

**Indiana University Digital Music Library (DML) Project**  
**Satellite Sites**  
**Outline of Roles and Responsibilities**

An essential goal of IU's DLI2 proposal is to greatly expand access to the DML testbed, by demonstrating that users at other colleges and universities can have the same access to and interaction with the DML content and applications as will be available to students, teachers and scholars at Indiana University. Testing and evaluation of such access across national and international networks -- including the commodity Internet and experimental high-performance networks -- is an important component of this project.

Major areas of testing will include: demonstration of interoperability, performance evaluation of network services, tests of usability, and expert evaluation of applications for music instruction and music library services. Several satellite sites will be identified initially, and additional sites will be added during the course of the project. Different tests may be requested of different sites, to capitalize on local capabilities. A schedule of specific test and evaluation activities will be established for each site in consultation with project investigators.

The following outlines the primary roles and responsibilities of Indiana University and institutions participating as "satellite sites" in the Digital Music Library (DML) project. This is a voluntary arrangement between IU and the satellite sites. IU and the DML project will not provide compensation for participation as a satellite site. The chief value to participating sites will be the experience they gain in evaluating and using a digital music library application in their own academic environment, and the access to software and expertise that comes with participation in the project.

***Indiana University***

1. Indiana University (IU) will provide satellite sites with DML client software required to conduct the tests, and will provide on-site or remote installation support for client software.
2. IU will make available a selection of the collections of the DML for access by satellite sites during the period of the test.
3. IU will provide an on-site orientation and training session for staff and faculty of the satellite site who will be involved in the DML test and demonstration, and will provide on-site support as needed for designing and carrying out evaluations of usability and pedagogy.
4. IU will provide satellite sites with access to locally-developed DML source code, documentation, and training, for sites who wish to establish their own local implementation of the DML.
5. IU will conduct one or more developers' conferences for satellite sites interested in establishing their own implementation of the DML.

[NOTE: It is anticipated that the DML will be based on a combination of custom-developed program code and commercial software products. IU cannot provide sites with commercial or licensed software components that may be part of a fully-operational DML implementation.]

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### ***Satellite Sites***

1. Each satellite site will install DML client software and conduct a suite of tests established in cooperation with project investigators.
2. Each satellite site will provide a media-enabled workstation and appropriate network connection, necessary to use the client software and conduct the tests.
  - a) Recommended workstation: Pentium II 300 MHz, 64MB RAM, 1GB disk, Windows 95/98/NT4, 16-bit sound card (Creative Labs SoundBlaster PCI128 or Turtle Beach MultiSound Pinnacle for optimum sound quality), headphones, speakers (optional).
  - b) Recommended network connection: Workstation connection to a switched LAN segment with an uncongested backbone link to a high performance Next Generation Internet service, e.g. the vBNS or Abilene. The network should be able to support a sustained, low loss 500 kbps flow from server to client.
3. Each satellite site will designate staff to oversee and conduct the tests agreed-to, and will provide a report of its test results. Recommended staffing to conduct the minimum test suite will be approximately:
  - a) technical evaluation - 8 hours of network engineer time
  - b) technical support - 8 hours of computer technician time
  - c) pedagogical/usability evaluation - 12-20 hours time from music faculty, music librarians, students.
4. Some satellite sites may wish to expand their participation to involve additional equipment for testing and demonstration (e.g., to evaluate the DML in a multi-workstation computer site), or to involve additional students, faculty and staff in the evaluation. This will be worked out between each site and project investigators.

[NOTE: Equipment and network connection will be needed only during the periods when the system is being actively tested. The Music Library, or Music Technology Center if there is one, would be a desirable location for the DML test and demonstration. In many cases, such facilities will already have the needed equipment in place. Depending on the site and planned tests, an alternative equipment and network configuration may be specified.]

### ***Additional Activities***

1. Apart from activities directly related to this project but as a result of this collaboration, IU and the satellite sites may evaluate forming a consortium for the cooperative development of digital music collections.
2. Apart from the activities of this project, IU and the satellite sites may evaluate forming a consortium for the ongoing development of applications for music instruction and library services, based on the accomplishments of the DML project.

*(Source: Creating the Digital Music Library; Indiana University; A Proposal to the National Science Foundation; May 17, 1999)*