



The Robots are coming!
(Testing Automation for Player Applications)

October 2016

FreeviewPlay is now  year old!!



VESTEL



500,000 devices by Christmas

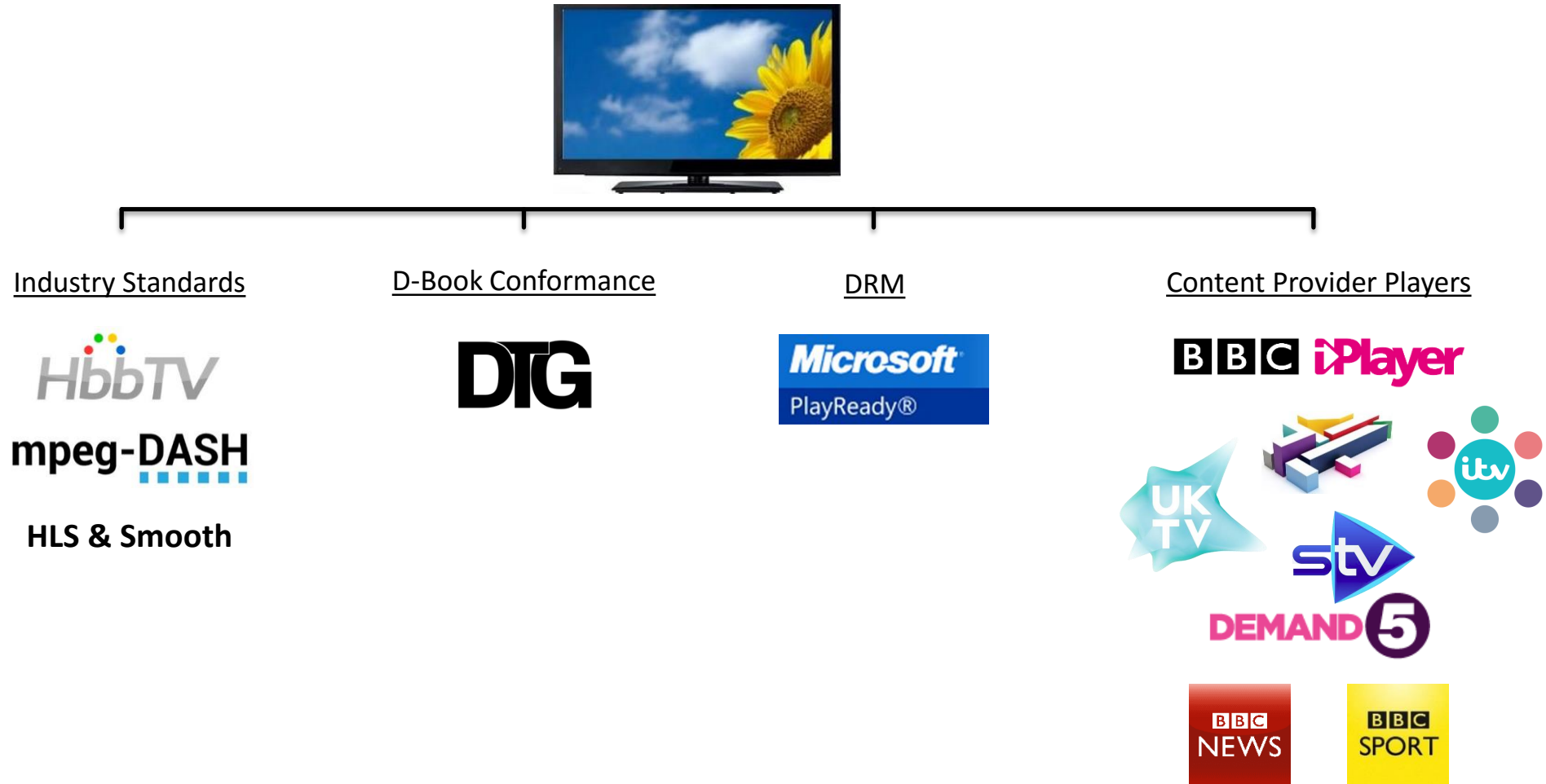
FreeviewPlay is now  year old!!



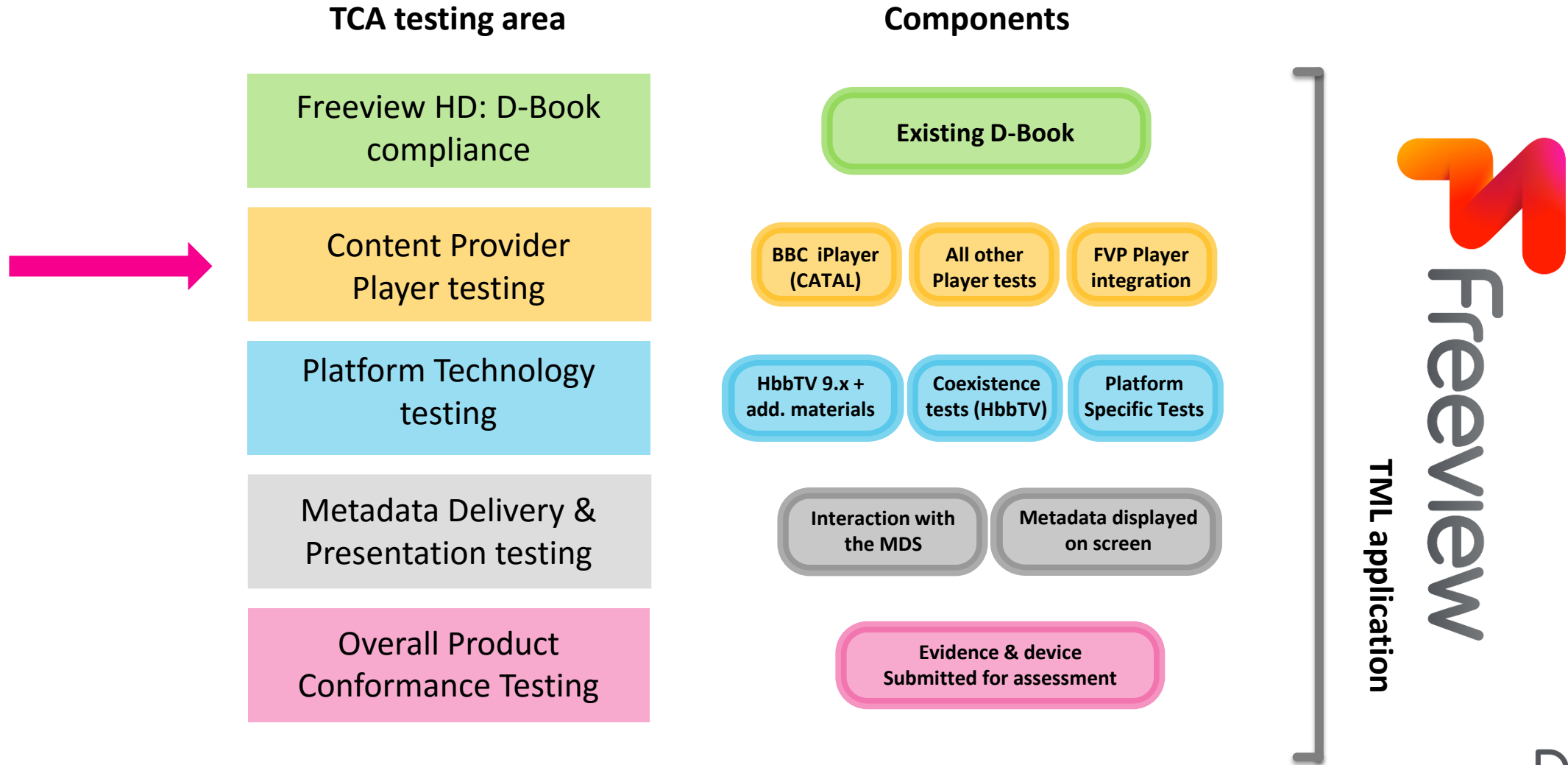
FreeviewPlay is now  year old!!



Testing of devices is still hard



Improved Player testing = improved platform



The robots are coming



Building a Freeview Play Zoo

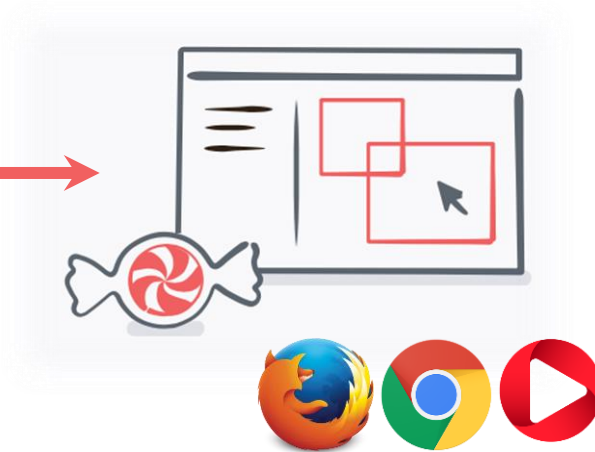


Test Authoring with Suitest

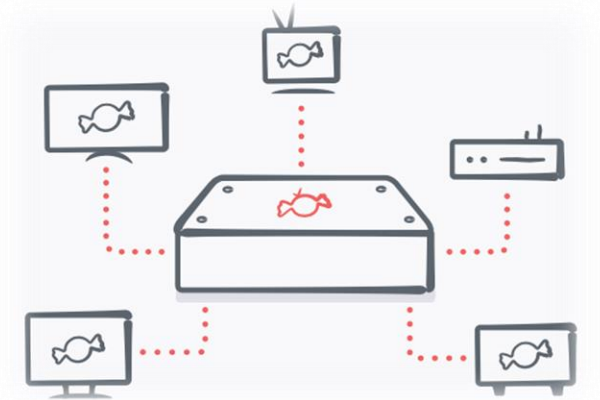
DigitalUK



Player tests are built in the Suitest emulator



and verified on real devices



Test Authoring with Suitest

The screenshot displays the Suitest test authoring interface. At the top is a toolbar with various actions: New, Save, More, Paste, Copy, Duplicate, Cut, Merge, Delete, Snippet, Select Element, Assert, Press, Snippet, Wait, Hold, Sleep, Clear data, Exec cmd, Open..., Add Note, Record Navigation, Freeze Screen, Schedule on devices, Preview HBBTV, and Help.

Below the toolbar, a status bar indicates: "Test succeeded on one device, planned on one device. Scheduled 3 days ago. [Go to test results](#)".

The test script consists of the following steps:

- Step 1:** Run test. Action: **Partial: homepage opened**. Frequency: **always**.
- Step 2:** Press **back** once.
- Step 3:** Wait until **App prompts to quit** has properties **T ...** but at most **2s**, then **continue**.
- Step 4:** Wait until **Yes focused** has properties **T ...** but at most **2s**, then **continue**.
- Step 5:** Press **down** once.

Test Authoring with Suitest

The screenshot shows a Firefox browser window displaying the UKTV Play website. The browser's address bar shows the URL `http://546b5wng-0.suitest.tv/?brand=default&model=fvp`. The website content is a green-themed page for the 'Dave' channel, featuring a 'CLASSIC COMEDY COLLECTION' with 15 episodes. A large white checkmark is overlaid on the central part of the page. On the right side, there are five white callout boxes with green checkmarks and text:

- ✓ Button pressed unknown key (224)
- ✓ Element "Collections Screen"
- ✓ Button pressed unknown key (16)
- ✓ Button pressed ENTER
- ✓ Button pressed RIGHT

The browser's taskbar at the bottom shows various application icons, including ANYWAYS.COM, Microsoft Office apps, and other utilities. The system tray on the right shows the date as '17' and the time as '16:42'.

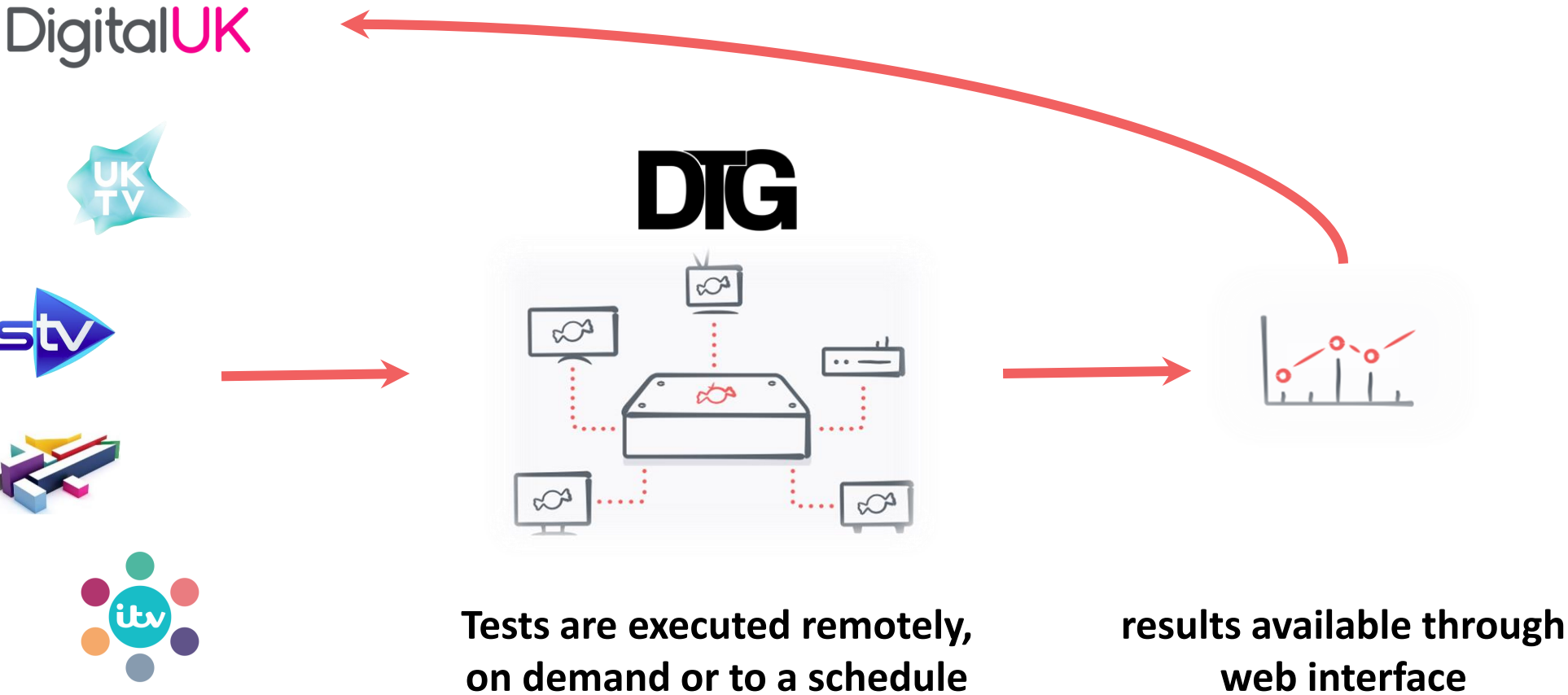
Test Authoring with Suitest

The screenshot shows a Firefox browser window with the address bar displaying `http://546b5wng-0.suitest.tv/?brand=default&model=fvp`. The page content includes the UKTV Play logo and a navigation menu with icons for Home, Collections, My List, and A-Z. A virtual keyboard is overlaid on the page, featuring keys for SPACE, DEL, and letters A-Z with their respective numeric positions. A large green bar with a white checkmark is positioned over the keyboard. On the right side, the Suitest test runner interface is visible, showing a 'Connected' status and a list of test results:

- ✓ Element "Search Text"
- ✓ Element "Space Button"
- ✓ Element "Search Screen"
- ✓ Button pressed unknown key (224)
- ✓ Button pressed unknown key (16)

The bottom of the image shows a Windows taskbar with various application icons, including ANYWAYS.COM, Microsoft Edge, and several system tray icons.

Application and Device Regression with Suitest



Application and Device Regression with Suitest



