

Ensuring receiver quality and guaranteeing the consumer experience



Digital TV Labs, an independent specialist digital media testing company

- Providing conformance regimes supporting services for Broadcaster Operators and Regulatory Authorities to a Global customer base
- Developing and delivering in-country DTT test laboratories for emerging markets
- Supporting certification programs for Trade Mark Licensing (TML's) and digital migration compliance
- Developing customised test material and testing services for the DVB receiver supply chain

Core skills & Experience;

- *In-depth knowledge of receiver testing*
- *Excellent track record of running broadcaster operator conformance regimes*
- *Extensive software library of DTV test materials*
- *Extensive knowledge and experience in testing processes, procedures and test environments*
- *Proven experience in establishing international test laboratories for DVB broadcast receivers*
- *Provided the SABS with the Evora test suite (as adapted by DTVL for the SANS 862 requirements)*
- *Close interaction with the global receiver supply chain.*



- A choice of receivers
- Low cost
- Easy to use
- Supports local language
- Access expected channels
- Picture and audio quality
- Responsive
- Interactive applications work (e.g. info services)
- Reliable
- Supports new services and network changes



Service Presentation

Time

Audio/Video

Service Signalling

RF Front-End

Input/Output

EMC -Safety

Live Network

IP Connectivity

Conditional Access

Over-Air Download

Service and Network Update

EPG

Interactive Engine

UI

Language Support



Manufacturers generally need

Pre-Development

- A published receiver specification
- Published TML conformance regime guidelines

During Development, Access to

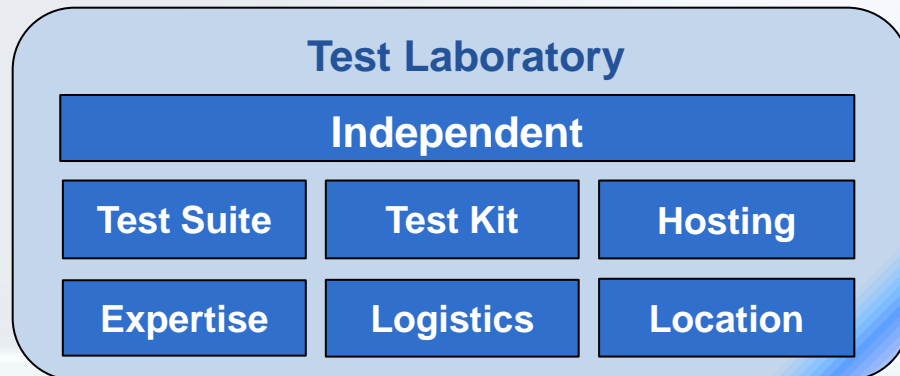
- The TML official test materials, for in-house receiver development purposes
- The accredited test laboratory for pre-certification testing, hosting and debugging services

For Certification

- Access to the accredited test lab for certification testing services, hosting and debugging services



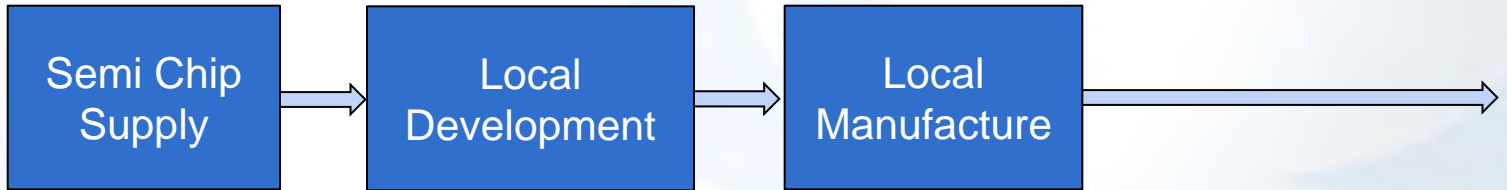
Turnkey SoC from semi



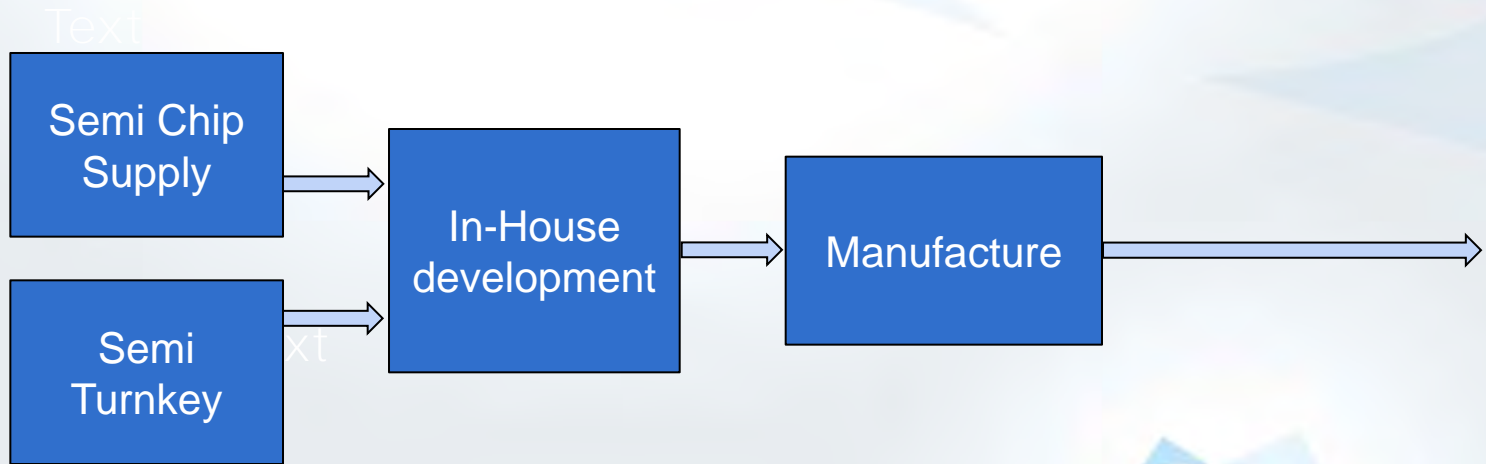
China
STB
Makers



Local
"Smart"
STB
Makers



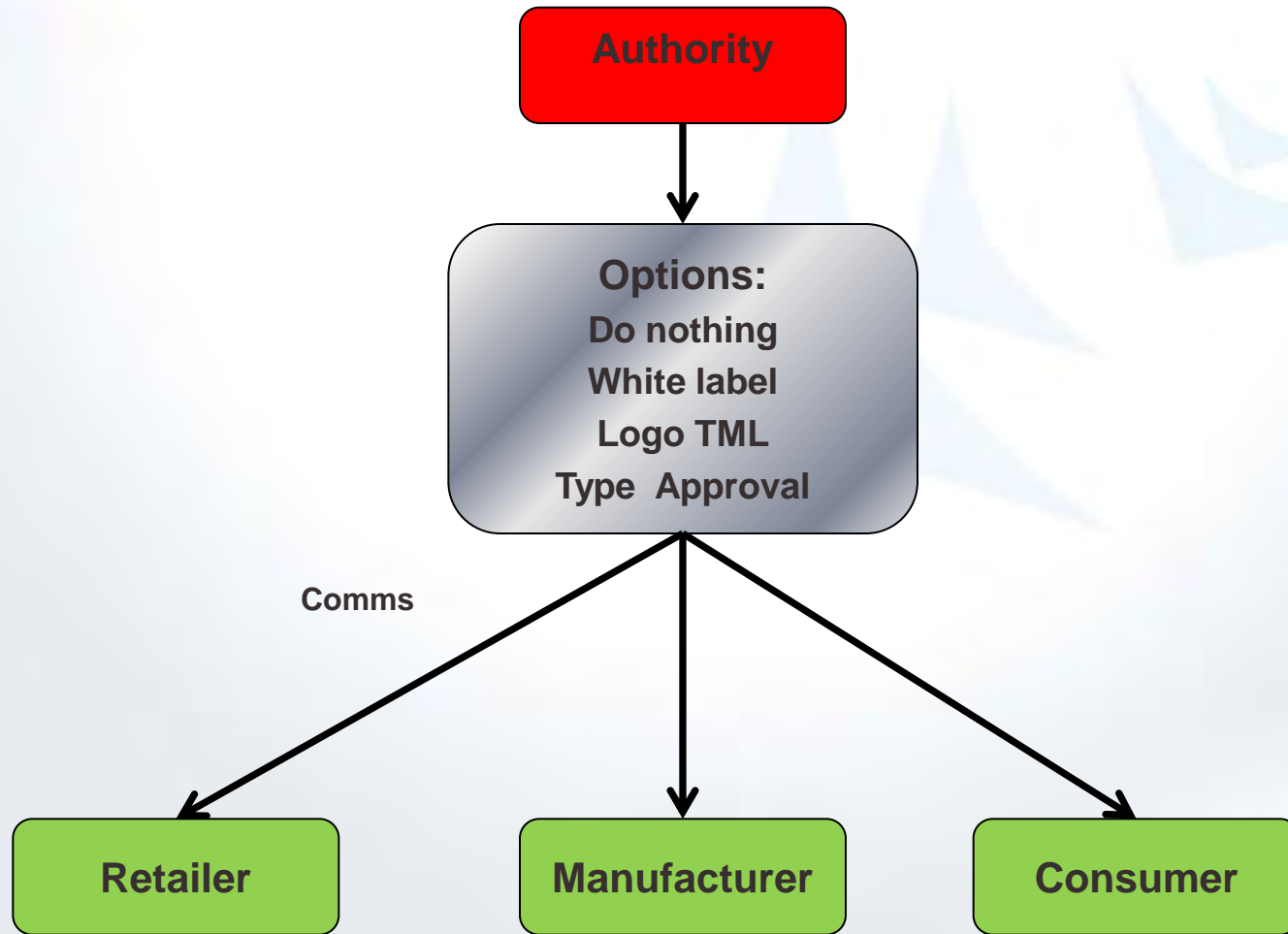
iDTV
Makers
ODM
And
Brand

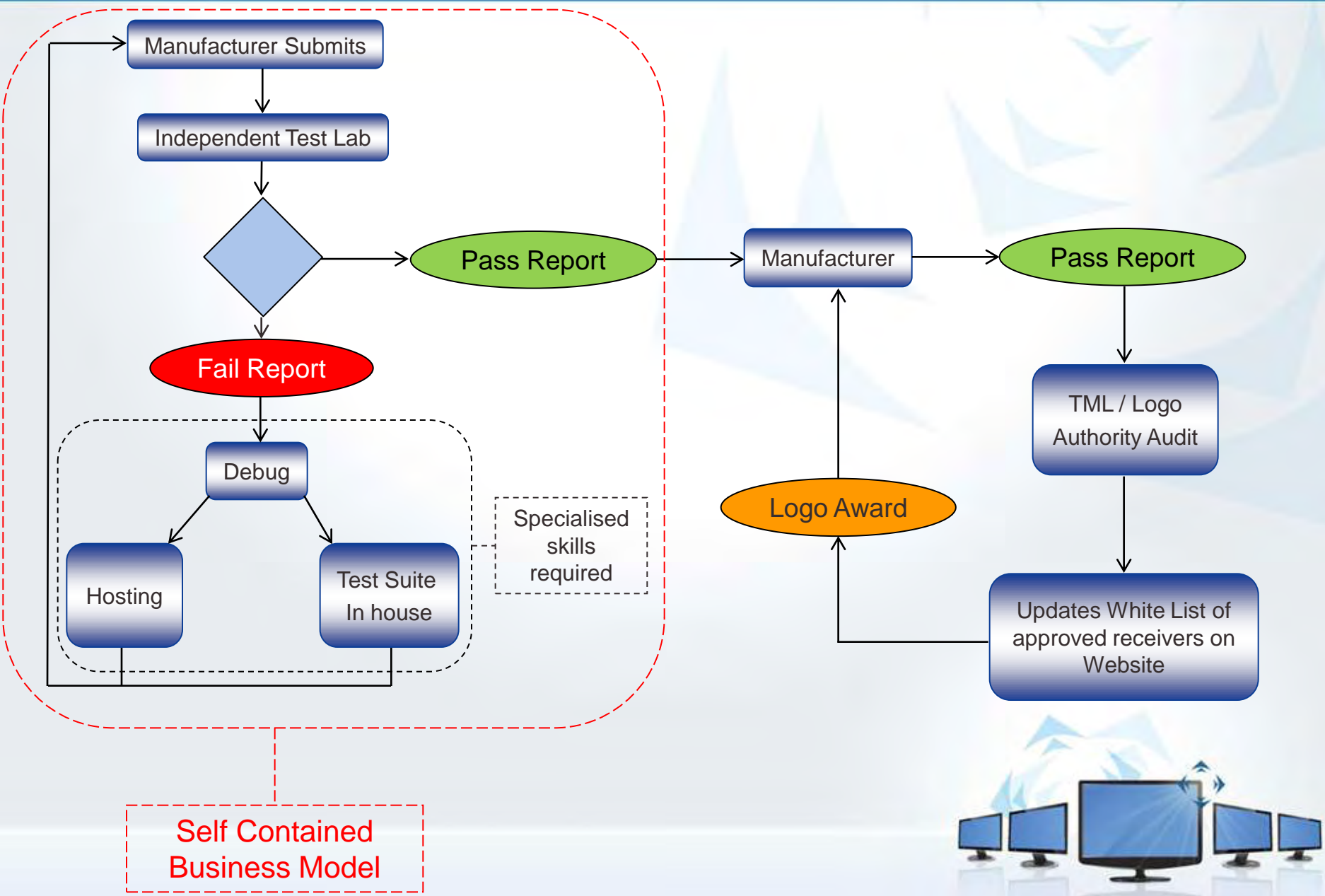




- Author & Publish the receiver specification
 - Keeping up to date with future changes in broadcasting rules of operations and new services being introduced
- Selecting a conformance model
 - This should consider both, STB's and iDTV's
- Develop all test materials to support the conformance regime
 - This should include the provisioning of test materials for silicon vendors and receiver manufacturers
 - Technical support services for the test material licensees
 - Keep up to date with changes in the official receiver specification
- Commission your own or appoint a test laboratory
- Announcing the conformance regime
 - Providing detailed instructions on how to register, where to apply for testing services and the process to follow when finally applying for the TML
- Guidance to manufacturers interested in the Logo to the test laboratory
- Manage the ongoing development of the conformance regime
 - Developing a concessions policy
 - Police the market







- **UK – MHEG Big Brother application fail - £1000's lost**
- **UK – Pay TV introduction broke lots of Freeview receivers**
- **Poland – EAC3 introduction causes issues**
- **France – Split NIT table breaks legacy receivers**
- **Denmark – Subtitling fail**
- **LTE 4G - Channel 69 overloads many TV tuners (BBC tests)**
- **Kenya - Still selling DVB-T receivers in DVB-T2 market**
- **France – Receivers failure on triple offsets**
- **EU - Wide incorrect channel list due to border issues**



Paul.higuera@digitaltv-labs.com





digital tv innovations

Who are DTVI?

DTVI is a broadcasting technology solutions provider based in South Africa

Our Company

- DTVI Technologies Pty (Ltd) is the African partner to Digital TV Labs in the UK
- It is a 100% Black Women owned company; aiming to create new jobs and have the youth participate in the main stream economy of their respective countries through the digital migration
- It is the only privately owned company offering pre-conformance testing services in the country and in the continent of Africa
- DTVI's philosophy is to be an independent broadcast technology service provider and therefore is not associated to any broadcaster, manufacturer or any other company in South Africa. Our integrity lies in our independence.



Our Services

- STB Conformance & Testing
- EPG Managed Services
- Consulting
- Training

Our Clients

- STB Manufacturers
- Industry Regulators
- Broadcasters

