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Date: 29-02-2024

Technical Requirements Specification

**(DPL\_Update WI)**

**(NEWGEN CONFIDENTIAL)**

**Newgen Software Technologies Ltd.**

**New Delhi, INDIA**

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

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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]* |
| 23-11-2023 | 1.0 | ***First Draft*** | Himanshi Chawla | Nikhil Katiyar |  |
| 27-11-2023 | 1.1 | SubProcess tag name changed. | Himanshi Chawla | Nikhil Katiyar |  |
| 01-12-2023 | 1.2 | Prospect\_id & WINUMBER tag name changed. | Himanshi Chawla | Nikhil Katiyar |  |
| 13-12-2023 | 1.3 | FTS Sub Process added with respective tags. | Himanshi Chawla | Nikhil Katiyar |  |
| 05-01-2023 | 1.4 | Immediate\_Withdraw Tag added as part of User story PDPLM-59 | Nikhil Katiyar | Nikhil Katiyar |  |
| 21-02-2024 | 1.5 | PL\_Account\_update subprocess added | Nikhil Katiyar | Nikhil Katiyar |  |
| 29-02-2024 | 1.6 | Offer\_letter\_Decision Subprocess added | Nikhil Katiyar | Nikhil Katiyar |  |
| 12-03-2024 | 1.7 | UW required tag added in Subprocess added | Nikhil Katiyar | Nikhil Katiyar |  |
| 09-04-2024 | 1.8 | PL\_Courier\_update Subprocess added | Rubi Kumari | Nikhil Katiyar |  |

# Introduction

## Purpose

RAK bank has partnered with Newgen to automate various processes throughout the Bank. iBPS, 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 iBPS 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 iBPS and MW for DEH integration. This document will form the basis of interface development.

## References

NA

# DPL Name Value Pair Mapping from MW (UPADTE\_WI)

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

Inclusion of three different messages in response to failure of WI Update. Three new messages will be triggered in the following scenario

1. WI update is not possible if WI is at Reject queue. In this scenario the following message will be passed: "Work-item cannot be updated as the WI is rejected"
2. WI update is not possible if WI is at Exit (approved) queue. In this scenario the following message will be passed: "Work-item cannot be updated as the WI is Processed"
3. WI update is not possible if WI is at still under process. In this scenario the following message will be passed: "Work-item cannot be updated as the WI is under processing"
4. WI update is not possible as additional information was requested. In this scenario the following message will be passed: "Work-item cannot be updated as additional information was not asked.

|  |  |
| --- | --- |
| **Return Code** | **Return Desc** |
| 5050A | Workitem cannot be updated as the WI is Rejected |
| 5050B | Workitem cannot be updated as the WI is Processed |
| 5050C | Workitem cannot be updated as the WI is Under Processing |
| 5050E | Workitem cannot be updated as additional information was requested |



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

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name / Attribute Name in Input XML** | **Interface field description** | **Data Type** | **Mandatory(M)/ Conditional(C) /Optional(O)** |
| ProcessName | ProcessName | String (20) | M |
| SubProcess | SubProcessName | String (50) | M |
| Prospect\_id | ProspectID | String (20) | M |
| WINUMBER | WINAME | String (126) | M |

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentNameList | DocumentNameList | String (Max) | M (Subprocess: FIRCO\_ADDN\_DATA\_PL) |
| ActionedDate | ActionedDate | String (30) | M (Subprocess: FIRCO\_ADDN\_DATA\_PL) |

|  |  |  |  |
| --- | --- | --- | --- |
| InitiatedDate | InitiatedDate | String (30) | M (Subprocess: FIRCO\_NO\_ACTION\_PL) |
| ExpiryDate | ExpiryDate | String (30) | M (Subprocess: FIRCO\_NO\_ACTION\_PL) |

|  |  |  |  |
| --- | --- | --- | --- |
| UW\_reqd | UW\_reqd | String (10) | M (Subprocess: NO\_ANLYS\_PL) |
|  |  |  |  |
| UW\_reqd | UW\_reqd | String (10) | M (Subprocess: NO\_BANK\_STMT\_ANLYS\_PL ) |
| FTS\_error\_reason | FTS\_error\_reason | String (300) | M (Subprocess: NO\_BANK\_STMT\_ANLYS\_PL ) |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Stmt\_Salary1 | Net\_Salary1 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary1\_date | Net\_salary1\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Cummulative\_flag\_month1 | Cummulative\_flag\_month1 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary2 | Net\_Salary2 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary2\_date | Net\_salary2\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Cummulative\_flag\_month2 | Cummulative\_flag\_month2 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary3 | Net\_Salary3 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary3\_date | Net\_salary3\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Cummulative\_flag\_month3 | Cummulative\_flag\_month3 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary4 | Net\_Salary4 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary4\_date | Net\_salary4\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary5 | Net\_Salary5 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary5\_date | Net\_salary5\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary6 | Net\_Salary6 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary6\_date | Net\_salary6\_date | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_Salary7 | Net\_Salary7 | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_salary7\_date | Net\_salary7\_date | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_1 | Addn\_Perfios\_EMI\_1 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_2 | Addn\_Perfios\_EMI\_2 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_3 | Addn\_Perfios\_EMI\_3 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_4 | Addn\_Perfios\_EMI\_4 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_5 | Addn\_Perfios\_EMI\_5 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_6 | Addn\_Perfios\_EMI\_6 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_7 | Addn\_Perfios\_EMI\_7 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_8 | Addn\_Perfios\_EMI\_8 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_9 | Addn\_Perfios\_EMI\_9 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_10 | Addn\_Perfios\_EMI\_10 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_11 | Addn\_Perfios\_EMI\_11 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_12 | Addn\_Perfios\_EMI\_12 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_13 | Addn\_Perfios\_EMI\_13 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_14 | Addn\_Perfios\_EMI\_14 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_15 | Addn\_Perfios\_EMI\_15 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_16 | Addn\_Perfios\_EMI\_16 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_EMI\_17 | Addn\_Perfios\_EMI\_17 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_CC | Addn\_Perfios\_CC | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addional\_CC\_payment\_1 | Addional\_CC\_payment\_1 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addional\_CC\_payment\_2 | Addional\_CC\_payment\_2 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addional\_CC\_payment\_3 | Addional\_CC\_payment\_3 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addional\_CC\_payment\_4 | Addional\_CC\_payment\_4 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addional\_CC\_payment\_5 | Addional\_CC\_payment\_5 | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_Perfios\_OD\_Amt | Addn\_Perfios\_OD\_Amt | String (15) | O(Subprocess: STMT\_ANLYS\_PL) |
| Addn\_OD\_date | Addn\_OD\_date | String (30) | O(Subprocess: STMT\_ANLYS\_PL) |
| Joint\_Acct | Joint\_Acct | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| High\_Value\_Deposit | High\_Value\_Deposit | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Credit\_Amount | Credit\_Amount | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_chq\_rtn\_last\_3mnts | Stmt\_chq\_rtn\_last\_3mnts | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_chq\_rtn\_cleared\_in30\_last\_3mnts | Stmt\_chq\_rtn\_cleared\_in30\_last\_3mnts | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_chq\_rtn\_last\_1mnt | Stmt\_chq\_rtn\_last\_1mnt | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_chq\_rtn\_cleared\_in30\_last\_1mnt | Stmt\_chq\_rtn\_cleared\_in30\_last\_1mnt | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_DDS\_rtn\_last\_3mnts | Stmt\_DDS\_rtn\_last\_3mnts | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_DDS\_rtn\_cleared\_in30\_last\_3mnts | Stmt\_DDS\_rtn\_cleared\_in30\_last\_3mnts | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_DDS\_rtn\_last\_1mnt | Stmt\_DDS\_rtn\_last\_1mnt | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Stmt\_DDS\_rtn\_cleared\_in30\_last\_1mnts | Stmt\_DDS\_rtn\_cleared\_in30\_last\_1mnts | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Name\_match | Name\_match | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Pensioner\_flag | Pensioner | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |
| Statement\_Key | Key for decrypt e-statement | String (4000) | O(Subprocess: STMT\_ANLYS\_PL) |
| Immediate\_withdraw | Immediate\_withdraw | String(10) | O(Subprocess: STMT\_ANLYS\_PL) |
| UW\_reqd | UW\_reqd | String (10) | O(Subprocess: STMT\_ANLYS\_PL) |

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|  |  |  |  |
| Sol\_Id | Sol\_Id | String (10) | M (Subprocess: PL\_Account\_update) |
| Event | Event | String (300) – (Value : Account Created - Default) | M (Subprocess: PL\_Account\_update  ) |
| CIF | CIF | String(7) | M (Subprocess: PL\_Account\_update) |
| IBAN | IBAN | String(100) | M (Subprocess: PL\_Account\_update) |
| Account\_Number | Account\_Number | String(100) | M (Subprocess: PL\_Account\_update) |
| Account\_creation\_date | Account\_creation\_date | String(100) | M (Subprocess: PL\_Account\_update) |
| Scheme\_Code | Scheme\_Code | String(100) | M (Subprocess: PL\_Account\_update) |
| customer\_subsegment | customer\_subsegment | String(100) | M (Subprocess: PL\_Account\_update) |

|  |  |  |  |
| --- | --- | --- | --- |
| Event | Event | String (300) – (Value : Offer\_letter\_decsion - Default) | M (Subprocess: Offer\_Letter\_Decision  ) |
| Offer\_letter\_Cust\_Decision | Offer\_letter\_Cust\_Decision | String(7)  (Values : Accepted, Declined , Opted for Cooling Period) | M (Subprocess: Offer\_Letter\_Decision) |
| ECRN | ECRN | String(100) | M (Subprocess: Offer\_Letter\_Decision) |
| ChequeBk\_ref | ChequeBk\_ref | String(100) | M (Subprocess: Offer\_Letter\_Decision) |

|  |  |  |  |
| --- | --- | --- | --- |
| Delivery\_Status | Delivery\_Status | String (50) | M (Subprocess: PL\_Courier\_update) |
| Status\_Code | Status\_Code | String(10) | O (Subprocess: PL\_Courier\_update) |
| **<Emirates\_ID\_PING\_data> - Start of Repetitive tag for EID PING data Grid Details** |  |  |  |
| Emirates\_ID | Emirates\_ID | String(50) | M (Subprocess: PL\_Courier\_update) |
| Expiry\_date | Expiry\_date | String(50) | M (Subprocess: PL\_Courier\_update) |
| Card\_Number | Card\_Number | String(50) | M (Subprocess: PL\_Courier\_update) |
| Gender | Gender | String(50) | M (Subprocess: PL\_Courier\_update) |
| Name\_english | Name\_english | String(50) | M (Subprocess: PL\_Courier\_update) |
| Nationality | Nationality | String(10) | M (Subprocess: PL\_Courier\_update) |
| **<Emirates\_ID\_PING\_data> - End of Repetitive tag for EID PING data Grid Details** |  |  |  |
| **<Documents> - Start of Repetitive tag for Documents Grid Details** |  |  |  |
| DocumentName | DocumentName | String(50) | M (Subprocess: PL\_Courier\_update) |
| Document\_type | Document\_type | String(10) | M (Subprocess: PL\_Courier\_update) |
| Document\_url | Document\_url | String(100) | M (Subprocess: PL\_Courier\_update) |
| **<Documents> - End of Repetitive tag for Documents Grid Details** |  |  |  |

# Request/Response WI Update Interface

Error Mapping:

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

Only response header with error code will be returned in case of technical error.

In case of any business validation/custom validation failure, generic return code will be returned in the header and specific error code will be provided in the body. Business validation failure scenarios are to be finalized in case of workitem update.



# 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.

Master Annexure for fields mentioned in input xml will be same as of finacle.