

# MXFMetaUpdater

## Specification Sheet

Version 1.4  
June 2004





This information is subject to change without prior notice.

Uses the MXF::SDK developed in co-operation with Institut für Rundfunktechnik GmbH,  
[www.irt.de](http://www.irt.de).

## Table of Contents

Overview .....	5
ActiveX Interface Specification .....	6
Methods.....	6
updateMXF .....	6
Properties .....	6
dictionaryFile .....	6
writeRIP .....	7
References .....	8

## Overview

Let's assume you have an MXF file and you want to update the Metadata already in the file. Do you need to “unwrap” and then “wrap” it again? This could take some time depending on the size of the file... The **MXFMetaUpdater** is a binary component for Microsoft Windows® that updates Metadata in MXF [1] files without the need to reconstruct the file, making the operation extremely efficient.

Both Structural and Descriptive Metadata can be updated and a dictionary is used to interpret Descriptive and/or Structural Metadata passed in XML format to the **MXFMetaUpdater**.

The **MXFMetaUpdater** is available either as an ActiveX® component or as a C++ library.



The following section details the **MXFMetaUpdater** ActiveX® interface, while the C++ interface description can be found in [3].

## ActiveX Interface Specification

### Methods

#### updateMXF

Method	
Update the current MXF file, depending on the current properties.	
Return	
HRESULT	S_OK
Parameters	
BSTR mxfFile	Path to the MXF file to update.
BSTR metadataContent	<p>The XML document containing the Structural and possibly Descriptive Metadata that will be used to generate the file. The XML Schema for the XML files is shipped with the <b>MXFComponentSuite</b>, as well as overview documentation[2].</p> <p>Note that this is a pointer to a buffer holding the XML data in text format, not a filename.</p>
SHORT* retValue	Result code. 1 if something failed and 0 (zero) if Ok.

### Properties

#### dictionaryFile

Property	
The path to the binary form of the MXF dictionary (e.g. mxf_file.bin). See [2].	
Type	BSTR
Default	""

### writeRIP

Property	
If true, the Random Index Pack will be included in the Footer.	
Type	SHORT
Default	True

## References

- [1] SMPTE 377M, *Material Exchange Format (MXF) File Format Specification (Standard)*, 2003.
- [2] MOG Solutions, *XML Schema for MXF Metadata*, 2003.
- [3] MOG Solutions, "MXFComponentSuite C++ API Reference"