

## Summary of MNCIS/3<sup>rd</sup> Party Imaging System Integration

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### **MNCIS Technology**

MNCIS is the name for Minnesota's court case management system, currently being implemented statewide. It is a custom application purchased from Tyler Technologies, Inc. (called "Odyssey").

Odyssey has a single integrated database, hosted centrally in St. Paul, Minnesota, accessed via a statewide wide area network.

Summary of Odyssey Technology:

- Database – Microsoft Sql Server 2000
- Application Server – Microsoft Windows Server 2003, IIS 6, ASP, COM, .NET
- Client – C++, embedded Internet Explorer HTML engine

### **Integration with Electronic Content Management (ECM) Solution**

Odyssey has the ability to store references to external multimedia documents, linked to individual court events. The multimedia document can be any type of multimedia content; images, electronic document files, sound files, etc. Court events correspond to court activities; often corresponding to an official document filing.

Odyssey integrates to external ECM solutions in a generic fashion – any ECM may be integrated as long as it follows the correct specification. The integration may be in either an interactive or batch mode, described below.

*Note – this integration is currently under development by Tyler Technologies, so we are not able to provide a detailed technical specification. However, we can provide the descriptive specification listed below.*

### **Interactive Mode**

1. The court user right-clicks on an event to scan an external multimedia document. Odyssey then creates an XML file with the following indexing fields, and stores that file in a configurable disk directory location, accessible to the user's desktop machine.
  - a. Anticipated Odyssey indexing fields include:
    - i. ODYID
    - ii. Court case number
    - iii. Citation number
    - iv. Case type
    - v. Event type
    - vi. Event codeword
    - vii. Event description
    - viii. Event date

- ix. List of parties attached to this case, with their connection types (i.e., defendant, victim, etc.)
    - x. Several other attributes, TBD
  - b. Note – the ODYID is Odyssey’s internal reference to a multimedia document. It stores these references in its own database.
- 2. The Odyssey user may create multiple XML files, for multiple events that they wish to link a multimedia document to.
- 3. The court user then switches to the external ECM application on the desktop. The ECM application should perform the following:
  - a. Pull in the multimedia document (e.g., scan a document image, select a multimedia file from disk, etc.).
  - b. Read the XML file (or multiple files if they exist, see 2 above) from the disk to retrieve the indexing information
  - c. Store the multimedia document and indexing information into its own data store.
  - d. Receives a unique DOCID from the ECM system.
  - e. Calls a web service provided by the Odyssey application to link up the ECM’s DOCID to Odyssey’s event indexing information (listed above in 1a). Note, this web service will be on the Odyssey application server, located centrally in St. Paul.

### **Batch Mode**

In batch mode, Odyssey may produce a number of XML files for multimedia documents to be processed by the ECM system.

For each multimedia document subsequently processed by the ECM, the ECM should call the Odyssey web service to link the ECM DOCID to Odyssey’s event indexing information (as described in 3e above).