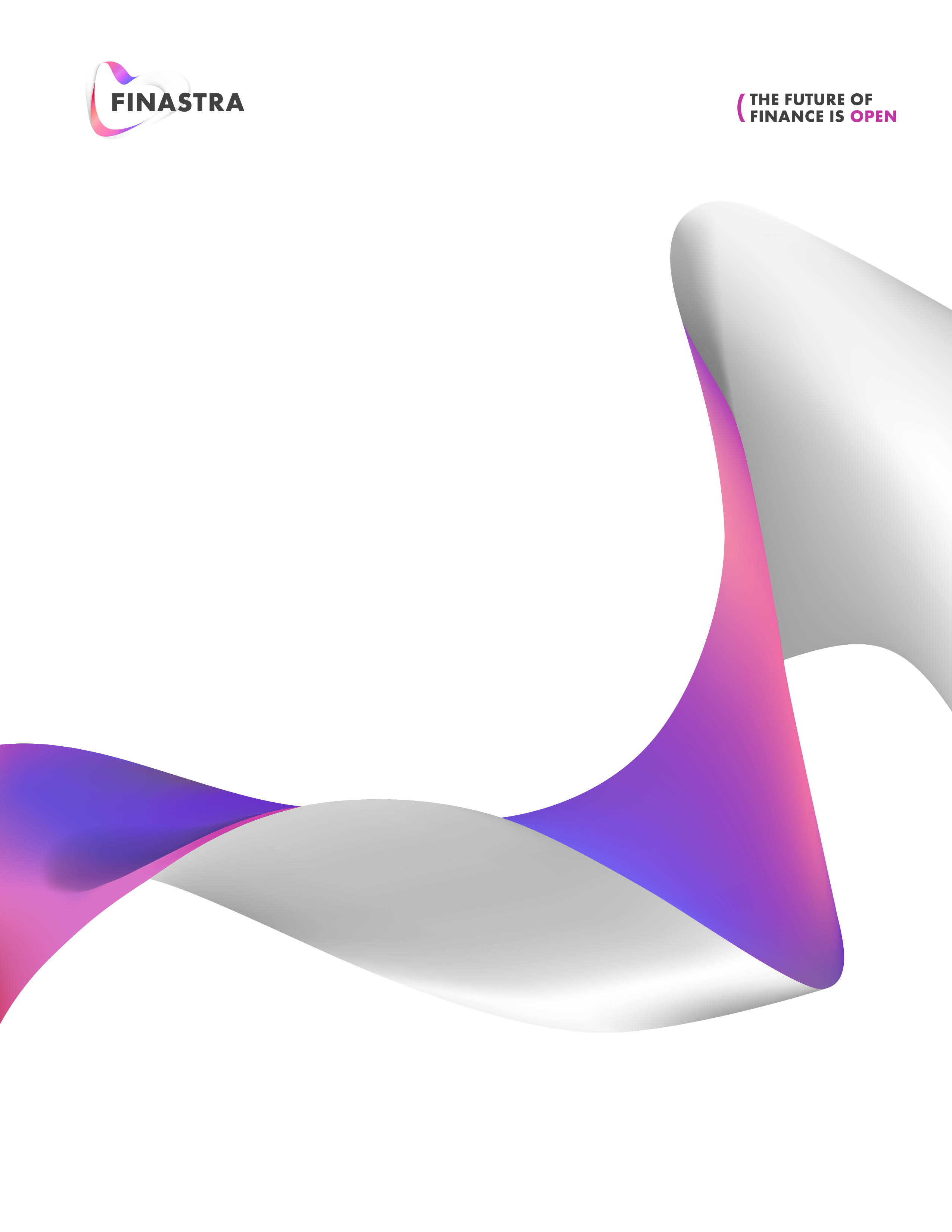


|  |
| --- |
| Shashi Jakka  July 25, 2021 |



|  |
| --- |
| Fusion Banking Loan IQ |
| Fusion Loan IQ – Online Settlement -Disbursment Specification Document V1.0 |
|  |

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# Preface

## Document information

This document is one of the deliverables of the GIB – LIQ Implementation project of Finastra & PS Global Technologies FZCO (PS Global).

The purpose of this document is to specify the details related to Online Settlement - Disbursement.

This document will also list down all the assumptions that have been considered for the development of the solution.

The following table provides general information on the document:

|  |  |
| --- | --- |
| Document information | |
| Author | Shashi Jakka |
| Project | GIB - Loan IQ Project Implementation |
| Document name | 1.0 |
| Applicability | Finastra, GIB and Internal |
| Released by | PS Global |

Table 1: Document Information

## Version History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Author | Date | Description of change |
| 1.0 | Shashi Jakka | 25.07.2021 | Initial Draft |
|  |  |  |  |
|  |  |  |  |

Table 2: Version History

## Key Contacts

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Business/Technical | Email | Phone |
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Table 3: Key Contacts

## Document Sign-off

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Role | Date | Signature |
|  | <Client Business> |  |  |
|  | <Finastra Build Team> |  |  |
|  |  |  |  |
|  |  |  |  |

Table 4: Document Signoff

## Review and Changes

This document must be reviewed by Business Analysts, Developers, Product Managers, and IT staff to make sure that bank’s requirements are met and flow between the systems is understood. Below table shows the list of all the stakeholders responsible for the review of this document.

|  |  |  |
| --- | --- | --- |
| Review team member | Department | Role / Function |
|  |  |  |
|  |  |  |
|  |  |  |

Table 5: Review Teams

## Glossary

|  |  |
| --- | --- |
| Abbreviation | Definition |
| BO | Business Object |
|  |  |
| Loan IQ | Fusion Loan IQ |
| N/A | Not Applicable |
|  |  |

Table 6: Glossary

# Introduction

## Scope of Document

Scope of this document is to describe the solution and specification for the Online Settlement disbursement for DDA type of payments in Loan IQ

This document is relevant for those who:

* Are part of Finastra delivery team for Loan IQ
* Bank’s business & IT teams
* PS Global Business Analysts and Developers

## Functional Requirement

### Disbursements Intraday

The requirement for the intraday loan drawdowns or loan increase is to validate the disbursement before releasing the transaction, stop the disbursement from release when the customer account is not valid or inactive account (by calling RT service), if the response from RT service is false then bank would want to stop the drawdown from release, else to proceed with the transaction.

### Disbursements Start of Day (Batch)

Business requirement for the loan drawdowns or loan increase to be released by batch process is to stop the disbursement from release when the customer account is not valid or inactive account (by calling RT service), if the response from RT service is false then bank would want to stop the drawdown from release, else to proceed with the transaction.

### In Scope

Loan initial Drawdown and Loan Increase with payment type as ‘DDA’ are in Scope

### Out of Scope

Any other Disbursements in Loan IQ that is not type of DDA are out scope.

# Interface Solution

A trigger will be configured for the Disbursement Transaction that will be fired, whenever a particular Disbursement related cashflows are sent to release, we’ll perform the Internal Action, on given details by making RT Service call. From the response we’ll check If there is any credit block or any error on the customer account, if there isn’t any issue with the customer account, we’ll release the cashflow.

## Solution in steps

🡪Below is the steps-by-step pseudo code for the Disbursement Validations

1. Setup the business event triggers with action as “Internal Action” for the below transactions
   1. Loam initial Drawdown (ID)
   2. Loan Increase (INCR)
2. When an event has been created in Loan IQ and after entering all the details, user will try to complete the workflow “Send to release”. At this point, triggers will be fired and do the Internal Action. Action pseudocode as below
   1. Identify the business object of the transaction
   2. Get the cashflows of the transaction
   3. Identify the direction of Cashflow
   4. Identify the payment method code from cashflow
   5. If Cashflow direction is “TO” & Payment method code Is “DDA” then proceed further
   6. Else return and exit
   7. Create all variables required for RT Service call

(CreditAccount,DebitAccount,Currency,Amount,ValueDate,PaymentMethodCode,etc.)

* 1. Using cashflows Remittance Instruction fetch the Credit Account number.
  2. To fetch Debit Account , which is Intermediary suspense account ,run a query that is being read from properties file and get the query result
  3. Using Cashflows get the Amount, Value Date, Payment Method Code and Currency
  4. Make a RT service call with the above values
  5. If request is successfully sent and got the response back, parse the response
  6. If there is any Error on the account or response is false, stop the release of transaction
  7. Else get the “UBS Journal ID” from the response
  8. Save the UBS Journal ID as Loan IQ Transaction Description;
  9. Exit the program.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Object Type | Object Sub-type | Event Type | Event Name | Execution Type | Query Function |
| Outstanding Transaction (OTR) | Loan initial Drawdown (ID) | Transaction Event (TRE) | Released(RELSD) | Internal Action |  |
| Outstanding Transaction (OTR) | Loan Increase(INCR) | Transaction Event (TRE) | Released (RELSD) | Internal Action |  |

## UBS Web Service Call Request and Response Sample

Request from Loan IQ should be sent in the format as below (This is based on the current version available).

### Field Mapping

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Loan IQ Field Name** | **Request /Response Tag** | **Object** | **Method** | **M/O** |
| strCurrency |  | Cashflow | cashflowobj.getRemittanceInstruction().getCurrency() | M |
| decAmount |  | Cashflow | cashflowobj.getAmount().amount.abs(); | M |
| strCreditAccountNumber |  | Cashflow | Cashflowobj.getRemittanceInstruction()  .getAccountNumber() | M |
| strDebitAccountNumber |  |  | Run a Query to get the Account number | M |
| dteValueDate |  | CashFlow | cashflowobj.getValueDate(); | M |
| strLoanPurposeCode |  | CashFlow | cashflowobj.getPurposeCode(); |  |
| strUBSJournalID |  |  | From Response | M |

### 

### Request

### Response

## Assumptions

* There will not be any change in Request and Response format during the project.

# Dependency

# Referenced Documents

The following table contains links to referenced documents.

|  |  |  |
| --- | --- | --- |
| No. | Referenced Document | Link |
| 1 |  |  |
| 2 |  |  |

Table 7: Referenced Documents

# Appendices

|  |  |  |
| --- | --- | --- |
| No. | Appendix | Link |
| 1 | *Appendix* |  |
| 2 |  |  |

Table 8: Appendices

# Open Issues

*Open issues are relevant if draft versions are published. Open issues will be tracked outside of this document and should be solved by final release of the document.*

|  |  |
| --- | --- |
| No. | Description |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |

Table 9: Open Issues



|  |  |
| --- | --- |
| **About Finastra** Finastra unlocks the potential of people and businesses in finance, creating a platform for open innovation. Formed in 2017 by the combination of Finastra and D+H, we provide the broadest portfolio of financial services software in the world today –spanning retail banking, transaction banking, lending, and treasury and capital markets. Our solutions enable customers to deploy mission critical technology on premises or in the cloud. Our scale and geographical reach means that we can serve customers effectively, regardless of their size or geographic location – from global financial institutions, to community banks and credit unions. Through our open, secure and reliable solutions, customers are empowered to accelerate growth, optimize cost, mitigate risk and continually evolve to meet the changing needs of their customers. 48 of the world’s top 50 banks use Finastra technology. Please visit [**finastra.com**](http://www.finastra.com)  Finastra and the Finastra ‘ribbon’ mark are trademarks of the Finastra group companies.  © 2017 Finastra. All rights reserved. | **North American Headquarters** 120 Bremner Boulevard 30th Floor Toronto, Ontario M5J 0A8 Canada  T: +1 888 850 6656 |