

Description of Proposed Amendment to A/53C

This document provides a description of changes contained in the proposed amendment to A/53C with Amendment No. 1 and Corrigendum No. 1, as detailed in TSG-614. This summary does not necessarily describe all of the details and ramifications of the draft amendment. Readers are encouraged to carefully review the details of the proposed changes to make their own assessment.

1. OVERVIEW

TSG-614 adds a new Annex G to the ATSC Digital Television Standard (A/53). This new Annex specifies high efficiency audio coding for robust mode transmission over E-VSB. The high efficiency audio codec, E-AC-3, is fully specified in Annex E of A/52B, which has been approved by the ATSC membership and will be published shortly.

This new Annex G enables the use of E-AC-3 in the robust mode transmission of E-VSB, and specifies the constraints placed on E-AC-3 when it is used in the robust mode. This new Annex does not specify or enable the use of E-AC-3 in the main 8-VSB transmission. Annex G is similar to A/53 Annex B, which specifies use of AC-3, along with constraints on that use, in the ATSC DTV system.

2. DOCUMENT HISTORY

TSG-614 was approved for ballot by the ATSC Technology and Standards Group on 9 May 2005 on the condition that it first be reviewed by TSG/S6 to make sure the document conformed with the proposed changes contained in PS-52B, which was then at membership ballot. On 23 May 2005 TSG/S6 considered this question and reached consensus that the document was ready for ballot.

TSG-614 was previously a Candidate Standard (CS/T3-614). It was elevated to CS status on 2 April 2004 by TSG. A revision of the document, CS/T3-614A, was approved by TSG on 8 September 2004. CS/T3-614A was at CS status until 9 May 2005, when TSG authorized a letter ballot as a Proposed Standard. The TSG ballot was approved on 22 June 2005. Editorial comments were received and resolved prior to issuance of the membership ballot.