



## A test platform for inter-operability and security in Digital Cinema.

Under the leadership of the Commission Supérieure Technique de l'Image et du Son (CST), the French technical authority for the movie industry, eight companies join forces to build a complete digital cinema distribution platform compliant with DCI specifications and SMPTE standards.

The eight partners of ISA are building a complete reference chain of digital distribution, from the output of postproduction to the theatre. This platform is used to test the inter-operability of distribution files and play out equipments, and to experiment in a practical way the digital distribution: security, versioning, file transfer... Secure file transfers with the ETC in Los Angeles will demonstrate the interoperability of equipments, and the possibility of making local version of movies.

This platform is open to all laboratories, post production houses, distributors and exhibitors who wish to test the interoperability of their system with the standard, or that simply want to know more about the standard on digital cinema.

Technical tests are made in the CST lab 22, 24 av de St Ouen 75018 Paris and in the reference theater "Espace Pierre Cardin" 1 Av Gabriel in Paris.

In agreement with DCI, an official French version of the Technical Specification v1 will be shortly available on the web site of ISA ([www.isa-dcinema.org](http://www.isa-dcinema.org)) and CST ([www.cst.fr](http://www.cst.fr)).



## An open platform

ISA testing is run by CST. It's open to any laboratory or distributor who would like to validate the DCI/SMPTE compliance of their D-Cinema mastering process, as well as to any manufacturer who would like to test the compatibility and performance of their equipment before a commercial release.

CST will guarantee the confidentiality of the test results.

## The partners of ISA

ISA combines the efforts of eight expert partners to ensure effective communication and the highest technical standards.

**CN films** works with distributors to test the digitization process on current releases, including the possibility of a demonstration in I Diff (Cannes, January 2006).

**CST** develops the software for the creation of DCDM and conduct tests with manufacturers and laboratories. CST is also responsible for the overall coordination of the ISA test platform.

**Doremi** provides the play-back server compliant with DCI specifications and the hardware for JPEG 2000 compression. Doremi will also work towards integrating some of Nextamp forensic tracking into the JPEG2000 player.

**Éclair Digital Cinema** provides feedback from theater owners, design test procedures, and act as the liaison with DCI and SMPTE DC28.

**Nextamp** works on forensic tracking based on video watermarking.

**Open Cube** provides MXF tools adapted to DCI specifications.

**SmartJog** will integrate the developments of OpenCube (MXF), Thomson (encryption and key management) and Nextamp (forensic mark) for the transport of DCP.

**Thomson** will participate in the test exchange of files between Technicolor (Burbank) and CST, and will develop the encryption software and key management in France.



Partners of



CN films

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Nextamp

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CST (leader of the Platform)

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Open Cube

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Doremi

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