

# CTA Bulletin

**DTV Recommended Practice for Locating and Navigating among ATSC Television Channels  
(Including PSIP Recommendations)**

**CTA-CEB12-B R-2015**

**(Formerly CEA-CEB12-B R-2015)**

**April 2010**



**Consumer  
Technology  
Association**

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(Formulated under the cognizance of the CTA **R4.3 Television Data Systems Subcommittee**.)

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# **DTV Recommended Practice for Locating and Navigating among ATSC Television Channels (Including PSIP Recommendations)**

## **1 Scope**

This bulletin, CEA-CEB12-B, provides guidance for the development and implementation of Advanced Television Systems Committee (ATSC) Program and System Information Protocol (PSIP)-compliant receivers, cable-ready DTV receivers, personal recorders and other consumer electronics devices. It includes recommendations and suggestions for device functionality. CEA-CEB12-B should in no way prohibit consumer device manufacturers from including additional features, and CEA-CEB12-B should not be interpreted as recommending an upper limit to device performance.

Numerous possible PSIP implementation scenarios could be considered. However, CEA-CEB12-B does not include an exhaustive classification of the possibilities; rather, some simpler scenarios are addressed.

CEA-CEB12-B assumes that the user sets up the receiver without professional assistance, and that setup is menu-driven, simple, and mostly automatic. It is possible, however, that receivers may be professionally installed and set up by trained technicians.

CEA-CEB12-B does not currently address receivers that have built-in satellite receiving capability, nor receivers that access EPG databases using phone lines. Nor does it address cable set-top boxes, satellite boxes, VCRs, DVD players, or other auxiliary devices or connections.

CEA-CEB12-B uses the terminology defined in ATSC A/65, and should be read in conjunction with ATSC A/65.

NOTE—Designers should be aware that there are FCC regulations that may apply to functions described in this CEA-CEB12-B; and while every reasonable attempt was made to have this CEA-CEB12-B conform to those regulations in place as of the date of publication, implementers are cautioned to read and understand all applicable regulations.

## **2 References**

Designers are encouraged to use the most recent editions of the reference standards listed here.

### **2.1 Informative References**

The following standards contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

#### **2.1.1 Informative Reference List**

ATSC A/53:2007, ATSC Digital Television Standard, Parts 1-6

ATSC A/65D, Program and System Information for Terrestrial Broadcast and Cable, 2009

CEA-608-E, Line 21 Data Services, April, 2008

CEA-708-D, Digital Television (DTV) Closed Captioning, August, 2008

ANSI/CEA-766-C, U.S. and Canadian Rating Region Tables (RRT) and Content Advisory Descriptors for Transport of Content Advisory Information Using ATSC Program and System Information Protocol (PSIP), April, 2008