TEST PLAN

Contents

[Scope 2](#_Toc9086130)

[Test Strategy 2](#_Toc9086131)

[Environment Requirements 2](#_Toc9086132)

[Software Requirements 2](#_Toc9086133)

[Hardware Requirements 2](#_Toc9086134)

[Test Schedule 2](#_Toc9086135)

[Roles and Responsibilities 2](#_Toc9086136)

[Deliverables 2](#_Toc9086137)

[Risks 2](#_Toc9086138)

[Tools 3](#_Toc9086139)

[Approval 3](#_Toc9086140)

# Scope

Validate HLS ABR format manifest, segments & vtt, which have some cut off duration based on review from censorship (for e.g,)

# Test Strategy

In this testing, we are going to do below testing

* We are going to prepare HLS test data using ffmpeg tool and cut off 2 mins of content in the middle
* Conduct smoke testing(post cut)
* Prepare Automation script to validate the changes(post cut) using python language
* Conduct cross-platform compatibility testing
* Upload the project data into git hub

# Environment Requirements

## Software Requirements

* mediafilesegmenter(to prepare the test data)
* mediasubtitlesegmenter(to prepare the test data)
* variantplaylistcreator(to prepare the test data)
* Apache server(to host VoD streaming)

## Hardware Requirements

* Windows PC(to create content and working on automation script and verify playback on Edge browser)
* MAC PC(to do playback on Safari browser with MAC OS Platform)
* iPhone(to do playback on Safari browser with iOS Platform)

# Test Schedule

We require 2 Man days to complete this work

# Roles and Responsibilities

Ravikiran is going to do all the work as mentioned on the test strategy

# Deliverables

Test data, Test report, Automation script, etc., will be delivered at the end of the work

# Risks

Shortage of the devices to do cross compatibility testing

# Tools

Below tools are going to use in this test cycle

* MediaStreamValidator
* Media Info
* Media Stream Validator
* Eclipse
* Git & GitHub

# Approval

Test Lead or Manager has to approve the test plan