



AMWA Application Specifications

How They Fit An Advanced Media Workflow

The AMWA develops application specifications (AS) designed for the operational requirements of specific parts of media workflows. Each AS is a constrained version of MXF, and is intended to facilitate interoperability between the components and processes in the workflow. The vendor-neutral specifications include popular codecs and provide support for appropriate metadata.

⇒ AS-02 — MXF Program Versioning

This was developed to support storage and movement of MXF program components, to enable versions and inventories for use in a multi-version, multi-lingual, multi-delivery media environment.

Who should use it? Post-production, broadcasters, content aggregators and distributors.

Status: pending imminent release

⇒ AS-03 — Program Delivery

This specification is MXF optimized for program delivery and is intended for direct playout from a video server. This is based on a PBS profile for MXF program delivery.

Who should use it? Broadcast networks

Status: released

⇒ AS-10 — MXF for Production

Application specification AS-10 is geared towards establishing a common MXF file format for a typical end-to-end production workflow including camera acquisition, server acquisition, editing, playout, digital distribution and archive.

One example is the use of long GOP MPEG files. The project includes development of an application to validate files as an aid to QA processes.

Who should use it? Production and post-production, broadcasters, content aggregators and distributors.

Status: the AMWA is currently soliciting membership for this technical working committee.

⇒ AS-11 — MXF for Contribution

AS-11 is an MXF file format for the delivery of finished programming from program producers to broadcast stations or program origination facilities. Similar to AS-03, AS-11 should allow for codecs, which are MPEG up to 50Mb/s, and additionally MPEG or non-MPEG with bitrates of 50Mb/s or higher.

A contribution file is defined as less complete than a delivery file as specified by AS-03 and may require further processing before transmission.

Who should use it? Broadcasters, content aggregators and distributors.

Status: Under development. The AWMA welcomes the involvement of interested parties.

⇒ AS-12 — Commercial Delivery

AS-12 is a subset of the MXF file format for the delivery of finished commercials to broadcast stations or program origination facilities. The Specification provides for the association of slate and other metadata with the audio & video essence.

AS-12 provides for explicit identification of content that facilitates computer-assisted matching of commercial assets to the playlist from traffic.

Who should use it? Production and post-production, commercial distribution, broadcasters, cable networks

Status: Under development. The AWMA welcomes the involvement of interested parties.

