**DMND0009566**

**Sim Registration CVM Communication Channels**

**PRJ0014023**

High Level Design Document

Version 1.0

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Table of Contents

[1 Introduction 5](#_Toc102756845)

[1.1 Purpose and Scope 5](#_Toc102756846)

[1.2 Related Documentation 5](#_Toc102756847)

[1.3 Terms and Definitions 5](#_Toc102756848)

[1.4 HLD Checklist 5](#_Toc102756849)

[2 Requirement 7](#_Toc102756850)

[2.1 Current Functionality 7](#_Toc102756851)

[2.2 Reasons for Change 7](#_Toc102756852)

[2.3 Business Impact 7](#_Toc102756853)

[2.4 Business Value 7](#_Toc102756854)

[2.5 Requirements Traceability Matrix 7](#_Toc102756855)

[3 Overall Solution 9](#_Toc102756856)

[3.1 Impacted Applications 9](#_Toc102756857)

[3.2 Assumptions, Constraints and Dependencies 9](#_Toc102756858)

[3.2.1 Assumptions 9](#_Toc102756859)

[3.2.2 Constraints 9](#_Toc102756860)

[3.2.3 Dependencies 10](#_Toc102756861)

[3.3 Architecture Diagram 10](#_Toc102756862)

[3.4 Use Cases 10](#_Toc102756863)

[3.5 High-Level Solution 12](#_Toc102756864)

[3.6 UI Changes 13](#_Toc102756865)

[3.7 Fallout/Error Handling/Retry Mechanism 13](#_Toc102756866)

[3.8 Effort Details 13](#_Toc102756867)

[3.8.1 Overall Efforts 13](#_Toc102756868)

[3.8.2 Scoping Efforts (Bucket A) 14](#_Toc102756869)

[3.8.3 DCUT (Bucket A) 14](#_Toc102756870)

[3.8.4 Breakdown of DCUT Efforts 14](#_Toc102756871)

[3.8.5 Breakdown of Testing Efforts 15](#_Toc102756872)

[3.9 Timeline 15](#_Toc102756873)

[4 Other Impacts 15](#_Toc102756874)

[4.1 Impacted Interfaces 15](#_Toc102756875)

[4.2 Hardware/Third-party Software Impact 15](#_Toc102756876)

[4.3 Impact on Performance 16](#_Toc102756877)

[4.4 Impact on Operation 16](#_Toc102756878)

[4.5 Impact on Security 16](#_Toc102756879)

[4.6 Impact on Training 16](#_Toc102756880)

[4.7 Impact on Migration 16](#_Toc102756881)

[4.8 Impact on Production (System Downtime and Data) 16](#_Toc102756882)

[5 Risks 17](#_Toc102756883)

[6 Open Issues 18](#_Toc102756884)

[7 Document Release Information 19](#_Toc102756885)

[8 Appendix 20](#_Toc102756886)

[8.1 Testing Scope 20](#_Toc102756887)

# Introduction

## Purpose and Scope

This project intends to support the sending of Sim Registration reminders to GL App Inbox.

## Related Documentation

|  |  |  |
| --- | --- | --- |
| **Document ID** | **Document Name** | **Author** |
| DOC-001 | Smart Solution Proposal | Smart |
| DOC-002 |  |  |
| DOC-003 |  |  |
| DOC-004 |  |  |

## Terms and Definitions

Following is a list of terms used in this document with which the reader should be familiar:

| Term | Definition |
| --- | --- |
| AD | Application Development |
| MS | Managed Services |
| POB | Performance Obligation |

## HLD Checklist

|  |  |
| --- | --- |
| **Items / Response** | **Response** |
| Portfolio | Smart Wireless and PLDT Home |
| Line of Business (LOB) | Wireless prepaid and Postpaid  Home |
| Impacted Brands | Smart Prepaid, Smart FLP, Smart Bro Prepaid, TNT, Retailer/Dealer/PD/RD/KA  Smart Postpaid, Smart Infinity  Ultera, Home Prepaid WiFi, Home Postpaid WiFi, PLP Prepaid and Postpaid, PLDT Smart BRO and GSM Postpaid |
| Audience / End User | Prepaid and Postpaid Subscribers  Home subscribers |
| Impacted System(s) | AIA |
| Vendor(s) | N/A |
| CSOG Required? | N/A |
| CRS / PPD Frozen | No |
| Mockup’s Shared? | Not Applicable |
| Spiels Shared? | Not Applicable |
| Capacity Assessment | Pending traffic projection c/o Smart |
| Transformation Impact | None |

# Requirement

## Current Functionality

No SIM registration process in place yet.

## Reasons for Change

Support GL App inbox as touch point for sim registration reminders.

## Requirements Traceability Matrix

Below are the use cases in the scope of Assessment of this Demand. The RTM table below indicates their coverage from solution assessment point of view.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Unique ID** | **Description** | **Proposed Solution** | **GA / RISK / CONSTRAINT and DEPENDENCIES** | **Use Case** | **Impacted System** | **Remarks** |
| REQ-001 | AIA to Push Sim Registration Reminder Notification via GL App | PS-001 |  | UC-001 | AIA |  |

# Overall Solution

## Impacted Applications

|  |  |
| --- | --- |
| **Affected Systems** | |
| AIA |  |
|  |  |
|  |  |

## Assumptions, Constraints and Dependencies

### Assumptions

|  |  |
| --- | --- |
| **Unique ID** | **Description** |
| GA-001 | Any other new changes not stated in this document upon HLD approval shall require a new demand and shall be covered in a separate HLD. |
| GA-002 | There is no new report requirement scoped in this document. |
| GA-003 | Testing scope indicated under section 8.1 shall be considered as final upon HLD approval. |
| GA-004 | Spiels shall be configured in AIA by Smart Business user. |
| GA-005 | Trigger name/events shall be configured in AIA by Smart business user |
| GA-006 |  |
| GA-007 |  |

### Constraints

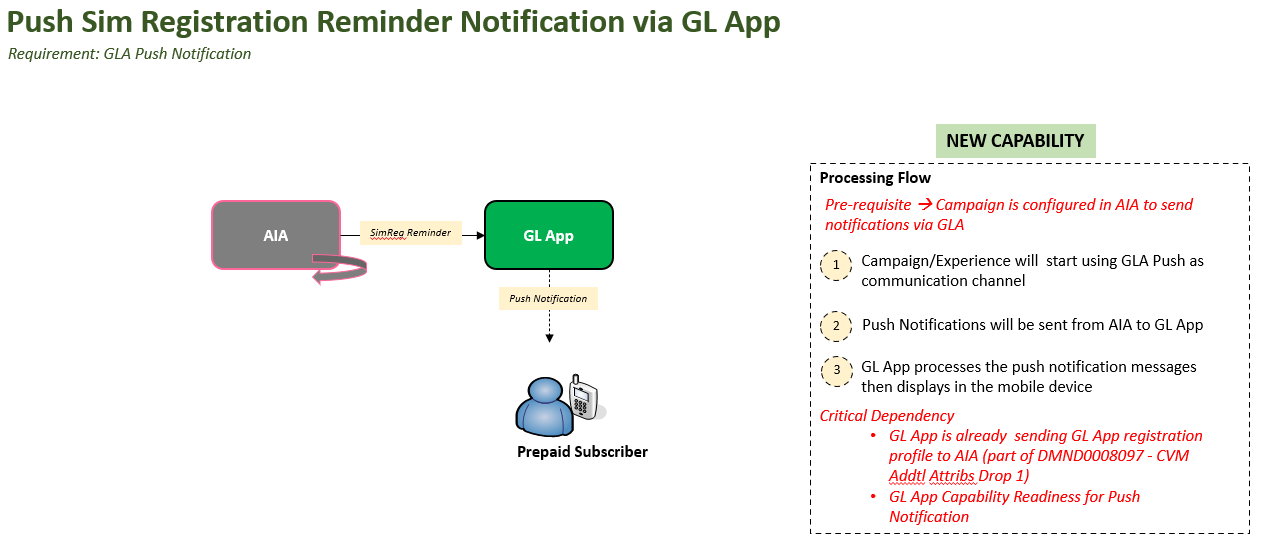
|  |  |
| --- | --- |
| **Unique ID** | **Description** |
| GC-001 | Prioritization of ongoing projects |
| GC-002 | Interface readiness |
| GC-003 | Force majeure situations |
| GC-004 | HLD timelines shall be provided based on the new prioritization process |
| GC-005 | Timeline shall be declared after the HLD approval |

### Dependencies

|  |  |
| --- | --- |
| **Unique ID** | **Description** |
| GD-001 |  |

## Architecture Diagram

### UC-003



## Use Cases

Here is the summary of use case scenarios:

|  |  |
| --- | --- |
| **UC ID** | **USE CASES (UC)** |
| UC-001 | * Push Sim Registration Reminder Notification via GL App |

## High-Level Solution

Here is the summary of proposed changes:

| **PS ID** | **Proposed Solution (PS)** |
| --- | --- |
| PS-001 | Changes in AIA   * Support a new outbound communication/message type – GL App Inbox * The new message will support a fixed number of dynamic parameters (which are pre-defined per template on GL App BE) * Integrate with GL App for the purpose of sending inbox messages |

## Fallout/Error Handling/Retry Mechanism

In any case of failure while sending messages to GL App BE, solution will support configurable number of retries and retry interval.

## Effort Details

### System Work Effort

| **System** | **Work Effort** | **Man-Days** | **Remarks** |
| --- | --- | --- | --- |
| AIA | * RT Changes - 2 MD * Development for new outbound communication message type - 11 MD * Unit Test - 3 MD * RPM for SIT - 2 MD | 18 |  |
| TESTING | SIT: Testing for new outbound communication type  IAT: E2E Testing for above scenarios  BUAT: Data preparation for biz testing  PPT Support: Sanity validation post deployment | 6 |  |

### Total DCUT and Testing Effort

|  |  |  |
| --- | --- | --- |
| **Project Execution Items** | **Actual Effort** | **Remarks** |
| Development and Unit Testing (DCUT) | 18 |  |
| Total Testing Effort | 6 |  |
| **Total Effort** | **24** |  |

### Overall Efforts

|  |  |  |
| --- | --- | --- |
| **Project Execution Items** | **Actual Effort** | **Remarks** |
| Development and Unit Testing (DCUT) | 18 | **AIA-GLApp Push notification-18 MD** |
| Scoping, Impact Assessment and High Level Design | 5 |  |
| System Acceptance Testing (SAT) | 6 |  |
| SAT Application Support | 3 |  |
| Integration Acceptance Testing (IAT) | 3 |  |
| IAT Application Support | 2 |  |
| User Acceptance Testing (UAT) - data prepration | 2 |  |
| UAT- Operational support | 1 |  |
| UAT - Application Support | 3 |  |
| Quality and Release Management | 2 |  |
| Project Management | 3 | **Estimated project management effort** |
| Post Production Test (PPT) | 1 |  |
| PPT Application Support (\*) | 1 |  |
| Production Stabilization | 1 |  |
| Ongoing Maintenance | 1 |  |
| E2E Testing (\*) | 0 |  |
| E2E Testing Application Support (\*) | 0 |  |
| Performance Testing (\*) | 0 |  |
| Performance Testing Application Support (\*) | 0 |  |
| Regression Testing (\*) | 1 |  |
| Regression Testing Application Support (\*) | 1 |  |
| CSOG Governance Support (\*) | 0 |  |
| CSOG Execution Support (\*) | 1 | **CSOG scan support effort** |
| Staging Deployment / Integration Support (\*) | 0 |  |
| Other Effort (\*) | 0 |  |
| **Total Effort** | **55** |  |

## Timeline

Timeline shall be provided upon HLD approval.

# Other Impacts

## Impacted Interfaces

Not applicable

## Hardware/Third-party Software Impact

Not applicable

## Impact on Performance

Pending traffic projection

## Impact on Operation

Not applicable

## Impact on Security

Not applicable

## Impact on Training

Not applicable

## Impact on Migration

Not applicable

## Impact on Production (System Downtime and Data)

Implementation shall require Regular Deployment.

# Risks

| Item | Risk | Impact Severity | Mitigation / Solution | Owner | Status | Comments |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# Open Issues

| Open  Item | Impact | Type of Open Item | Owner | Status | Due Date | Comments |
| --- | --- | --- | --- | --- | --- | --- |
| 0I-001 | HIGH | Pending USSD Menue | Smart | Pending |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# Document Release Information

Every change made to the document following the initial delivery MUST be shown in detail in this table

| SW Ver. | Editor/Author | Application | Edit Date | Section / Changes | Approving Manager | Version |
| --- | --- | --- | --- | --- | --- | --- |
| V 1.0 | Humprey Ramirez |  | 11/17/2022 | Initial draft |  | V 1.0 |
|  |  |  |  |  |  |  |
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# Appendix

## Testing Scope