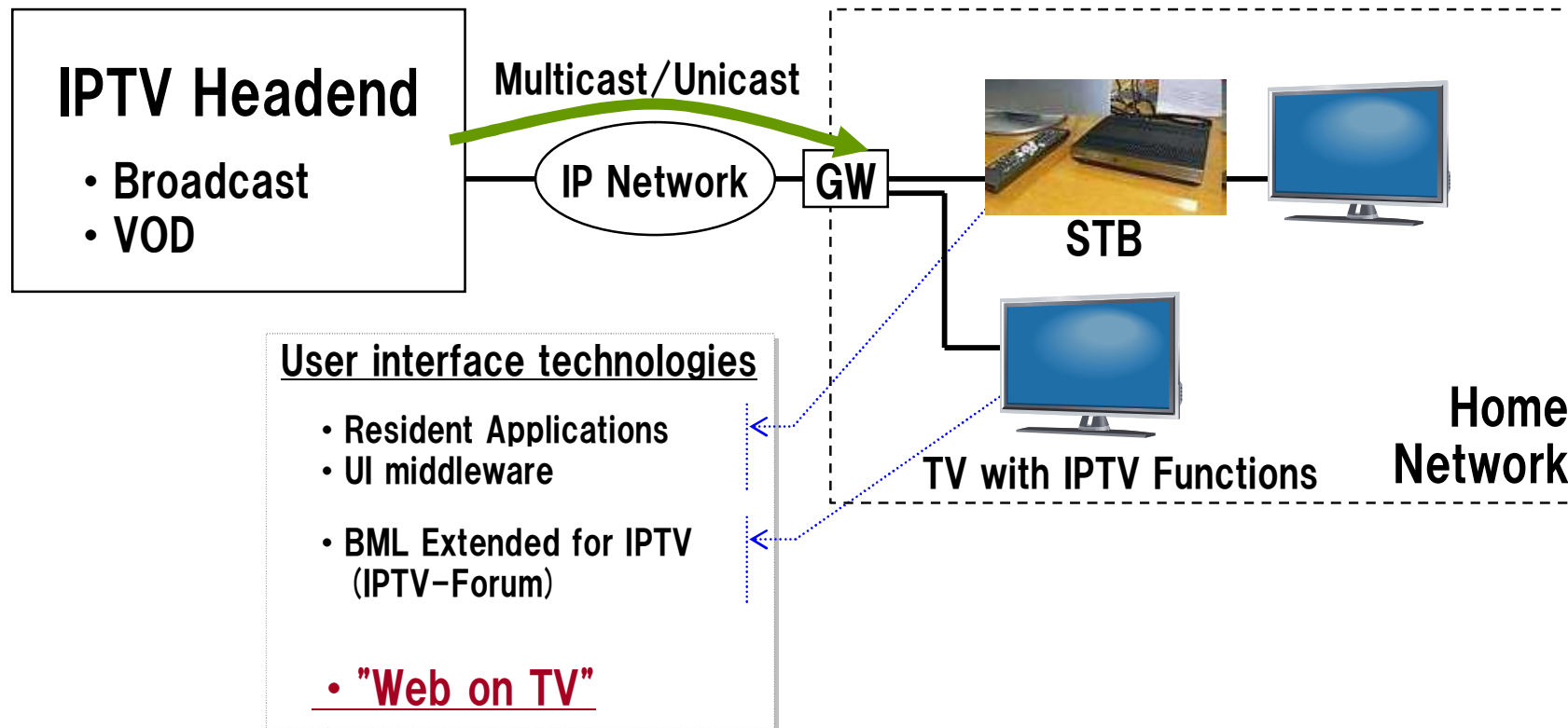


W3C Web on TV Workshop
"Web on TV" Use case in IPTV Service

2, September 2010

Innovative IP Architecture Center
NTT Communications Corporation

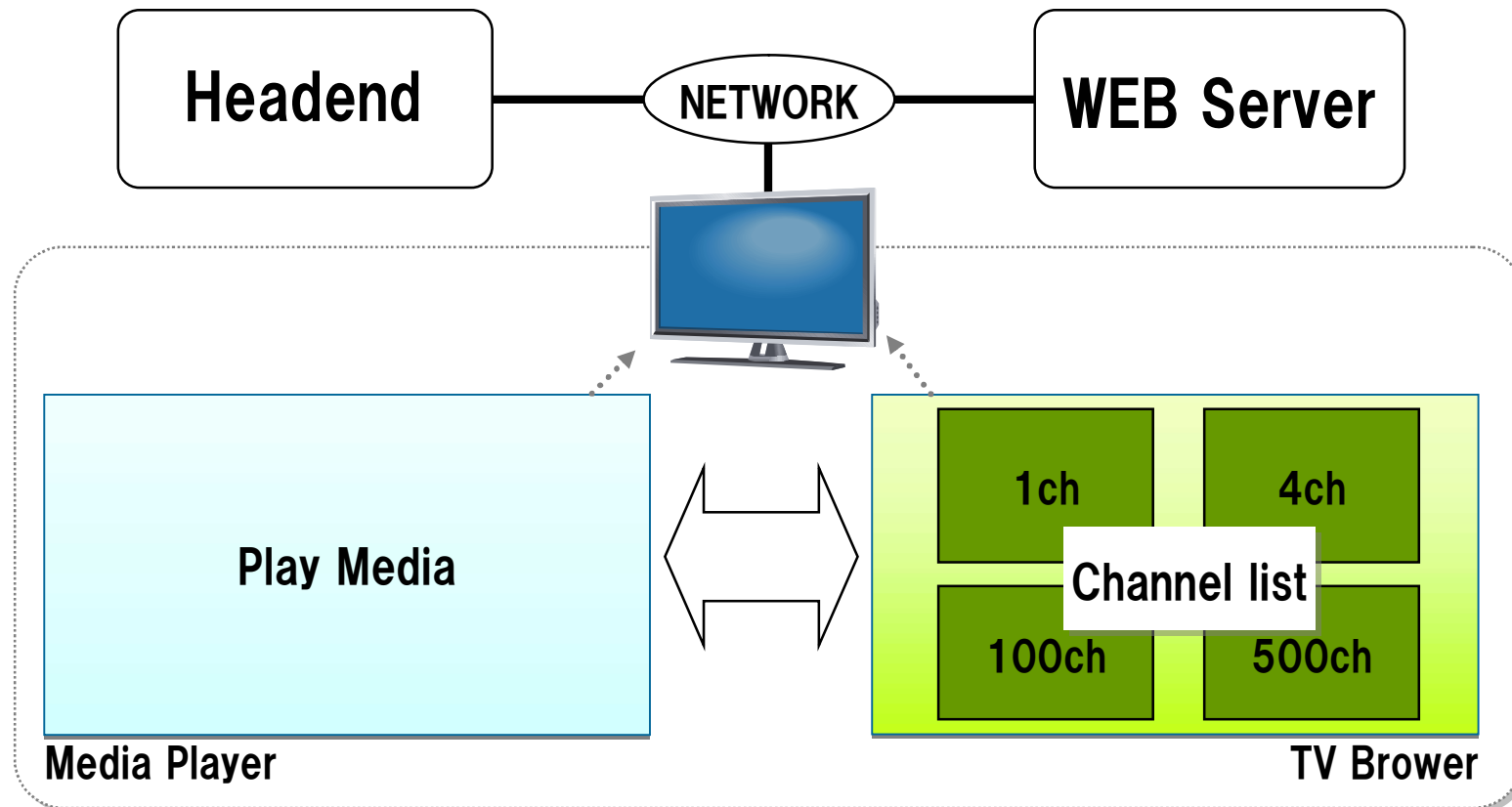
- **Structure of IPTV System**
- **STB Functions relating to "Web on TV"**
- **Sample use case 1 : Channel selection**
- **Sample use case 2 : Electronic Program Guide (EPG)**
- **Sample use case 3 : Recording reservation**



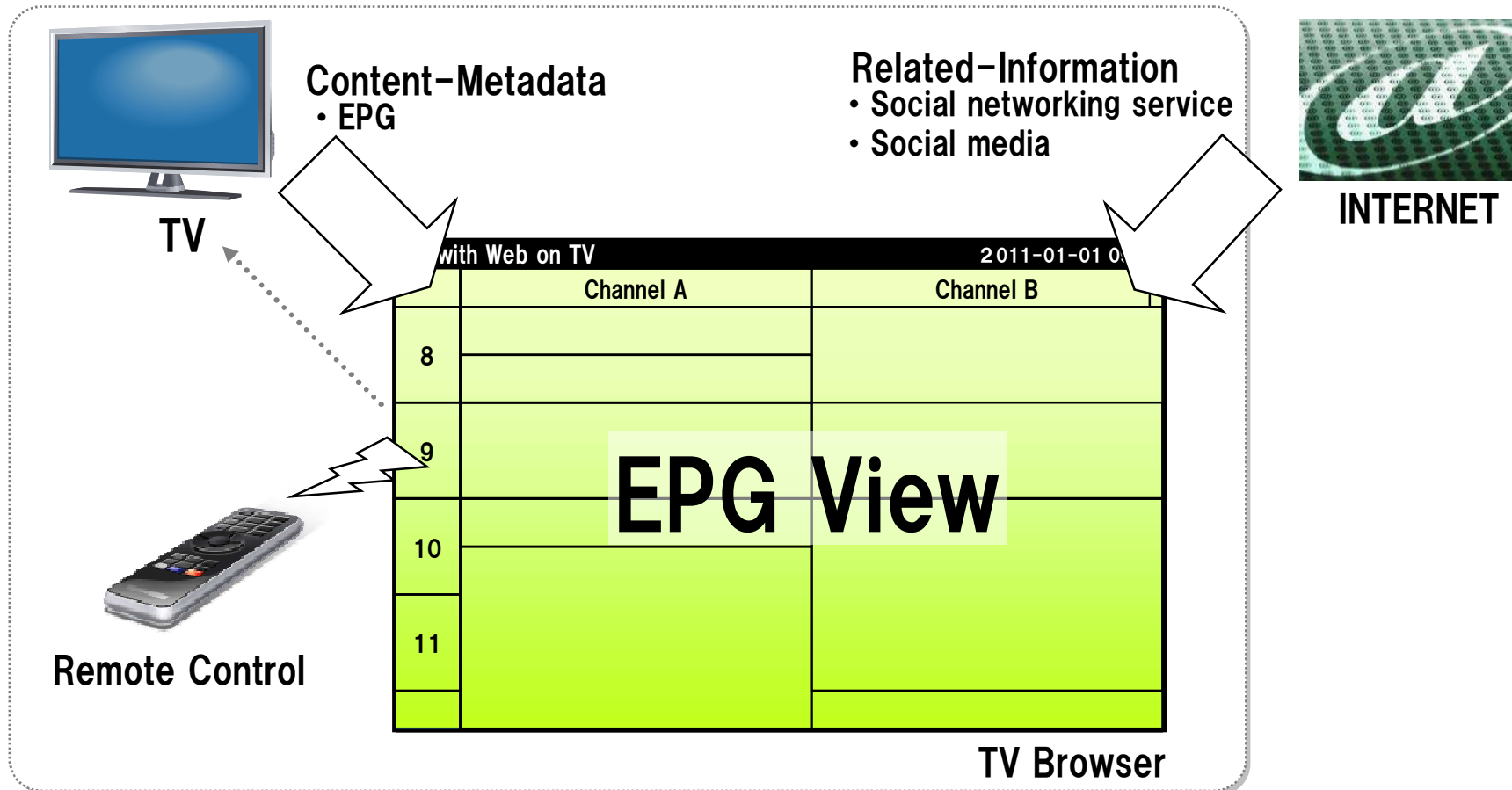
**To implement STB UI using "Web on TV",
The following functions are necessary.**

STB provides the following functions on IPTV.

- **Channel selection** ...Sample Use case 1
- **Electronic Program Guide (EPG)** ...Sample Use case 2
- **Electronic Content Guide (ECG)**
- **Recording reservation** ...Sample Use case 3
- **Playing recorded contents**
- **Parental control**
- **Remote control**
- **Digital rights management (DRM)**
- **Conditional Access System (CAS)**

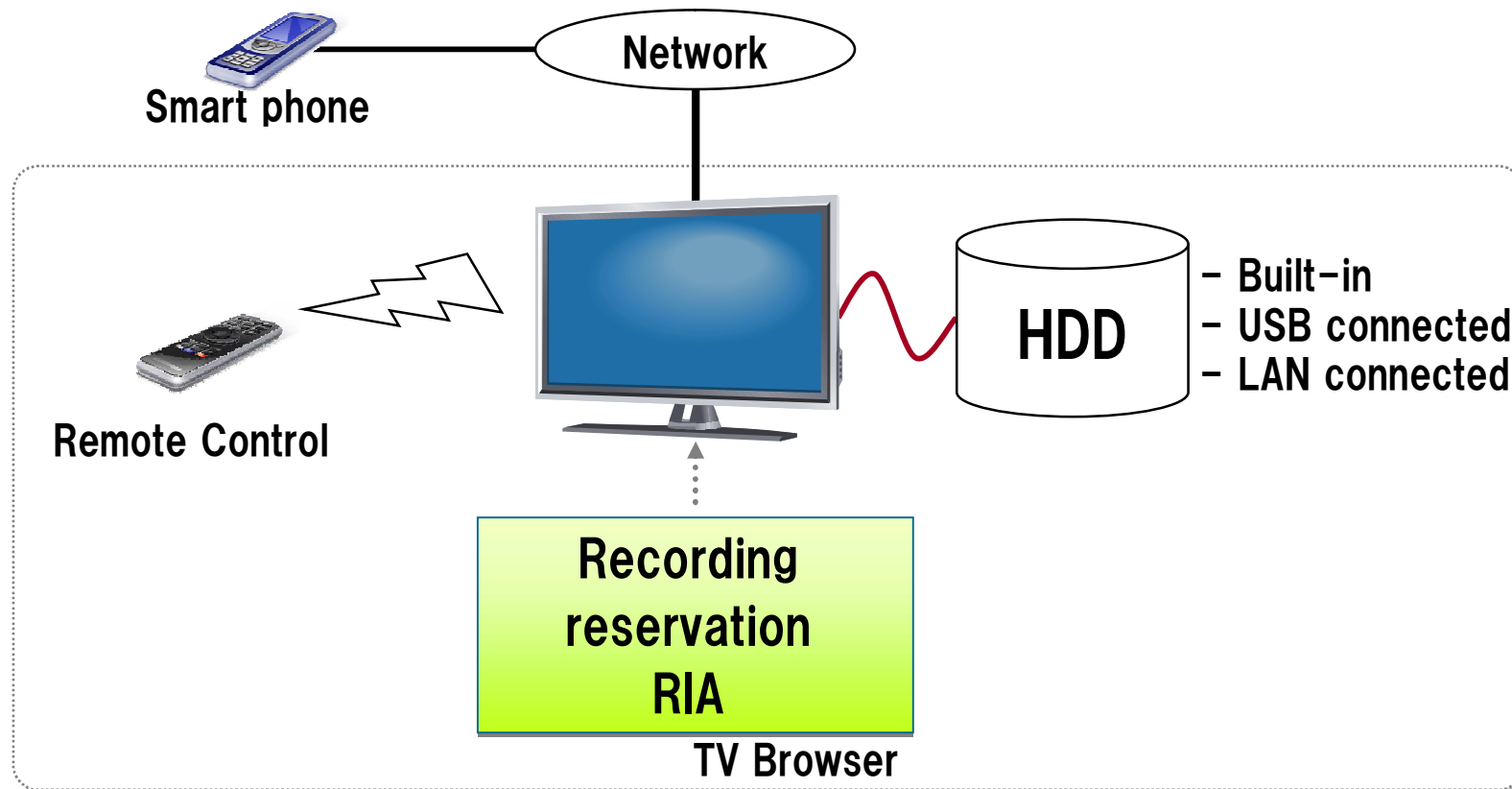


- A browser displays the channel list stored in the TV set.
- Users select the channel on a browser.
- The TV tune in to the channel by a browser call.



- A browser receives user operations from remote control.
- A browser integrates and displays content-metadata and related-information.

* EPG-rights issue to be discussed.



- Users make a recording reservation through a TV browser. (select program and storage)
- Users confirm the reservation status through a TV browser.
- Also through smart-phone browsers, users make a reservation, and confirm it.