ATSC Standard: A/344:2019 Amendment No. 6, Remove JavaScript Sample Code

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Revision History

Version	Date
Amendment approved	24 December 2019

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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 removes the sample JavaScript code fragments and associated text from Section 8.2.

1.3 Rationale for Changes

There are two JavaScript code samples provided in Section 8.2 to demonstrate how various query terms are extracted from the URL that launched the Broadcaster Application and then used. The first code sample demonstrating the extraction of the query terms is difficult to understand and cannot be used directly since it does not provide robust error handling. The second code sample is not complete and shows only limited information that anyone familiar with JavaScript programming would not find particularly helpful. In fact, these two code samples have been used directly in implementations resulting in problems in the resulting Broadcaster Applications.

Removing these code samples will make the document clearer and easier to read. The code will not help proficient JavaScript programmers and may cause issues if used directly. Providing usable code samples, even as examples, would prove difficult and is beyond the scope of the document so removing these two fragments is the most prudent course of action.

1.4 Compatibility Considerations

This amendment is backwards compatible since the two samples are not normative and may cause confusion, removing them and their associated text will not impact any current implementations.

2. LIST OF CHANGES

Change instructions are given below in *italics*. Unless otherwise noted, inserted text, tables, and drawings are shown in red (due to base standard text coloring); 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.

Remove the sample JavaScript code and supporting text from Section 8.2 as follows:

~~The following shows sample JavaScript illustrating how the `wsURL` parameter can be extracted from the query string:~~

```
function getWSurl () {
    var params = window.location.search.substring(1);
    var result = 'ws://localhost:8080'; // Default value if desired
    params.split("&").some(function (part) {
        var item = part.split("=");
        if (item[0] == 'wsURL') {
            result = decodeURIComponent(item[1]);
            return true;
        }
    })
    return result;          // Returns 'wss://localhost:8000'
}
```

A similar function could also be created to extract the revision number. Once the URL of the WebSocket server is discovered in this way, it can be used to open a connection to the WebSocket server.

Similarly, remove the sample JavaScript code and supporting text from Section 8.2.1 as follows:

The following shows sample code that implements a connection to the command and control WebSocket server using the value passed in the `wsURL` parameter and the `getWSurl()` function described above:

```
function setWebSocketConnection () {
    var wsURL = getWSurl()+'/atscCmd';
    myCmdSocket = new WebSocket(wsURL);
        // New WebSocket is created with URL = 'wsURL/atscCmd'
        // Note the default would be 'wss://localhost:8080/atscCmd'
    myCmdSocket.onopen ...
}
```

– End of Document –