



# Web on TV, our vision

— What we can expect on "TeleVision" —

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W3C Web on TV Workshop

#### Web & Networking Features on TOSHIBA's Digital TV Products

#### Now in Japan,

0% of TOSHIBA's Digital TV Products support Broadband & Home Networking (Also, All of Digital TV sets shipped as BML compliant)

- **BML Data Broadcasting Compliant** 
  - for **Broadcasting Satellite (BS)** digital broadcasting service Sep 2000
  - for Terrestrial digital broadcasting service **Oct 2003**
- Broadband & Home Networking Support No External Box Required
  - Feb 2004 Internet Web Browser
  - **Oct 2004 DLNA Home Networking**
  - NTT Plala's "4th-MEDIA" IPTV service **Oct 2005**
  - **DTCP-IP** for DLNA Home Networking **Oct 2006**
  - Oct 2007 "AcTVila" TV Portal & VOD service
  - NTT Plala's "Hikari-TV" IPTV service Apr 2008
  - "Yahoo! Japan for TV" Portal & VOD service Aug 2009
  - **April 2010** "YouTube" VOD service
  - "TSUTAYA TV" and "T's TV" VOD service Aug 2010

The World's 1st !

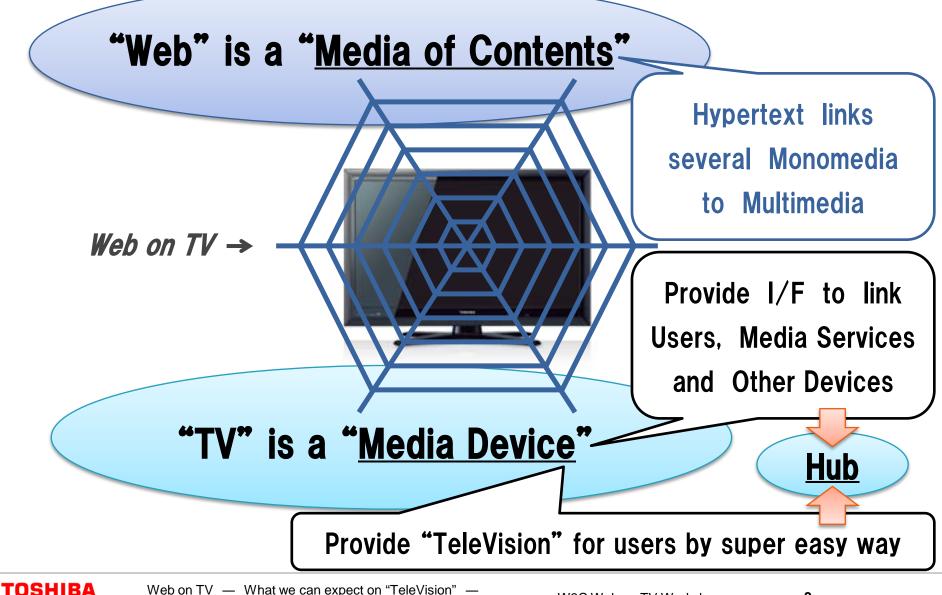


\* TOSHIBA's Digital TV "REGZA" Features List : http://www.toshiba.co.jp/regza/function/10a/index\_j.htm



**Released Before Service Launch** 

# Q: What is the "Web", What is the "TV" ?



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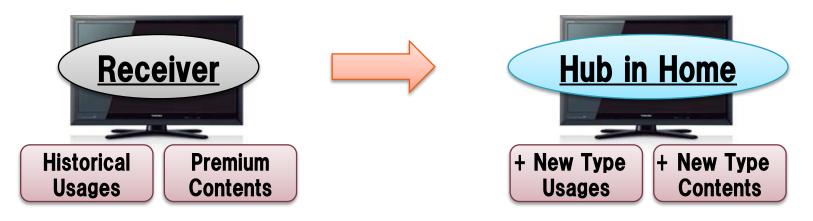
# **Our Interest and Point of View in the Workshop**

### • "TV" is a ...

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# (Historically) <u>Receiver</u> of Broadcasting Services (Now&Future) <u>Hub in the Home</u> for Information Exchange

- Has a number of Device Inputs/Outputs & User Interfaces
- Located in the Center of Living room and/or Everyday life



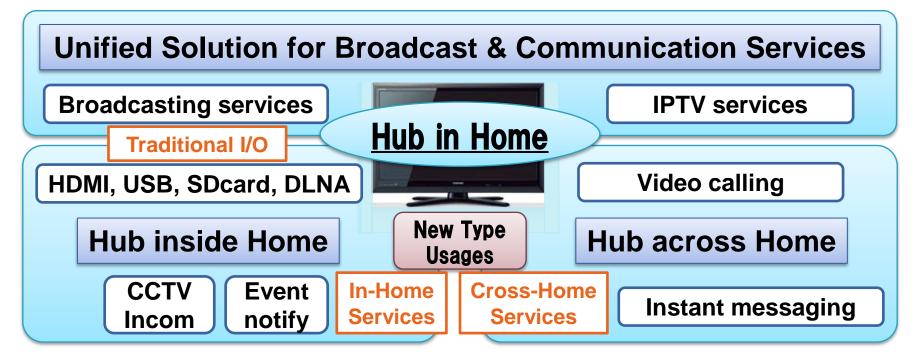
- Extend the Potential of "TeleVision" by "Web on TV"
  - <u>New Type of Usages</u>, to Ext. the Potential of "Media Device"
  - <u>New Type of Contents</u>, to Ext. the Potential of "Media Experience"

# New Type of Usages: "Hub in the Home"

to Extend the Potential of "TeleVision" as "Media Device"

#### We expect ...

Web Technology enables New Type of Usages on "TeleVision"



#### Is above use cases OK with Current Spec? If not ... How to fill the Gap? How to archive aboves by web & progressively enhance to follow new usages.

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# New Type of Contents: "Web on TV"

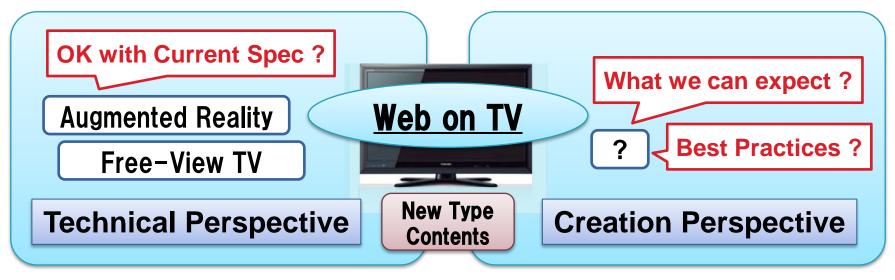
to Extend the Potential of "Media Experience" on "TeleVision"

#### We expect ...

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Web Technology enables New Type of Contents on "TeleVision"



We can find some exapmles on "DREAM2022, Japan's Bid Book for World Cup" http://www.dream-2022.jp/en/our\_bid/bid\_book/208Smiles\_SUMMARY\_en.pdf

#### <u>Will W3C organize a Group/Community with Contents Creators to discuss ?</u> How to archive aboves by Web & progressively enhance to follow changes.

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#### Our proposed use cases and requirements for Web on TV

- Req: <u>Discuss New Type of Usages on TV as "Media Device"</u>
  - Unified Solution for Broadcast & Communication Services
  - Hub inside Home, Hub across Home
  - TV is now the Hub in the Home for Information Exchange
  - We think Web Technology is enabler to Extend the Potential of TV
- Req: <u>Discuss New Type of Contents on TV for "Media Experience"</u>
  - Technical Perspective, Creation Perspective
  - Seems some ongoing work in W3C relates both of perspectives
  - Seems good place to organize community for Contents Creators

We think ... the role of HTML5 is not only the solution for TV, but also the bootstrap to start discussion for TV since it has a power and potential , and solution for progressive enhancement.

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# Thank You !!