



Date 2017-10-26	<b>CEN/TC 457</b> <b>"Preservation of digital cinema movies"</b>
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## **Call for Tender for a Project Team Leader, Project Experts and for a Software Development Team for the preservation of digital cinema**

The project "Preservation of Digital Cinema" is aiming to find a data structure and a set of file formats for long term archiving of digital movies. The data structure is organized as archive information package (AIP) according to the OAIS standard and shall ensure data integrity and quality.

The main task will be Action 1 as identified by the Rolling Plan on ICT Standardisation 2017:  
"Action 1: adopt a European standard and the related guidelines on preservation of digital films, based on existing standardisation activities at national and international level."

This technical proposal is based on the assumption that many file formats for movies already exist, which can be limited or sometimes extended to the specific needs of digital film archives for long-term preservation. Examples, like DCP, IMF, MAP, ACES and so on, were listed below 4 presenting the context.

The main deliverable of this project will be a European Standard for a standardized archive framework, which can be used by European film archives to store and manage film content. It is planned that it describes an archive information package (AIP) with different elements. Such elements will be PDF-Files for documents, DCPs or IMPs for movies, XML- files for packaging-lists or subtitles, folder structures for different language versions and so on. In addition, methods will be integrated into the AIP definition and format to ensure data integrity and quality by calculating hash- and fingerprinting-values.

To allow an easy implementation of this AIP, a Technical Report as a second deliverable will be generated, which acts as a guideline to the standard. It will describe an example of how to generate and organize the AIP.

A third deliverable will be the reference software. The software allows users an easy implementation of the AIP and ensures that commercial software vendors will implement the AIP in the correct way. The reference software is designed for understanding the principles of the AIP and the one-to-one correspondence of defined structures with the descriptive text. It is not optimized for performance, but allows already a use and implementation of the AIP.

The objectives of this project are to accomplish a common European understanding and handling of digital film archiving. Furthermore, the selection of the right format will be crucial. To obtain the interoperability and integrity of the data is also an important goal.

The standardisation work for this project will be carried out in CEN/TC 457 "Preservation of digital cinema movies" (secretariat: DIN).

In order to achieve this, a project team (PT) of five experts for the standard definition is required as well as a software development team (DT). In the project team the project leader will work together with two technical experts and two archiving experts. For these positions this Call for Tender is launched.

DIN will carry out the procedural work and sign the contracts with the selected subcontractor following authorization by EC.

The [call for tender](#) is available on the website of the DIN Standards Committee Entertainment Technology, Photography and Cinematography ([NVBF](#)). If due to queries or other reasons supplementary information to this call for tender is required, it will also be published on this website.