April 20, 2018

This document is to certify that I have received verification from representatives of all members of the Tizen TSG that the following representative model is compliant with the Tizen TV Certification Specification. I have also received copies of the documentation stating the same.

TV devices based on the same chipset in the given model with an identical software bill of materials for the implementation of Tizen TV APIs are also certified by this document, with the list of models to be provided by Samsung Electronics on a quarterly basis.

Device Description (Name/Model, OS version)	QMN / Kant-M2e
Device Type (TV, Set-top box, etc.)	Smart Signage
Tizen Platform Version	4.0

Verified by:

- Samsung Electronics:
  - o Mr. Jonghyuk Choi, Chair of TV Workgroup under Tizen Technical Steering Group

On behalf of the Linux Foundation, I grant final approval to certify that the given representative model of the "Kant-M2e" based device implementation is compliant with Tizen 4.0 Compliance Specification for TV Profile and the TIZEN brand can be used for the certified product by its manufacturer Samsung as well.

The documents as submitted to me are attached as exhibits, with the detailed test results in a zip files named "Tizen Compliance Tests_Smart Signage_Kant-M2e result_402.1_Web.zip" with md5 sum 2543c8d2c1f8540ae7b19805b6ccd23d and "Tizen Compliance Tests_Smart Signage_Kant-M2e result_402.1_Csharp.zip" with md5 sum f335085c02c53e9705c165c524444dc5

Jeff ErnstFriedman
Manager, Tizen Project
The Linux Foundation

LINUX FOUNDATION
COLLABORATIVE PROJECTS

Certification Request Form: Tizen 4.0 TV Profile

1) Requestor Information

Company Name	Samsung Electronics Co., Ltd. (Visual Display Division)
Department	R&D Innovation Group
Job Function (Engineer, Marketing, etc.)	Engineer
Full Name	Manufacturer (JaeUk Kwon, jaeuk.kwon@samsung.com) Web/C#-TCT (Dohee Kim, dohee12.kim@samsung.com)
E-mail Address	dohee12.kim@samsung.com
Phone Number	+82-10-9187-1857
Request Date	April 20, 2018(KST)
Device Description (Name/Model, HW/OS version)	Samsung UHD Smart Signage QMN, Kant-M2e / Tizen 4.0
Device Type (TV, Set-top box, etc.)	Smart Signage
Tizen Platform Version	4.0

Requestor personal information will never be published. It is only used in case there are further questions about the submission.

2) TCT result submission checklist

Please check for each item that has been completed.

Note that the web/C# TCT MUST pass 100% for the Tizen TV Profile.

Type of TCT	TCT Requirement	Check if complete
Web	1. Submitted Web TCT test results 2. Submitted Web TCT behavior test results	YES
C#	3. Submitted C# TCT test results 4. Submitted C# TCT behavior test results	YES

3) Compliance requirement checklist

Please check for each item that has been completed.

The below items MUST be supported on your device and marked as complete to be accepted.

The "TCS Section" column indicates the section number of the requirement in the Tizen 4.0 Compliance Specification for TV Profile.

TCS Section	TCS Requirement	Check if complete
2.8.2	If a browser is provided (optional), the device includes pointer support.	YES
2.10.1	The device includes navigation keys which send DOM `ArrowDown`, `ArrowLeft`, `ArrowRight` and `ArrowUp` key events.	YES
	The device includes an Enter key which sends a DOM `Enter` key event.	YES
	The device includes a back key which sends a `tizenhwkey` event with `keyName == back`.	YES
2.11	The device follows the Linux standard security model,	YES
	The device follows Smack-based access control and process isolation.	YES
	The device meets the Tizen privileged information requirement.	YES
2.13	If the device is able to connect to the SDK through USB (optional) and it supports following tools, then write **SDK YES** • Smart Development Bridge • Log View If the device is not intended to connect to the SDK, write **SDK NO**	SDK YES
3.1.1	The device has at least 512MB of RAM.	YES
	The device has at least 2GB of permanent memory.	YES
	The device allows access to files in the shared media folder.	YES
3.1.2	The device has an audio output.	YES
3.1.3	The device includes internet network accessibility.	YES
3.1.4	Native screen resolution: Width x Height (e.g. 1920x1080)	YES (3840X2160)

Kant-M2e Smart Signage Derivatives

Tizen 4.0

Base Model (certified 2018-04-20)

LH49QMNEBGC

2020 Models

- HGXXAJ690YZZZZ
- HGXXEJ690YZZZZ
- HGXXNJ690YZZZZ
- LH13QBREBGC
- LH13QBRTBGC
- LH24KMATBGCXKR
- LH43QBNEBGC
- LH43QBREBGC
- LH43QHREBGC
- LH43QMNEBGC
- LH43QMREBGC
- LH46OMNDPGB
- LH46OMNSLGB
- LH46VMRUBGB
- LH49QBNEBGC
- LH49QBREBGC
- LH49QHREBGC
- LH49QMREBGC
- LH50QBREBGCXEN
- LH50QHREBGCXEN
- LH50QMREBGCXEN
- LH55OMNDPGB
- LH55OMNSLGB
- LH55QBNEBGC
- LH55QBREBGC
- LH55QBRNBGC
- LH55QHREBGC
- LH55QMNEBGC
- LH55QMREBGC
- LH65QBNEBGC
- LH65QBREBGC
- LH65QBRNBGC
- LH65QHREBGC
- LH65QMNEBGC
- LH65QMREBGC
- LH75QBNEBGC
- LH75QBREBGC
- LH75QBRNBGC
- LH75QHREBGC
- LH75QMNEBGC
- LH75QMREBGC
- LH82QENELGC

- LH85OHNDKGB
- LH85QBREBGCXZA
- LH85QMREBGCXZA
- LH98QMNEBGC
- SBB-SS08NL1

- LH85OHNSKGB
- LH85QMNEBGC
- LH98QBREBGC
- SBB-SNOWJAU/ZA