 | ROH | ROH POMT7 NAKE CHOC Phantom |
| 17. | MWCN | Extension | A0J8 | ROH | ROH POMT7 NAKE GMFC Phantom |
| 18. | MWCN | Extension | A0J9 | ROH | ROH POMT9 Raw Semi Finished CHOC |
| 19. | MWCN | Extension | A0JA | ROH | ROH POMT9 Raw Semi Finished GMFC |
| 20. | MWCN | Extension | A0JB | ROH | ROH POMT10 WRC GMFC |
| 21. | MWCN | Extension | A0JC | ROH | ROH AP02 Extension |
| 22. | MWCN | Field Maintenance | A0JD | ROH | ROH FIELD MAINTENANCE - MD |
| 23. | MWCN | Field Maintenance | A0JE | ROH | ROH FIELD MAINTENANCE - SUPPLY |
| 24. | MWCN | Field Maintenance | A0JF | ROH | ROH FIELD MAINTENANCE - FINANCE |
| 25. | MWCN | Field Maintenance | A0KZ | ROH | ROH AP02 FIELD MAINTENANCE - MD |
| 26. | MWCN | Extension | A0JI | ZREP | ZREP EXTENSION |
| 27. | MWCN | Field Maintenance | A0JJ | ZREP | ZREP FIELD MAINTENANCE |
| 28. | MWCN | Extension | A0JK | FERT | FERT INT CHOC-Factory |
| 29. | MWCN | Extension | A0JL | FERT | FERT INT CHOC WAREHOUSE/SALES HUB |
| 30. | MWCN | Extension | A0JM | FERT | FERT INT GMFC - Factory |
| 31. | MWCN | Extension | A0JN | FERT | FERT TDU&TDU/RSU CHOC-Factory |
| 32. | MWCN | Extension | A0JO | FERT | FERT TDU&TDU/RSU Warehouses/Sales Hubs |
| 33. | MWCN | Extension | A0JP | FERT | FERT TDU&TDU/RSU GMFC -Factory |
| 34. | MWCN | Extension | A0JQ | FERT | FERT- WRC |
| 35. | MWCN | Extension | A0JR | FERT | FERT AP02 EXTENSION |
| 36. | MWCN | Field Maintenance | A0JS | FERT | FERT FIELD MAINTENANCE – MD |
| 37. | MWCN | Field Maintenance | A0JT | FERT | FERT FIELD MAINTENANCE - SUPPLY |
| 38. | MWCN | Field Maintenance | A0JU | FERT | FERT FIELD MAINTENANCE – FINANCE |
| 39. | MWCN | Field Maintenance | A0L0 | FERT | FERT AP02 FIELD MAINTENANCE - MD |

* **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** |
| ZPRM | - | 456 10 | 0 | CN | MWST | Derivation |
| - | 456 10 | 0 | CN | VST | Derivation |
| VERP | 8 | 135 99  234 99  456 99  601 99 | 1 | CN | MWST | Derivation |
| 8 | 135 99  234 99  456 99  601 99 | 0 | CN | VST | Derivation |
| ROH | 3 | 135 10  135 99  234 99  601 99  456 99 | 1 | CN | MWST | Derivation |
| 3 | 135 10  135 99  234 99  601 99  456 99 | 0 | CN | VST | Derivation |
| 5 | 135 10  135 99  234 10  234 99  601 98  601 99  456 10  456 99 | 1 | CN | MWST | Derivation |
| 5 | 135 10  135 99  234 10  234 99  601 98  601 99  456 10  456 99 | 0 | CN | VST | Derivation |
| 9 | 456 99 | 1 | CN | MWST | Derivation |
| 9 | 456 99 | 0 | CN | VST | Derivation |
| 10 | 601 98  601 99  456 99 | 1 | CN | MWST | Derivation |
| 10 | 601 98  601 99  456 99 | 0 | CN | VST | Derivation |
| ZREP | - | 456 10 | 1 | CN | MWST | Derivation |
| - | 456 10 | 1 | CN | VST | Derivation |
| FERT | - | 135 10  135 99  234 10  234 99  456 10  456 99  601 99 | 1 | CN | MWST | Derivation |
| - | 135 10  135 99  234 10  234 99  456 10  456 99  601 99 | 0 | CN | VST | 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 | CN01 | HUA Snackfood Plant | 0001 0009 0020 0021 0022 0023 0031 0032 0033 0034 0035 0036 0037 0038 0039 0040 0051 0052 0053 0054 0055 0056 0057 0058 0060 2001 | NA | Derivation |
| VERP | CN11 | CN Logical Plant | 0003 0004 0007 0008 0009 0010 0017 M003 M004 M007 M008 M009 M010 M017 | NA | Derivation |
| VERP | CN15 | HUA Snack Crossdock Plant | 0001 0003 0007 0009 0020 | NA | Derivation |
| VERP | CN16 | Airport City Logisitic Park | 0001 0003 0009 0020 0080 0090 0300 | NA | Derivation |
| VERP | CN17 | JXG Snackfood Plant | 0001 0002 0003 0009 0010 0011 0012 0013 0014 0015 0016 0017 0020 0021 0022 0023 0024 0025 0026 0027 1003 1010 1011 1012 1013 1014 1015 1016 1017 1021 1022 1023 1027 1031 1032 1033 1034 1035 1036 2001 | NA | Derivation |
| VERP | CN18 | JXG Inb W/H | 0001 0009 0020 | NA | Derivation |
| VERP | CN19 | DHL Jiaxing | 0001 0003 0007 0009 | NA | Derivation |
| VERP | CN21 | DHL Nanjing | 0001 0003 0007 0009 | NA | Derivation |
| VERP | CN22 | Guangzhou Wushi Village WH | 0001 0002 0003 0007 0009 | NA | Derivation |
| VERP | CN23 | JXG Sinotrans KIND W/H | 0001 0009 0020 0080 0090 | NA | Derivation |
| VERP | CN24 | JXG Sinotrans Inb W/H | 0001 0009 0020 0080 0090 | NA | Derivation |
| VERP | CN37 | Sunssi | 0001 0009 0020 0030 | NA | Derivation |
| VERP | CN40 | JXG Kind Plant | 0001 0002 0003 0009 0010 0011 0012 0013 0020 0021 0022 0023 0024 1021 1022 2001 | NA | Derivation |
| VERP | CN46 | KIND China Shanghai | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN47 | KIND China Tianjin | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN48 | KIND China Guangzhou | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN61 | MWCC Tianjin CDC | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN62 | MWCC Jiaxing CDC | 0001 0003 0004 0007 0009 0011 0012 0013 0099 | NA | Derivation |
| VERP | CN63 | MWCC Guangzhou NDC | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN64 | MWCC Shanghai NDC | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN65 | MWCC Chengdu RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN66 | MWCC Guangzhou RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN67 | MWCC Shenyang RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN68 | MWCC Wuhan RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN69 | MWCC Chengdu RDC-WWY | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN70 | MWCC Kunming RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN71 | MWCC GuangZhou RDC-WWY | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN72 | MWCC Shanghai RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN73 | Puleng (Shanghai) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN74 | MWCC Urumuqi RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN75 | Puleng (Guangzhou) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN76 | MWCC Xian RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN77 | MWCC Zhengzhou RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| VERP | CN79 | Puleng (Beijing) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN80 | MWCC Beijing WWY RDC | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| VERP | CN91 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| VERP | CN92 | Emma Industry(Suzhou)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| VERP | CN93 | JiaXing WISEMAX Food Ltd. | 0001 0009 0020 | NA | Derivation |
| VERP | CN94 | JiaXing WISEMAX Food Ltd. | 0001 0009 0020 | NA | Derivation |
| VERP | CNA6 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| VERP | CNB1 | Mars Wrigley SON BASE | 0002 0003 0005 0006 0017 0020 0023 0049 0050 0051 0053 0088 0091 0092 0097 0098 WB01 WB02 | 113 | Derivation |
| VERP | CNB2 | Mars Wrigley SON FG | 0001 0002 0003 0005 0006 0010 0018 0019 0020 0021 0022 0023 0024 0025 0026 0028 0029 0030 0037 0047 0048 0049 0057 0058 0088 0091 0092 0097 0098 WB01 WB02 WB03 WB04 | 113 | Derivation |
| VERP | CNB3 | CHN ExMan YaSheng | 0001 0009 0020 | NA | Derivation |
| VERP | CNB4 | CHN ExMan Yishi | 0001 0009 0020 | NA | Derivation |
| VERP | CNB5 | Mars Wrigley YongHe Plant | 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0033 0035 0036 0050 0051 0052 0053 0054 0055 0056 0057 0058 0060 0061 0070 0088 0090 0093 T001 T002 T003 T004 T005 T006 T011 T012 T016 T021 T024 T026 W001 W002 W003 W004 W005 W006 W007 W009 W011 W012 W014 W016 W021 W023 W024 W026 W027 W028 W029 W030 W031 W032 W033 W035 W036 | 128 | Derivation |
| VERP | CNB6 | CHN ExMan HongXin | 0001 0009 0020 | NA | Derivation |
| VERP | CNB7 | CHN ExMan ZiRun | 0001 0009 0020 | NA | Derivation |
| VERP | CNB8 | CHN ExMan TaoRen | 0001 0009 0020 | NA | Derivation |
| ROH | CN01 | HUA Snackfood Plant | 0001 0009 0020 0021 0022 0023 0031 0032 0033 0034 0035 0036 0037 0038 0039 0040 0051 0052 0053 0054 0055 0056 0057 0058 0060 2001 | NA | Derivation |
| ROH | CN11 | CN Logical Plant | 0003 0004 0007 0008 0009 0010 0017 M003 M004 M007 M008 M009 M010 M017 | NA | Derivation |
| ROH | CN15 | HUA Snack Crossdock Plant | 0001 0003 0007 0009 0020 | NA | Derivation |
| ROH | CN16 | Airport City Logisitic Park | 0001 0003 0009 0020 0080 0090 0300 | NA | Derivation |
| ROH | CN17 | JXG Snackfood Plant |  | NA |  |
| ROH | CN18 | JXG Inb W/H | 0001 0009 0020 | NA | Derivation |
| ROH | CN23 | JXG Sinotrans KIND W/H | 0001 0009 0020 0080 0090 | NA | Derivation |
| ROH | CN24 | JXG Sinotrans Inb W/H | 0001 0009 0020 0080 0090 | NA | Derivation |
| ROH | CN40 | JXG Kind Plant | 0001 0002 0003 0009 0010 0011 0012 0013 0020 0021 | NA | Derivation |
| ROH | CN66 | MWCC Guangzhou RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| ROH | CN91 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| ROH | CN92 | Emma Industry(Suzhou)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| ROH | CNA6 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| ROH | CNB1 | Mars Wrigley SON BASE | 0002 0003 0005 0006 0017 0020 0023 0049 0050 0051 0053 0088 0091 0092 0097 0098 WB01 WB02 | 113 | Derivation |
| ROH | CNB2 | Mars Wrigley SON FG | 0001 0002 0003 0005 0006 0010 0018 0019 0020 0021 0022 0023 0024 0025 0026 0028 0029 0030 0037 0047 0048 0049 0057 0058 0088 0091 0092 0097 0098 WB01 WB02 WB03 WB04 | 113 | Derivation |
| ROH | CNB3 | CHN ExMan YaSheng | 0001 0009 0020 | NA |  |
| ROH | CNB4 | CHN ExMan Yishi | 0001 0009 0020 | NA | Derivation |
| ROH | CNB5 | Mars Wrigley YongHe Plant | 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0033 0035 0036 0050 0051 0052 0053 0054 0055 0056 0057 0058 0060 0061 0070 0088 0090 0093 T001 T002 T003 T004 T005 T006 T011 T012 T016 T021 T024 T026 W001 W002 W003 W004 W005 W006 W007 W009 W011 W012 W014 W016 W021 W023 W024 W026 W027 W028 W029 W030 W031 W032 W033 W035 W036 | 128 | Derivation |
| ROH | CNB6 | CHN ExMan HongXin | 0001 0009 0020 | NA | Derivation |
| ROH | CNB7 | CHN ExMan ZiRun | 0001 0009 0020 | NA | Derivation |
| ROH | CNB8 | CHN ExMan TaoRen | 0001 0009 0020 | NA | Derivation |
| FERT | CN01 | HUA Snackfood Plant | 0001 0009 0020 0021 0022 0023 0031 0032 0033 0034 0035 0036 0037 0038 0039 0040 0051 0052 0053 0054 0055 0056 0057 0058 0060 2001 | NA | Derivation |
| FERT | CN15 | HUA Snack Crossdock Plant | 0001 0003 0007 0009 0020 | NA | Derivation |
| FERT | CN16 | Airport City Logisitic Park | 0001 0003 0009 0020 0080 0090 0300 | NA | Derivation |
| FERT | CN17 | JXG Snackfood Plant | 0001 0002 0003 0009 0010 0011 0012 0013 0014 0015 0016 0017 0020 0021 0022 0023 0024 0025 0026 0027 1003 1010 1011 1012 1013 1014 1015 1016 1017 1021 1022 1023 1027 1031 1032 1033 1034 1035 1036 2001 | NA | Derivation |
| FERT | CN18 | JXG Inb W/H | 0001 0009 0020 | NA | Derivation |
| FERT | CN19 | DHL Jiaxing | 0001 0003 0007 0009 | NA | Derivation |
| FERT | CN23 | DHL Nanjing | 0001 0009 0020 0080 0090 | NA | Derivation |
| FERT | CN24 | Guangzhou Wushi Village WH | 0001 0009 0020 0080 0090 | NA | Derivation |
| FERT | CN37 | JXG Sinotrans KIND W/H | 0001 0009 0020 0030 | NA | Derivation |
| FERT | CN40 | JXG Sinotrans Inb W/H | 0001 0002 0003 0009 0010 0011 0012 0013 0020 0021 0022 0023 0024 1021 1022 2001 | NA | Derivation |
| FERT | CN46 | KIND China Shanghai | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN47 | KIND China Tianjin | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN48 | KIND China Guangzhou | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN49 |  | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN61 | MWCC Tianjin CDC | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN62 | MWCC Jiaxing CDC | 0001 0003 0004 0007 0009 0011 0012 0013 0099 | NA | Derivation |
| FERT | CN63 | MWCC Guangzhou NDC | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN64 | MWCC Shanghai NDC | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN65 | MWCC Chengdu RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN66 | MWCC Guangzhou RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN67 | MWCC Shenyang RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN68 | MWCC Wuhan RDC-CHO | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN69 | MWCC Chengdu RDC-WWY | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN70 | MWCC Kunming RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN71 | MWCC GuangZhou RDC-WWY | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN72 | MWCC Shanghai RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN73 | Puleng (Shanghai) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN74 | MWCC Urumuqi RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN75 | Puleng (Guangzhou) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN76 | MWCC Xian RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN77 | MWCC Zhengzhou RDC-WWY | 0001 0003 0004 0007 0009 0011 0012 0013 | NA | Derivation |
| FERT | CN79 | Puleng (Beijing) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN80 | MWCC Beijing WWY RDC | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN86 | Puleng (Chengdu) Co. Ltd. | 0001 0003 0004 0007 0009 0011 | NA | Derivation |
| FERT | CN88 | Pilot Scale Plant | 0001 0003 0007 0009 | NA | Derivation |
| FERT | CN91 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| FERT | CN92 | Emma Industry(Suzhou)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| FERT | CN93 | JiaXing WISEMAX Food Ltd. | 0001 0009 0020 | NA | Derivation |
| FERT | CN94 | JiaXing WISEMAX Food Ltd. | 0001 0009 0020 | NA | Derivation |
| FERT | CNA6 | Multizen Industry(Nantong)Ltd | 0001 0009 0020 0030 | NA | Derivation |
| FERT | CNB2 | Mars Wrigley SON FG | 0001 0002 0003 0005 0006 0010 0018 0019 0020 0021 0022 0023 0024 0025 0026 0028 0029 0030 0037 0047 0048 0049 0057 0058 0088 0091 0092 0097 0098 WB01 WB02 WB03 WB04 | 113 | Derivation |
| FERT | CNB3 | CHN ExMan YaSheng | 0001 0009 0020 | NA | Derivation |
| FERT | CNB4 | CHN ExMan Yishi | 0001 0009 0020 | NA | Derivation |
| FERT | CNB5 | Mars Wrigley YongHe Plant | 0001 0002 0003 0004 0005 0006 0007 0008 0009 0010 0011 0012 0013 0014 0015 0016 0017 0021 0022 0023 0024 0025 0026 0027 0028 0029 0030 0031 0032 0033 0035 0036 0050 0051 0052 0053 0054 0055 0056 0057 0058 0060 0061 0070 0088 0090 0093 T001 T002 T003 T004 T005 T006 T011 T012 T016 T021 T024 T026 W001 W002 W003 W004 W005 W006 W007 W009 W011 W012 W014 W016 W021 W023 W024 W026 W027 W028 W029 W030 W031 W032 W033 W035 W036 | 128 | Derivation |
| FERT | CNB6 | CHN ExMan HongXin | 0001 0009 0020 | NA | Derivation |
| FERT | CNB7 | CHN ExMan ZiRun | 0001 0009 0020 | NA | Derivation |
| FERT | CNB8 | CHN ExMan TaoRen | 0001 0009 0020 | NA | 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 Change

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Material Type** | **Process** | **Requester/Approver** | **Role Description** | **Additional Information** |
| ZPRM | Creation | Requester | Master Data | 1.X-Plant Material Status – 10  2.MOE - SEL 0168  3.local language key – ZH & EN  4.Global Classification - ZZGLOBAL  5.Local Classification - ZZAPMATL |
| ZPRM | General Data Change | Requester | Master Data | All MDG owned fields |
| ZPRM | Sales Extension | Requester | Master Data |  |
| ZPRM | Sales Extension | Approver | N/A |  |
| ZPRM | Field Maintenance | Requester | Master Data | All MDG owned **Sales Data** fields in scope. |
| ZPRM | Field Maintenance | Approver | N/A |  |
| ZPRM | Fiori Mass change | Requester | Master Data |  |
| VERP (MDG materials – POMT 1) | Creation | Requester | Master Data | 1. Material Group – PKPHANTOM  2. X-Plant Material Status – 10  3. Update local language key - ZH |
| VERP (POMT 1) | General Data Change | Requester | Master Data | All MDG owned fields |
| VERP (POMT 1) | Plant extension | Requester | Master Data |  |
| VERP (POMT 1) | Plant Extension | Approver | N/A |  |
| VERP (Veritas Scope – POMT 8) | Plant extension | Requester | Master Data |  |
| VERP (Veritas Scope – POMT 8) | Plant Extension | Approver | N/A |  |
| VERP (Veritas Scope – POMT 8) | Sales extension | Requester | Master Data |  |
| VERP (Veritas Scope – POMT 8) | Sales extension | Approver | N/A |  |
| VERP (Out Of Veritas Scope – POMT 8) | Creation | Requester | Master Data | Enter MOE **(BUY – 0168/0383/0269/0513/0516)**  Enter unit of measure  Enter local language key – ZH & EN  Enter Shelf life  Enter Classification (ZZPACK) |
| VERP (Out Of Veritas Scope – POMT 8) | General data change | Requester | Master Data | All MDG owned fields |
| VERP (Out Of Veritas Scope – POMT 8) | Plant extension | Requester | Master Data |  |
| VERP (Out Of Veritas Scope – POMT 8) | Plant extension | Approver | N/A |  |
| VERP (Out Of Veritas Scope – POMT 8) | Sales extension | Requester | Master Data |  |
| VERP (Out Of Veritas Scope – POMT 8) | Sales extension | Approver | N/A |  |
| VERP | Field Maintenance | Requester | Master Data | * All MDG owned Plant/Sales data fields. |
| VERP | Field Maintenance | Approver | N/A |  |
| VERP | Field Maintenance | Requester | Supply Group | Can modify MDG Owned MRP & WM fields only. |
| VERP | Field Maintenance | Approver | N/A |  |
| VERP | Field Maintenance | Requester | Finance Team | Modify MDG owned Status- related and Costingfields |
| VERP | Field Maintenance | Approver | N/A |  |
| VERP | Fiori Mass change | Requester | Master Data |  |
| VERP | Fiori Mass change | Requester | Supply Group |  |
| VERP | Fiori Mass change | Requester | Finance |  |
| ROH  (Veritas Materials – POMT-5) | Plant Extension | Requester | Master Data |  |
| ROH  (Veritas Materials – POMT-5) | Plant Extension | Approver | N/A |  |
| ROH  (Veritas Materials – POMT-5) | Sales Extension | Requester | Master Data |  |
| ROH  (Veritas Materials – POMT-5) | Sales Extension | Approver | N/A |  |
| ROH (POMT 3,9) | Plant Extension | Requester | Master Data |  |
| ROH (POMT 3,9) | Plant Extension | Approver | N/A |  |
| ROH  (POMT 3,9) | Sales Extension | Requester | Master Data |  |
| ROH  (POMT 3,9) | Sales Extension | Approver | N/A |  |
| ROH (  POMT 4,7) | Plant Extension | Requester | Master Data |  |
| POMT 4,7) | Plant Extension | Approver | N/A |  |
| ROH (POMT 10) | Plant Extension | Requester | Master Data |  |
| ROH (POMT 10) | Plant Extension | Approver | N/A |  |
| ROH (POMT 10) | Sales Extension | Requester | Master Data |  |
| ROH (POMT 10) | Sales Extension | Approver | N/A |  |
| ROH | Field Maintenance | Requester | Master Data | 1.All MDG owned Plant/Sales data 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 | Can Modify MDG MRP & WM fields only. |
| ROH | Field Maintenance | Approver | N/A |  |
| ROH | Field Maintenance | Requester | Finance Team | 1. Can update Plant Specific Material Statusfrom 03 to 20, after costing run.  2. Can modify MDG Costingfields in scope. |
| ROH | Field Maintenance | Approver | N/A |  |
| ROH | Fiori Mass change | Requester | Master Data |  |
| ROH | Fiori Mass change | Requester | Supply Group |  |
| ROH | Fiori Mass change | Requester | Finance |  |
| FERT (TDU & TDU/RSU - Veritas Scope) | General Data Enrichment | Requester | Master Data | 1. Enter local language key – ZH  2. Enter Local product Classification ZZAPMATL  CN Forecast Group  CN Regular Pack Size  CN Brand Transfer Status  CN EDT |
| FERT (TDU & TDU/RSU - Veritas Scope) | Plant extension | Requester | Master Data |  |
| FERT (TDU & TDU/RSU - Veritas Scope) | Plant Extension | Approver | N/A |  |
| FERT (TDU & TDU/RSU - Veritas Scope) | Sales extension | Requester | Master Data |  |
| FERT (TDU & TDU/RSU - Veritas Scope) | Sales Extension | Approver | N/A |  |
| FERT (TDU & TDU/RSU - Out of Veritas Scope) | Plant extension | Requester | Master Data |  |
| FERT (TDU & TDU/RSU - Out of Veritas Scope) | Plant Extension | Approver | N/A |  |
| FERT (TDU & TDU/RSU - Out of Veritas Scope) | Sales extension | Requester | Master Data |  |
| FERT (TDU & TDU/RSU - Out of Veritas Scope) | Sales Extension | Approver | N/A |  |
| FERT INT Veritas Scope | General Data Enrichment | Requester | Master Data | 1. Enter local language key – ZH  2. Enter Local product Classification ZZAPMATL  CN Forecast Group  CN Regular Pack Size  CN Brand Transfer Status  CN EDT |
| FERT (INT - Veritas Scope) | Plant extension | Requester | Master Data |  |
| FERT (INT - Veritas Scope) | Plant Extension | Approver | N/A |  |
| FERT (INT - Veritas Scope) | Sales extension | Requester | Master Data |  |
| FERT (INT - Veritas Scope) | Sales Extension | Approver | N/A |  |
| FERT (INT - Out of Veritas Scope) | Plant extension | Requester | Master Data |  |
| FERT (INT - Out of Veritas Scope) | Plant Extension | Approver | N/A |  |
| FERT (INT - Out of Veritas Scope) | Sales extension | Requester | Master Data |  |
| FERT (INT - Out of Veritas Scope) | Sales Extension | Approver | N/A |  |
| FERT (WRC - Veritas Scope\_ | General Data Enrichment | Requester | Master Data | Enter local language key – ZH |
| FERT (WRC - Veritas Scope) | Plant extension | Requester | Master Data |  |
| FERT (WRC - Veritas Scope) | Plant Extension | Approver | N/A |  |
| FERT (WRC - Veritas Scope) | Sales extension | Requester | Master Data |  |
| FERT (WRC - Veritas Scope) | Sales Extension | Approver | N/A |  |
| FERT | Field Maintenance | Requester | Master Data | All MDG owned Plant/Sales data fields. |
|  | Field Maintenance | Approver | N/A |  |
| FERT | Field Maintenance | Requester | Supply Group | Can Modify MDG MRP & WM fields only. |
|  | Field Maintenance | Approver | N/A |  |
| FERT | Field Maintenance | Requester | Finance Team | 1. Can update Plant Specific Material Statusfrom 03 to 20, after costing run.  2. Can modify MDG Costingfields in scope. |
| FERT | Field Maintenance | Approver | N/A |  |
| FERT | Fiori Mass change | Requester | Master Data |  |
| FERT | Fiori Mass change | Requester | Supply Group |  |
| FERT | Fiori Mass change | Requester | Finance |  |
| ZREP | Sales extension | Requester | Master Data |  |
| ZREP | Sales Extension | Approver | N/A |  |
| ZREP | Field Maintenance | Requester | Master Data | All MDG owned Sales data fields. |
| ZREP | Field Maintenance | Approver | N/A |  |
| ZREP | Fiori Mass change | Requester | Master Data |  |

The list of fields to be used for Mass Change process in MDG can be found [***here***](https://team.effem.com/:x:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/2.%20Requirement%20Gathering%20and%20Design/Data%20profiling/Mass%20Change%20fields%20for%20different%20user%20groups-%2020231120.xlsx?d=wdb9d2fcffcdb4fbda390f479d2d85db0&csf=1&web=1&e=ZeFkHK). New fields 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 China MW Deployment scope plants
* No job available in APB.

|  |  |
| --- | --- |
| **Job Name (APP)** | **Variant** |
| Z2\_GRD\_MWCC\_STORAGEVIEW | MWCC\_CN\_ROH,  MWCC\_CN\_FERT,  MWCC\_CN\_VERP |
| Z2\_GRD\_CN\_STORAGEVIEW | CN01 FERT-VERP,  CN\_SLOC FERT,  CN\_SLOC ROH,  CN\_SLOC VERP,  CNB1-4 FERT,  CNB1-4 VERP,  CNB1-4 ROH,  CNB5-8 FERT,  CNB5-8 VERP,  CNB5-8 ROH |

## 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 | Around 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 | Every 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. Fiori Mass change (Processing)
3. **General user access roles –** These are common roles which are provided to all users in MDG which allow them to
   1. Access MDG Fiori 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.
5. **Material Creation & General Data Enrichment –** 
   1. Material Creation- Provides access to create ZPRM and VERP materials in MDG.
   2. 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/:x:/r/sites/MDG-MPNEuropeActivationMSTeams/Shared%20Documents/MDG-M%20MW%20China/Security/Authorization%20Role%20Matrix-%20MDG-M%20MWCN%20-%20Role%20Build%20Security%20(1)%20(3).xlsx?d=w669410486ac346ff89ccc9d12644d355&csf=1&web=1&e=i9KUcj)

# TESTING REQUIREMENTS

## Key Business Test Conditions

|  |  |  |
| --- | --- | --- |
| **ID** | **Condition** | **Expected Results** |
|  | Material Creation | Possible to create materials in MDG as per business process |
|  | Global & 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 135, 456, 234, 601 and distribution channel 10,99,98. |
|  | Mass update of fields | Possible to perform mass update of the fields - Plant-specific material status and Valid from Date– for scope material types |
|  | Manual entry of certain fields in ATLAS | Finance to do the costing run, update ATLAS owned fields in ATLAS. (Typically, we focus on data validation within ATLAS to ensure successful interfacing of MDG data changes during UAT). |
|  | 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-------------------