NODS, Court Component Model, Etc.

Code for Justice – November 2023
Court Technology Framework (CTF)

www.ncsc.org/ctf
Court Component Model (CCM)

Case Management Components
- Case Manager
- Case Participant Manager
- Accounting/Financial
- Scheduling/Calendaring
- Document/Content Mgmt.

Case Information Interfaces

Additional Components
- Electronic Filing Service Provider(s)
- Electronic Filing Manager
- Judicial Tools/eBench
- Public & Partner Access
- Litigant Portal
- Online Dispute Resolution
- Jury Management
- Remote A/V
- Digital Recording
- Electronic Transcripts
- Evidence/Exhibit Management
- Notifications
- Electronic Payment Processing
- Compliance Monitoring

Technology/System-wide Capabilities
- Search Engine
- Reporting/Analytics
- Business Rules Engine
- Workflow/Orchestration
- Identity Management
- Knowledge Management
- Integration Engine
- Enterprise Security
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Interface standards:
- Completed or work in progress
- Existing Cross-Industry Standards?
ECF Example (Electronic Court Filing)

• OASIS Standard developed by the ECF Technical Committee
• Contributions from court practitioners, public- and private-sector developers
• ECF 5.0 committee spec just released with enhancements that include court scheduling, conformance with NIEM 4.0, and use of NIEM augmentations.
• Specifications: https://docs.oasis-open.org/legalxml-courtfiling/ecf/v5.0/csprd01/
ODR Example (Online Dispute Resolution)

Legal Service Provider System

Notification System

ODR System

Court E-filing System

Court CMS

Non-Court Referral to ODR

Court Referral to ODR

Get Court Policy

Get Case Information

File Court Case

Create Case Record

File Settlement Agreement

Update Case Record

Participant Notification

ODR Interface Standards
California CourtStack Example

www.courtstack.org
NIEM

• Provides a common vocabulary facilitating information sharing across 17+ domains

• Now part of OASIS as an “Open Project”
  • More sustainable support for open collaboration, governance, open process, etc.
  • Allows for contributions from government, practitioners, developers, private orgs, etc.

• Information Exchange Development Lifecycle

• Working on a CMF to allow for translation to XML, JSON, etc.

• More info: https://niemopen.org/
National Open Court Data Standards (NODS)

• Original purpose of NODS:
  • Provide for transparency in court operations
  • Make court data available to researchers, policymakers, media, and the public in a consistent manner that reduces errors and misinterpretation
  • Reduce the burden on court system staff in responding to data requests

• Other uses:
  • Designing a data warehouse
  • Specific data exchanges
  • Point of reference when designing or enhancing a CMS
  • Gap analysis with existing CMS
  • Others?
Leadership Guide
An overview of the NODS project and its purposes with guidance on why courts may choose to implement the data standards.

Data Elements Spreadsheet
A description of all data elements with definitions and value lists.

Users Guide
Discussion of the data elements listed in the spreadsheet, their use, and mapping guidance.

Data Element Mapping Tool
The data elements spreadsheet with columns added to capture whether an element is already collected, whether it's needed by the court, and where it's currently collected. This version also indicates elements important for CourTools and for annual reporting to the Court Statistics Project.

Technical Notes
Brief technical document explaining the NODS logical data models and contents of the ZIP files with technical artifacts.

Technical Data Models
Illustrations of the relationships between entities and the logical groups of attributes.
Ongoing work on NODS

- **NODS Steering Committee**
  - Court practitioners from numerous states
  - Other groups – NCSC, JTC, OJP, SEARCH
  - Provides guidance and considers requests for updates, new elements, etc.

- **NODS Updates**
  - New elements or values in NODS spreadsheet
  - Planning updates to technical artifacts
    - New elements
    - Consolidation of conceptual models (currently by case type)

- **Court Implementations**
  - Data warehouse projects
  - Use case cases involving specific data sharing
  - TA available

- **Implementers Forum**
  - Quarterly virtual meeting
  - Participation includes 12 states so far (AL, AZ, DC, GA, IL, IN, MD, NJ, PA, SC, TX, VT)
  - Sharing ideas, experiences, new use cases, etc.
  - Any court implementing NODS is welcome

Are there any courts present who are implementing NODS?
Questions / Discussion

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