

# **Integrated Justice Information Systems (IJIS)**

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**A Strategic Overview**  
**Forensic Sciences & Crime Scenes Technology**  
**Conference**  
**May 10, 2000**

## Define

### Current Justice Environment

- Law Enforcement
- Prosecution
- Limited and General Jurisdiction Courts
- Indigent Defense
- Youth Services
- Corrections and Probation

## Define

### The Paper Trail

- Referral from Law Enforcement to Prosecution
- Filing from Prosecution to Court
- Discovery Notification from Indigent Defense to Prosecution
- Scheduling from Court to All Parties

## Define

### Common Problems

- Redundant Data Entry
- Inconsistent Data
- Limited Access to Data
- Untimely Information
- Incomplete Records

## Plan

### Workload Impact

- 25,000 Misdemeanor Referrals X Three Pages = 75,000 Pages
- 20,000 Filings X Eight Page Filings = 160,000 Pages
- 75,000 Scheduling Events X Three Schedule Entries for Court and Prosecution = 255,000 Entries

## Plan

### Resource Impact

- Each Four Drawer File Cabinet Holds 10,000 Documents
- Every 12 File Cabinets Requires One Administrative Staff Person
- Each Manager Spends 150 Hours Annually Searching for Lost Documents

## Define

### Dollar Impact Impact

- Each Misplaced File Costs \$120 in Lost Productivity
- Half the Information Initially Entered Into a Computer Is Reentered Into Another Computer System

## Define

### Establish IJIS Governance

- Executive Committee - Representation By Each Major Participant
- Business Committee - Representation By Operational Professionals
- Technical Committee - Representation By Technology Professionals

## Analyze

### Identify Points of Process/Participant Sharing

Business Processes	LSJ Participants
Arrest Suspect	Law Enforcement Referral to Prosecution
Make Legal Sufficiency Determination	Prosecution Filing to Court

## Analyze

### Identify Points of System/Information Sharing

<b>Systems Supporting Processes</b>	<b>Shared Information</b>
Law Enforcement Records Management System	Name and Identifiers Shared with Prosecution
Court Case Tracking System	Scheduled Event Shared with Prosecution, Law Enforcement and Defense

## Analyze

### Review Current Environment

- Assess Individual Systems
  - Review Support of Business Requirements By System
  - Make Modification or Replacement Decision

## Analyze

### Determine Integration Options

- Centralized IJIS
  - Single Shared Database
  - Individual Modules for Participant Use, e.g., Jail Management, Prosecution Case Tracking, Etc.

## Analyze

### Determine Integration Options

- Decentralized IJIS
  - Individual Applications for Participant Use, e.g., Jail Management, Prosecution Case Tracking, Etc.
  - Data Shared Through Integration Server (Middleware)

## Analyze

### Determine Integration Options

- Document Management
  - Document Exchange
  - Digital Document as the Medium for Exchange (XML)
  - Data Within Document is “Tagged”
  - eXtensible Markup Language

## Analyze

### Determine Integration Options

- Web Application
  - Link Existing Systems
  - Build or Buy New System

## Analyze

### Compare Cost of Options

- Creation, Replacement or Modification
  - Centralized IJIS
  - Decentralized IJIS
  - Document Imaging
  - Web Application

## Analyze

### Analyze Shared Data/Document Needs

- “Drill Down” to Shared Data Elements
- Adhere to Federal, State and Local Standards
  - NCIC 2000 Standards
  - State Standards, e.g., Court Events
  - Local Standards, e.g., Person Identifiers

## Analyze

### Develop Technology Requirements

- Software
- Hardware
- Network

## Analyze

### Develop Vendor/IS Department Requirements

- Implementation Experience
- Research and Development Efforts
- Staff Experience and Training

## Fund

### Identify Funding Resources

- Local and State
  - “Technology Bonds”
  - Sales Tax
- Federal
  - Department of Justice Matching or “Seed” Grants

## Procure

### Determine and Execute Option

- Build
  - Use Internal Resources
  - Rely on Contractor
- Buy
  - Use Vendor Product
  - Transfer System

## Implement

### Manage Risk

- Prepare Detailed Work Plan
- Manage Plan Execution
- Establish Review/Reporting Mechanisms

## Implement

### Implement System

- Business Process Review
- System Design
- Software Development and Review
- Site/Facility/Network Modifications
- Hardware and Equipment Acquisition and Testing
- Security