



**ATSC**

ADVANCED TELEVISION  
SYSTEMS COMMITTEE

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

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

**Advanced Television Systems Committee**  
1300 I Street, N.W., Suite 400E  
Washington, D.C. 20005  
202-872-9160

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### Revision History

Version	Date
Amendment approved	12 December 2023

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

### **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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