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# Introduction

## Scope

This document summarizes the test strategy, team, procedures, and processes for the whatsapp V1.3 product which is built upon the Linux and Android operating system and platform software.

As a working document, it is in a continual state of flux as requirements, scope and milestones change.

Therefore, this document is the primary deliverable for:

* Test Strategy

## References

The following documents are source materials used in the creation of this document.

| Ref # | **Document Location** | **Description/DCM #** |
| --- | --- | --- |
|  | Business requièrent document |  |
|  | Software Requirement document |  |
|  | High level desing |  |
|  | Low level design |  |
|  | Any other document(UI flow) |  |
|  |  |  |

Table 1: Documents for reference

## General Description

## Acronyms

The following table describes terms used throughout the document.

| Acronym | Description |
| --- | --- |
| CRC | Cyclic Redundancy Code |
| DRAM | Dynamic Random Access Memory |
| FR | Feature Requirement |
| FQDN | Fully Qualified Domain Name |
| FTP | File Transfer Protocol |
| GUID | Globally Unique Identifier |
| HDD | Hard Disk Drive |
| HPNA | Home Phoneline Networking Alliance |
| ICMP | Internet Control Message Protocol |
| IPTV | Internet Protocol Television |
| JRE | Java Runtime Environment |
| LAN | Local Area Network |
| MAC | Media Access Control |
| MP |  |
| MP-BL | Boot Loader |
| MP-C | Client |
| MP-S | Server |
| MP-T | Tools |
| MTFTP | Multicast Trivial File Transfer Protocol |
| MTU | Maximum Transport Unit |
| SPRB | Software Pedigree Review Board |
| PMR | Product Market Requirements |
| SCART | Syndicat des Constructeurs dAppareils Radiorécepteurs et Téléviseurs |
| SFTP | Secure File Transfer Protocol |
| SHA-1 | Secure Hash Algorithm (version 1.0) |
| SMART | Self-Monitoring, Analysis, and Reporting Technology |
| STB | Set top box |
| TFTP | Trivial File Transfer Protocol |
| TLV | Tag Length Value |
| TR | Technical Requirement |
| UI | User Interface |
| UTF | Unicode Transformation Format |
| VIP | Video Internet Protocol |
| WAN | Wide Area Network |
| XML | extensible Markup Language |

Table 2 Acronyms and Definitions

# Test Approach

## Test tools requirement

## Hardware:

* Iphone x, iphone 7
* Motorola xoom mobile, Samsung galaxy mobile..
* PC hardware running on Windows XP/Vista/Windows7 PC support only (i.e. Mac-OS support not required).

## Software:



## Test environment setup

# Date Driven risks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Risk** | **Mitigation** | **Impact  (Low/Medium/High)** | **Owner** |
| 1 | Timely release from Dev Team | Release to be done as per the schedule | High | Development Manager |
| 2 | Availability of Boxes/mobiles/hw | Need to get boards shipped from australia<TBD> | High | customer |

# Assumptions

We assume that GPRS or internet connectivity is working fine on the hardware

# Dependencies

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Dependency Item** | **Dependent on** | **Dependency resolution date** | **QA Ownership** |
| 1 |  |  |  |  |
|  |  |  |  |  |

# Out of scope Testing

Testing in Australia mobile network is out of our scope

# Test suite naming convention in Test Central

Tool which will be used to store the test cases

# Bug tracking

Tool which will be used to store bug

Test failures encountered during the System testing Phase will be recorded on the Detailed Test Log and in the Test Summary Report. All problems shall be reported through the specified defect tracking tool.

# Schedule

|  |  |
| --- | --- |
| **Tasks** | **Ef1fort in man days** |
| Document review, Test design and Environment setup | **10** |
| PFS review , Queries/Clarifications | 5 |
| Test plan Creation and Signoff |  |
| Test case creation, implement feedback and signoff |  |
| Test effort |  |
| Sanity Test |  |
| DVT(design verification test) |  |
| Smoke Test |  |
| Regression testing ( 10% \* (functional+ nonfunctional) |  |
| Total effort without buffer |  |
| Buffer ( 10% - 20% )of the total test effort |  |
| DVT signoff in man days with buffer |  |
| Total effort with buffer |  |