ATSC Standard:
A/360:2023-08 Amendment No. 1,
“MMT Signing”

Doc. A/360:2023-08 Amend. No. 1
12 December 2023
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Revision History

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1. OVERVIEW

1.1 Definition
An Amendment is generated to document an enhancement, an addition or a deletion of functionality to previously agreed technical provisions in an existing ATSC document. Amendments shall be published as attachments to the original ATSC document. Distribution by ATSC of existing documents shall include any approved Amendments.

1.2 Scope
This document adds clarity related to signal signing for emissions using the MMT protocol. This amendment is in response to New Project Proposal N-066r0, “MMT Signing Improvements.”

1.3 Rationale for Changes
The changes described in this document are being proposed to improve the clarity of signal signing for use with the MMT protocol.

1.4 Compatibility Considerations
The changes described in this document are informative and do not affect compatibility.

2. LIST OF CHANGES
Change instructions are given below in italics. Unless otherwise noted, inserted text, tables, and drawings are shown in blue; deletions of existing text are shown in red-strikeout. The text “[ref]” indicates that a cross reference to a cited referenced document should be inserted.

2.1 Normative References
No changes proposed.

2.2 Informative References
No changes proposed.

2.3 Acronyms and Abbreviations
No changes proposed.

2.4 Terms
No changes proposed.

2.5 Change Instructions
Update Section 5.2.2.5 as follows:
5. [PLACEHOLDER]

5.2 [Placeholder]

5.2.2 [Placeholder]

5.2.2.5 Signatures for MMT Messages

The broadcaster signature of an MMT message is applied to MMTP packets carrying signaling messages and MA3 messages and not to MMTP packets carrying Assets. The signature is applied across message_instance(), the entire MMT message (not including the signature) as described in A/331 [26], and shall be carried in a CMS Signed Data (RFC 5652 [13]) structure with the following characteristics:

1) The characteristics specified in Section 5.2.2.1 above.
2) The SignerIdentifier shall match either the CurrentCert or, if present, the NextCert.

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