

ETDSS Release Notes

22 December 2020



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Media Perspectives

Hilversum

The Netherlands

Reference: Event Triggering Workgroup

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1 Introduction

This document contains the release notes of the document 'Event Triggering Distribution Specification Supplement (ETDSS)'.

2 Updates

29 January 2019

1. Section 4.5 – Heartbeat – Improved text – The cycle of heartbeats should be restarted at presence of other messages.
2. Section 4.9 – Sample events – Added: Figure 5 – Displays the application of segment numbering.
3. Section 5.2.1 – Base message – Scheduled – Improved description of pre-roll.
4. Section 5.3.1 – Base message – Immediate – The `time_signal_request_data()` descriptor was missing – Corrected.

3 June 2019

1. Section 2 – References – Updated compliancy of SCTE 35.
2. Section 4.5 – Message composition – Managed Private UPID (type 0x0C) added as preselected UPID type.
3. Section 5 – Message composition SCTE 35 – Corrected: `descriptor_length` in Content Identification parts.
4. Section 5 – Message composition SCTE 35 and SCTE 104 – Exchanged private data, corresponding to the table in section 5.1.
5. Section 5.1 – Introduction – Improved text and rearranged table – Added: Explanation about null-terminated string.
6. Section 6.1 – Operator specific identifiers – Introduction – Improved text.
7. Section 6.2 – Operator specific identifiers – Added: Specification for broadcast organisation NPO.
8. Section 7 – Abbreviations – Updated.

8 November 2019

1. Section 3.2 – Generation and distribution – Minor text improvements.
2. Section 4.3 – Segmentation – Improved text – The word 'interstitial' referred to promos and commercials. However, 'interstitial' appeared to be defined in SCTE 130-3 as 'between entertainment content'. To avoid interference, the word is replaced by 'Advertisement'. This is not ideal as it covers promotional items as well, but it does follow current versions of the relevant SCTE-standards wherein no distinction exists.

3. Section 4.3 – Segmentation – This version introduces the replacement of programs. In order to distinguish the specific use case examples in section 5 without using the more generic term 'Placement Opportunity', they are identified by means of 'Program Replacement Opportunity' and 'Ad Replacement Opportunity' respectively. Nevertheless, both make use of the segmentation_type_id 'Placement Opportunity' to signal such an event.
4. Section 4.4 – Identification – Minor text improvement.
5. Section 4.6 – Heartbeat – Improved text – The words 'the latest' added in order to emphasize that the Heartbeat is a copy of the most recent transmitted Content Identification message.
6. Section 4.7 – Timestamp – Improved text – Added: Explanation to emphasize that exact timing of Heartbeats is irrelevant.
7. Section 4.10 – Sample events – Added: Figure 2 to indicate a Program Replacement Opportunity.
8. Section 5 – Applied composition – Added: Examples for Program Replacement including textual updates and added parameters in section 5.1 to support these new use cases.
9. Section 5 – Applied composition – Small corrections in the numbering of Breaks and Chapters to make them in agreement with the other examples.

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1. Table of Content – Addition of Preamble and the table itself.
2. All – Text harmonised with the latest SCTE 35. Examples:
 - a. 'Content provider' instead of 'broadcaster'.
 - b. Improved relation to other distribution forms than linear TV only.
 - c. Emphasis on alteration of content rather than replacement only.
3. All – Improved uniformity. Examples:
 - a. 'Chapters within the Program' equal to 'Placement Opportunities within the Break' which was already present in the document.
 - b. More straightforward use of quotation marks such as End messages instead of 'End' messages.
4. All – Change of default UPID from AiringID into Universally Unique Identifier.
5. All – Updates with regard to the addition of Promo Start/End and Alternate Content Opportunity Start/End.
6. All – Pages now contain a link in the footnote to simplify an immediate jump to the Table of Content. This facilitates quicker navigation.
7. All – Several textual and layout improvements.

8. Section 1 – Introduction – Applications moved to Section 3.
9. Section 3.3 – Generation and distribution – Improved Figure 1 with regard to the presence of Video-on-Demand applications in the block of the third distribution form.
10. Section 3.3 – Generation and distribution – Improved text of the enumeration which describes Figure 1.
11. Section 4.3 – Segmentation – Breaks partly assigned to a Program must be split into at least two Breaks.
12. Section 4.3 – Segmentation – Improved definitions. Addition of Promo and Alternate Content Opportunity.
13. Section 4.4 – Identification – The summary of segmentation types is now combined with the listing of Section 4.5.
14. Section 4.5 – Message composition – Grouping of related segmentation types to improve interpretation and readability.
15. Section 4.10 – Sample events – Updated Figure 6 with regard to the addition of Promo Start/End and Alternate Content Opportunity Start/End. The diagram now replaces Figures 2-5 as it partly overlapped functionality. Previous Figure 6 is therefore renamed into Figure 2.
16. Section 5.2-5.3 – Base message scheduled and immediate – Removed: Provider specific 'multiple_operation_message' part as it depends on local design.
17. Section 5.8.2 – Message composition SCTE 35 – Added: Missing duration.
18. Section 6 – Operator specific identifiers – Removed: Contact person.
19. Section 6.4 – Operator specific identifiers – Talpa TV Broadcasting – Expression of AiringID changed into hexadecimal format. Its numeric value is now printed between brackets. Improved compliancy with SCTE 35.