

Date: 07-09-2023

Technical Requirements Specification

**(DAO\_Create WI)**

**(NEWGEN CONFIDENTIAL)**

**Newgen Software Technologies Ltd.**

**New Delhi, INDIA**

|  |  |
| --- | --- |
| **Review Summary** | |
| **ITEM SUBMITTED BY : Hritik Kounsal** | |
| **REVIEW TEAM** | |
| **NAME** | **SIGNATURE** |
| *1.* |  |
| *2.* |  |
| *3.* |  |
| **REVIEW COMMENTS:** | |
| ACCEPTED :  NOT ACCEPTED :  REVIEW NOT COMPLETED :  *(Explanation)* | |

**Revision History**

|  |  |  |  |  |  |
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| **Release**  **Date**  *DD-MM-YY* | **Revision Number**  *x.y* | **Changes Made (Mention Sections Affected)** | **Author** | **Reviewed**  **By**  *[Name and org Role]* | **Approved By**  *[Name and org Role]* |
| 02-3-2022 | 1.0 | ***First Draft*** | Hritik Kounsal |  |  |
| 07-03-2022 | 1.1 | GR Attribute Changes | Hritik Kounsal |  |  |
| 07-03-2022 | 1.2 | GR Attribute changes | Hritik Kounsal |  |  |
| 08-03-2022 | 1.3 | Field details modified | Hritik Kounsal |  |  |
| 08-04-2022 | 1.5 | KYC details modified, FATCA grid | Hritik Kounsal |  |  |
| 14-04-2022 | 1.6 | Company Details grid and Agent code tags | Hritik Kounsal |  |  |
| 14-06-22 | 1.7 | ETB\_NTB, Background\_Info changes | Hritik Kounsal |  |  |
| 06-07-22 | 1.8 | Background info: Inheritance | Hritik Kounsal |  |  |
| 26-07-22 | 1.9 | City\_of\_Birth, is\_prime\_req, is\_cbs\_req | Hritik Kounsal |  |  |
| 22-08-2022 | 2.0 | Network\_ID | Hritik Kounsal |  |  |
| 30-11-2022 | 2.1 | Name\_modify  Middle\_Name  ETB\_document\_flag  CIF\_verification\_flag  Employer\_name\_as\_per\_visa | Hritik Kounsal |  |  |
| 24-01-2023 | 2.2 | Duplicate WI error code | Hritik Kounsal |  |  |
| 02-02-2023 | 2.3 | AECB\_link,bureau\_ref\_no,firco\_ref\_no,customer\_input\_name,Customer\_input\_salary | Hritik Kounsal |  |  |
| 02-03-2023 | 2.4 | Income from AECB, Final Monthly income | Hritik Kounsal |  |  |
| 11-04-2023 | 2.5 | Dedupe changes | Hritik Kounsal |  |  |
| 11-05-2023 | 2.6 | Source\_unit | Hritik Kounsal |  |  |
| 09-06-2023 | 2.7 | Product\_Category | Hritik Kounsal |  |  |
| 26-06-2023 | 2.8 | Account\_creation\_date | Hritik Kounsal |  |  |
| 07-09-2023 | 2.9 | MOI\_employer,AECB\_employer,finacle\_employer,NSTP\_employer,other\_employerName,employer\_source | Vinayak Singhal |  |  |

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# Introduction

## Purpose

RAK bank has partnered with Newgen to automate various processes throughout the Bank. Omniapp, Newgen's platform, will be used for automation of the processes. The project will be a Time & Material basis.

The key objectives of the Process are:

* Single user Interface
* Workflow automation
* Process tracking
* Reporting
* Accountability
* Overall cost-effective service
* Appropriate controls
* Process performance evaluation and improvement

The intent of this document is to provide the Technical specification for the Omniapp application’s Interface.

## Document Conventions

* The document has used bold words to highlight the user requirements.
* It also uses capital lettered words to highlight key words.
* The document has tried to maintain a priority of requirements. The priority has been determined by the judgment of the author based on author’s discussions with RAK Bank and is subject to change.
* The document has used short forms for some commonly abbreviated terms. Such abbreviated terms are expanded at the first occurrence of usage.
* Points requiring RAK Bank inputs are highlighted in yellow.

## Intended Audience and Reading Suggestions

The document is intended to be a guide for RAK Bank Technology team and Newgen Development team. The goal of this document is to identify the technical specifications for interfacing between Omniapp and MW for Falcon integration. This document will form the basis of interface development.

## References

NA

# Value Pair Mapping from MW

DOB Create WorkItem web service hosted over MQ will be called from MW using below name value pair mappings. Sample input and output xml is attached.

 

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name / Attribute Name in Input XML** | **Interface field description** | **Data Type** | **Mandatory(M)/ Conditional(C) /Optional(O)** |
| Process Name | Process Name | String(20) | M |
| SubProcess\_Name | Sub Process Name | String(20) | O |
| Initiate\_Also | Initiate | String(10) | M |
| Documents | Documents | String(10) | O |
| Prospect\_id | Prospect id | String(20) | M |
| Sol\_Id | Sol Id | String(10) | M |
| Channel | Channel | String(20) | M |
| Title | Title | String(15) | M |
| Given\_Name | Given\_Name | String(30) | M |
| Surname | Surname | String(30) | M |
| Passport\_Number | Passport Number | String(100) | M |
| Emirates\_ID | Emirates ID | String(100) | M |
| Gender | Gender | String(15) | M |
| Marital\_Status | Marital Status | String(20) | M |
| Mothers\_Maiden\_Name | Mother’s Maiden Name | String(200) | M |
| Country\_of\_residence | Country of residence | String(150) | M |
| DOB | Date of Birth | String(10) | M |
| Country\_Of\_Birth | Country Of Birth | String(150) | M |
| City\_of\_Birth | Town/City of Birth | String(150) | M |
| Passport\_Expiry\_Date | Passport Expiry Date | String(10) | M |
| Pasport\_Issuing\_Country | Pasport Issuing Country | String(150) | O |
| Visa\_File\_Number | Visa File Number | String(100) | O |
| Nationality | Nationality | String(150) | M |
| Secondary\_Nationality | Secondary Nationality | String(150) | O |
| New\_Passport\_Number | New Passport Number | String(100) | O |
| Driving\_License | Driving License | String(100) | O |
| Industry\_Segment | Industry Segment | String(100) | O |
| Industry\_Subsegment | Industry Subsegment | String(100) | O |
| PEP | PEP | String(20) | M |
| Credit\_grade | Credit Grading | String(10) | M |
| Product\_Name | Product Name | String(100) | M |
| EmiratesID\_Expiry\_Date | Emirates ID Expiry Date | String(10) | M |
| Preferred\_Mail\_Address | Preferred Mail Address | String(20) | M |
| Company\_Employer name | Company/Employer name | String(200) | CM-for salaried |
| Employer\_Code | Employer Code | String(50) | CM-for salaried |
| Occupation | Occupation | String(50) | CM-for salaried |
| Designation | Designation | String(255) | CM-for salaried |
| Total\_years\_of\_employment\_Business | Total years of employment / Business | String(10) | O |
| PO\_Box\_emp | P.O Box | String(10) | CM-for salaried |
| employer\_type | Employment Type | String(150) | M |
| EmirateCity\_emp | Emirate/City | String(100) | O |
| Country\_emp | Country | String(150) | O |
| Monthly\_Expected\_Turnover\_Cash | Monthly Expected Turnover - Cash | String(30) | M |
| Monthly\_Expected\_Turnover\_Non\_Cash | Monthly Expected Turnover - Non Cash | String(30) | M |
| Gross\_Monthly\_Salary\_income | Gross Monthly Salary / income | String(30) | M |
| Mobile\_1 | Mobile 1 | String(15) | M |
| Email ID\_1 | Email ID 1 | String(50) | M |
| US\_Citizenship\_Residency | U.S Citizenship / Residency | String(10) | M |
| W8Form | W8form | String(10) | CM |
| W9Form | W9form | String(10) | CM |
| STP\_NonSTP | STP flag | String (10) | M |
| Purpose\_of\_Account | Purpose of Account | String(100) | M |
| CIF | CIF | String (20) | CM (For STP Y) |
| Account\_Number | Account Number | String(30) | CM (For STP Y) |
| Del\_CB\_DC | delivery mode for CB/DC | String(20) | M |
| CommunicationMode | Communication Mode | String(20) | M |
| IBAN | IBAN Number | String(34) | O |
| Product\_Type | Product Type | String(50) | M |
| Product\_Currency | Product Currency | String(50) | O |
| Duplicate\_CIF\_Found | Duplicate CIF Found | String(20) | M |
| Blacklist\_Found | Blacklist Found | String(20) | M |
| Risk\_Score | Risk Score | String(20) | M |
| Is\_ntb | Is\_ntb | String(5) | M |
| free\_field\_1 (ECRN) | free\_field\_1 | String(250) | O |
| free\_field\_2 (Cheque book ref) | free\_field\_2 | String(250) | O |
| free\_field\_3 | Network\_ID | String(50) | O |
| free\_field\_4 | Employer\_name\_as\_per\_visa | String(250) | O |
| free\_field\_5 | CIF\_verification\_flag | String(250) | O |
| free\_field\_6 | ETB\_document\_flag | String(250) | O |
| free\_field\_7 | free\_field\_7 | String(250) | O |
| free\_field\_8 | free\_field\_8 | String(250) | O |
| free\_field\_9 | free\_field\_9 | String(250) | O |
| free\_field\_10 | free\_field\_10 | String(250) | O |
| Middle\_Name | Middle\_Name | String(30) | O |
| Name\_modify | Name\_modify | String(5) | O |
| Identification\_Document\_Number | Identification\_Document\_Number | String(100) | O |
| Curr\_Visa\_Designation | Curr\_Visa\_Designation | String(255) | M |
| Name\_on\_Debit\_Card | Name\_on\_Debit\_Card | String(19) | O |
| MANDATE\_AND\_DECLARATION | MANDATE\_AND\_DECLARATION | String(20) | M |
| Sign | Sign | String(20) | M |
| CRS | CRS | String(20) | M |
| Passport\_Copies | Passport\_Copies | String(20) | M |
| Dual\_Nationality | Dual\_Nationality | String(150) | M |
| PEP\_Category | PEP\_Category | String(100) | CM (If PEP Yes) |
| Previous\_Designation | Previous\_Designation | String(255) | CM (If PEP category is self) |
| Relation\_Detail\_w\_PEP | Relation\_Detail\_w\_PEP | String(70) | CM (If PEP category is association) |
| Name\_of\_PEP | Name\_of\_PEP | String(150) | CM (If PEP category is association) |
| country\_pep\_hold\_status | country\_pep\_hold\_status | String(200) | CM (If PEP category is association) |
| Emirate\_pep\_hold\_status | Emirate\_pep\_hold\_status | String(150) | CM(If country is UAE) |
| Currency | Currency | String(50) | M(Defaulted To AED) |
| Prefer\_Branch\_Det | Prefer\_Branch\_Det | String(50) | M |
| Employment\_Status | Employment\_Status | String(50) | M |
| Scheme\_Code | Scheme\_Code | String(90) | M |
| Name\_on\_ChequeBk | Name\_on\_ChequeBk | String(250) | O |
| Product\_Service\_dealing | Product\_Service\_dealing | String(150) | M |
| ChequeBk\_Req | ChequeBk\_Req | String(10) | M |
| AECB\_Consent | AECB\_Consent | String(20) | M |
| Do\_you\_have\_TIN | Do\_you\_have\_TIN | String(20) | M |
| investment\_portfolio\_including\_virtual\_asset | investment\_portfolio\_including\_virtual\_asset | String(10) | O |
| income\_generated | income\_generated | String(30) | CM(For investment\_portfolio\_including\_virtual\_asset) |
| real\_Est\_owned | real\_Est\_owned | String(20) | O |
| rental\_income | rental\_income | String(30) | CM(For real\_Est\_owned) |
| title\_deed\_attached | title\_deed\_attached | String(10) | O |
| other\_Source\_of\_income | other\_Source\_of\_income | String(30) | O |
| Net\_monthly\_income | Net\_monthly\_income | String(30) | CM(For other\_Source\_of\_income) |
| Inheritance | Inheritance | String(15) | O |
| Inheritance\_income | Inheritance\_income | String(30) | CM(Inheritance) |
| virtual\_Card\_issued | virtual\_Card\_issued | String(10) | O |
| Agent\_code | Agent\_Code | String(40) | O |
| Agent\_ID | Agent\_Email\_ID | String(40) | O |
| Agent\_mob\_no | Agent\_mob\_no | String(15) | O |
| Statement\_advice\_communciation | Statement\_advice\_communciation | String(20) | O |
| AECB\_link | AECB\_link | String(max) | O |
| bureau\_ref\_no | bureau\_ref\_no | String(30) | O |
| firco\_ref\_no | firco\_ref\_no | String(25) | O |
| customer\_input\_name | customer\_input\_name | String(79) | O |
| Customer\_input\_salary | Customer\_input\_salary | String(25) | O |
| AECB\_Income | AECB\_Income | String(20) | O |
| Final\_Monthly\_income | Final\_Monthly\_income | String(20) | O |
| Mrkt\_promo\_offer | Mrkt\_promo\_offer | String(10) | O |
| Receive\_mrkt\_promo\_mode | Receive\_mrkt\_promo\_mode | String(50) | O ( , separated) |
| customer\_segment | customer\_segment | String(50) | M |
| customer\_subsegment | customer\_subsegment | String(50) | M |
| industry |  | String(200) | O |
| is\_prime\_req | is\_prime\_req | String(5) | M |
| is\_cbs\_req | is\_cbs\_req | String(5) | M |
| Dedupe\_Match\_found | Dedupe\_Match\_found | String(5) | M ( Key value pair – Consider XML attached above) |
| Source\_unit | Source\_unit | String(20) | O (Key value pair)  Possible values: BA, RM,VRM, UA, DSA |
| Product\_Category | Product\_Category | String(20) | **M** (Key value pair)  Possible values: **Conventional/Islamic** |
| Account\_creation\_date | Account\_creation\_date | String(30) | CM (Key value pair) (STP)  (yyyy-MM-dd) |
| **MOI\_employer** | **MOI\_employer** | **String(200)** | **Key value pair (O)** |
| **AECB\_employer** | **AECB\_employer** | **String(200)** | **Key value pair (O)** |
| **finacle\_employer** | **finacle\_employer** | **String(200)** | **Key value pair (O)** |
| **NSTP\_employer** | **NSTP\_employer** | **String(5)** | **Key value pair (O)** |
| **other\_employerName** | **other\_employerName** | **String(200)** | **Key value pair (O)** |
| **employer\_source** | **employer\_source** | **String(200)** | **Key value pair (O)** |
| <FATCA\_CRS\_GRID\_details> Start Of Repetitive tag for FATCA CRS GRID details | | | M |
| Country\_Tax\_Residence | Country of Tax Residence | String(50) | M |
| TIN | Taxpayer Identification Number (TIN) | String(50) | M |
| /Equivalent |
| Reason\_unable\_tin | Reason if unable obtain | String(100) | M |
| a TIN/Equivalent |
| Future\_Free\_Field1 | Future Free Field1 | String(150) | O |
| Future\_Free\_Field2 | Future Free Field2 | String(150) | O |
| < /FATCA\_CRS\_GRID\_details> > End of Repetitive tag for FATCA CRS GRID details Attributes | | |  |
| <UIDDetails> Start of Repetitive tag for UID Details Grid | | |  |
| AlertDetails |  | String | O |
| </UIDDetails> End Of Repetitive tag for Grid Attributes | | |  |
| <AddressDetails> Start of Repetitive tag for Address Detials Grid | | | M |
| Flat\_Villa\_No | Flat/Villa No | String(60) | M |
| Building\_Villa\_Name | Building/Villa Name | String(60) | M |
| Street\_Location | Street/Location | String(60) | M |
| Nearest\_landmark | Nearest landmark | String(60) | O |
| PO\_Box\_address | P.O Box | String(20) | M |
| Emirate\_City\_address | Emirate/City | String(100) | M |
| Address\_type | Address\_type | String(30) | M |
| Country\_address | Country | String(150) | M |
| </AddressDetails> End of Repetitive tag for Address Detials Grid | | |  |
| <Background info employer> Start of repetitive aggregate and following are the type value pair | | | CM for high risk |
| not\_in\_employment | not\_in\_employment | String(5) | M |
| Employer\_Name | Employer\_Name | String(60) | O |
| other\_employer | other\_employer | String(60) | O |
| Position\_held | Position\_held | String(60) | O |
| country | country\_backgrdinfo | String(100) | O |
| dateofemployemnt | dateofemployemnt | String(10) | O |
| <> End of Repetitive aggregate tag | | |  |
| <company\_Details tags> Start of Repetitive tag |  |  |  |
| company\_name | Company\_Name | String(200) | CM(self-employed case |
| Industry\_category | Business\_act\_per\_TL | String(50) | CM(self-employed case |
| Industry | Industry | String(200) | CM(self-employed case |
| years\_of\_incorp | Year\_of\_Incorporation | String(10) | CM(self-employed case |
| country\_of\_incorp | country\_of\_Incorporation | String(200) | CM(self-employed case |
| percent\_sharehold\_in\_cmpny | percent\_sharehold\_in\_cmpny | String(5) | CM(self-employed case |
| annual\_turnover | Annual\_Turnover | String(30) | CM(self-employed case |
| Annual\_profit | Annual\_Profits | String(30) | CM(self-employed case |
| Designation | Trade\_License |  | CM(self-employed case |
| countries\_W\_business\_conducted\_1 | country\_which\_business\_conducted\_1 | String(50) | CM(self-employed case |
| countries\_W\_business\_conducted\_2 | country\_which\_business\_conducted\_2 | String(50) | O |
| countries\_W\_business\_conducted\_3 | country\_which\_business\_conducted\_3 | String(50) | O |
| countries\_W\_business\_conducted\_4 | country\_which\_business\_conducted\_4 | String(50) | O |
| </company\_Details tags> <> End of Repetitive aggregate tag |  |  |  |
|  |  |  |  |
| <DedupeMatches> Start repetitive tag (**CM**) | | | |
| CIFID | CIFID | String(20) | O |
| FullName | FullName | String(79) | O |
| DOB | DOB | String(12) | O |
| Emirates\_ID | Emirates\_ID | String(15) | O |
| Passport\_No | Passport\_No | String(25) | O |
| Nationality | Nationality | String(100) | O |
| Phone | Phone | String(20) | O |
| </DedupeMatches> End | | |  |

The following Name Value specifications are specific to WI creation call. These values comprise of Attribute tag, Name & Value pair mapping.

## Request/Response WiCreate interface



## 2.2 Error Mapping:

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Error Code** | **Error Description** |
|  | 1000 to 1999 | Technical Errors |
|  | 2000 to 2999 | Business Errors/Custom Validations if any |
|  | 3335 | Duplicate WI |



## 2.3 Assumptions:

1. This document will be used for tracking the changes and clarifications as required from all stake holders.
2. Once signed-off, the mapping will be added as an addendum to Create WorkItem web service technical specification document.
3. XML is attached for reference only. The actual name value pair may slightly differ in actual implementation.
4. Master Annexure for fields mentioned in input xml will be same as of finacle.