

DEPARTMENT FOR BUSINESS, INNOVATION AND SKILLS QUALITY BENCHMARK FOR DIGITAL RECEIVERS AND DIGITAL RECORDERS

This document sets out the quality benchmark for digital receivers and digital recorders to be certified by the digital switchover Certification Marks (commonly referred to as the 'digital tick' logo). It should be read in conjunction with the terms of the digital TV equipment authorised user licence which can be found at: <http://www.digitallogo.co.uk/pdf/equipment.pdf>. No-one may use the 'digital tick' logo without successfully applying for an authorised user licence.

The Quality Benchmark for Digital Receivers

Digital receivers designed to provide access to digital terrestrial television (known as DTT digital receivers) must be capable of demodulating 16 and 64 QAM and 2k and 8k signals and must meet the required standards of the following BIS recognised industry test suites and processes¹:

- RF test process
- AFD test suite
- SI/PSI test suite
- MHEG test suite
- Subtitle test suite and
- Time Exclusive Services test suite.

The minimum criterion for DTT digital receivers and digital recorders to be registered for the first time is the UK Profile of MHEG 5 v1.06 as determined by the corresponding MHEG test suite¹.

From 31 July 2007, the following criteria also apply to digital receivers being registered for the first time:

- the published product specification for DTT digital receivers must declare the standby power consumption, as measured in accordance with the procedures within BS EN 62087:2003 'Methods of measurement for the power consumption of audio, video and related equipment'. When registering such a product for the first time for the 'digital tick', the standby power consumption must be notified to the Digital Logo Scheme administrator;
- the information on digital switchover in the attached Annex must be made available with DTT digital receivers, either as a separate leaflet or incorporated into the product instruction manual;
- the product instruction manual for DTT digital receivers must meet the following criteria:
 - clear and legible typeface (e.g. Arial, Bookman, Foundry Form, Garamond, Gill Sans, Helvetica, Palatino, Times), not highly stylised or ornate fonts that are less easy to read (e.g. Apple Chancery, Braggadocio, Brush Script, Curlz MT, Desdemona, Edwardian Script, Sand, Textile)²;
 - where the manual has to cover different languages, these should be presented in separate sections, complete with diagrams;

¹ Available from DTG Testing Limited

² This is based on advice from the RNIB publication 'See it Right' (ISBN 1 85878 704 1 978 1 85878 704 6)

- a single model should be covered in the manual, unless differences between the models covered are small or cosmetic;
- sources of further help and advice to be displayed prominently near the front or back of the manual.

From 1 January 2009, the following criteria also apply to digital receivers being registered for the first time:

- within three months of the product registration applicants must provide a electronic copy of the product instruction manual, with confirmation that the information on digital switchover in the attached Annex has been made available to consumers, either as a separate leaflet or incorporated into the product instruction manual.

From 1 January 2010, the following criteria also apply to digital receivers being registered for the first time:

- applicants must provide test reports showing that the product meets the required standards of BIS recognised industry test suites and processes¹;
- applicants must provide a working representative sample of any new product not currently listed on a BIS recognised testing facility equipment database.

From 1 September 2010, the following criteria also apply to digital receivers being registered for the first time:

- the product must be capable of receiving and implementing over air downloads (OAD). The product shall be able to receive OAD updates from any multiplex with minimal interruption to the viewer; to systematically search for such updates automatically; and to ensure that it only downloads software updates with a higher version number than it currently uses.

The Quality Benchmark for Digital Recorders

Digital recorders designed to be used to record digital terrestrial television (known as DTT digital recorders) must be capable of demodulating 16 and 64 QAM and 2k and 8k signals and must meet the required standards of the following BIS recognised industry test suites and processes¹:

- RF test process and
- AFD test suite

From 31 July 2007, the following criteria also apply to DTT digital recorders being registered for the first time:

- the published product specification for DTT digital recorders must declare the standby power consumption, as measured in accordance with the procedures within BS EN 62087:2003 'Methods of measurement for the power consumption of audio, video and related equipment'. When registering such a product for the first time for the 'digital tick', the standby power consumption must be notified to the Digital Logo Scheme administrator;
- the information on digital switchover in the attached Annex must be made available with DTT digital recorders, either as a separate leaflet or incorporated into the product instruction manual;

- • the product instruction manual for DTT digital recorders must meet the following criteria:
 - clear and legible typeface (e.g. Arial, Bookman, Foundry Form, Garamond, Gill Sans, Helvetica, Palatino, Times), not highly stylised or ornate fonts that are less easy to read (e.g. Apple Chancery, Braggadocio, Brush Script, Curlz MT, Desdemona, Edwardian Script, Sand, Textile)²;
 - where the manual has to cover different languages, these should be presented in separate sections, complete with diagrams;
 - a single model should be covered in the manual, unless differences between the models covered are small or cosmetic;
 - sources of further help and advice to be displayed prominently near the front or back of the manual.

From 1 January 2009, the following criteria also apply to DTT digital recorders being registered for the first time:

- within three months of the product registration applicants must provide a electronic copy of the product instruction manual, with confirmation that the information on digital switchover in the attached Annex has been made available to consumers, either as a separate leaflet or incorporated into the product instruction manual.

From 1 January 2010, the following criteria also apply to DTT digital recorders being registered for the first time:

- applicants must provide test reports showing that the product meets the required standards of BIS recognised industry test suites and processes¹;
- applicants must provide a working representative sample of any new product not currently listed on a BIS recognised testing facility equipment database.

From 1 September 2010, the following criteria also apply to DTT digital recorders being registered for the first time:

- the product must be capable of receiving and implementing over air downloads (OAD). The product shall be able to receive OAD updates from any multiplex with minimal interruption to the viewer; to systematically search for such updates automatically; and to ensure that it only downloads software updates with a higher version number than it currently uses.

ANNEX: RE-TUNING LEAFLETS FOR TELEVISIONS AND FREEVIEW BOXES

The artwork for these leaflets is available to equipment licence holders for download in the members area on the Digital Logo Scheme website at www.digitallogo.co.uk.