



Data Integration in North Carolina

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Data Integration

Section Purpose:

Merge and reconcile dispersed data for analytical purposes using standardized tools to support quick, agile, event-driven analysis for business. The Data Integration Program objective is to establish a framework to promote the use of data as an asset to support strategic business decisions.

Section Responsibilities:

- Establish a North Carolina Business Intelligence Competency Center (NC BICC)
- Manage the development, implementation and support of the statewide criminal justice data integration program CJLEADS
- Manage the development and implementation of the enterprise fraud, waste and improper payments detection program NC FACTS
- Support agency data integration projects



CJLEADS

The **Criminal Justice Law Enforcement Automated Data Services (CJLEADS)** program integrates data found in the state's various criminal justice applications to provide up-to-date criminal information in a centralized location via a secure connection for use by state and local government criminal justice professionals.

Objectives

- To provide a comprehensive view of an offender's statewide criminal information through a single web portal, allowing for identification with a photographic image
- To provide an "Offender Watch" capability to monitor offender status

Status

- Statewide deployment was completed in June, 2012
- Over 24,000 courts, corrections and law enforcement using the system statewide
- Continuous improvement to ensure comprehensive data and up-to-date technology
 - Release of mobile version of CJLEADS in July, 2012
 - Functional enhancements to the watchlist and reporting capabilities
 - Focus on real-time access to statewide warrants and federal information



Data Integration – Criminal Justice Data Integration



The screenshot displays the CJLEADS web application interface. On the left, there is a search filter panel with fields for Name, Address, Birth date, Height, Weight, Race, Gender, and more. The main area shows search results for offenders, including profiles for Marcus Daniel Wade, Mark Andrew Wade, Bob Dan..., and Mark Is... A detailed view for Marcus Daniel Wade is shown, including his photo, personal information, and a summary of his criminal history and court status.

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NC FACTS

The **North Carolina Financial Accountability and Compliance Technology System (NC FACTS)** program will strive to develop an enterprise process to detect fraud, waste, and improper payments across State agencies.

Objectives

- To coordinate with State agencies to identify on-going fraud activities, data, and interest in participating in the enterprise fraud, waste, and improper payment initiative
- To set priorities for developing and implementing potential applications
- To identify a pilot application area
- To coordinate with State agencies to recommend program resources necessary to address incidents of fraud, waste, or improper payments identified by the system

Status

- Receiving data from
 - Department of Secretary of State
 - North Carolina Accounting System
 - BEACON
- CJLEADS
- Social Security Administration
- Division of Employment Security

- Analysis effort include
 - Quick Hits
 - Advanced Analytics



GBICC

The purpose of the GBICC is to support coordinated, effective and efficient development of North Carolina BI capability to generate greater efficiencies in, and improved services by State agencies.

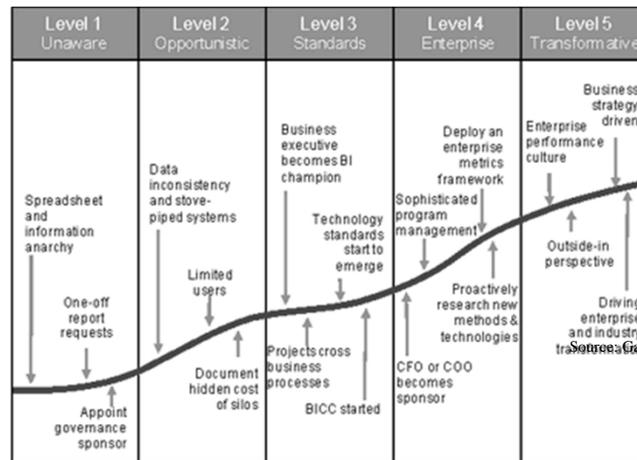
Objectives

- Research current BI efforts and identify BI needs
- Manage data governance to resolve inhibitors to and facilitate interagency data sharing
- Recommend an enterprise BI strategy to ensure BI projects support enterprise efforts
- Facilitate the implementation of BI solutions to meet business needs
- Establish data standards and tools to foster interagency sharing and data consistency
- Foster continuing research on BI solutions for better decision making

Status

- Statewide inventory of current data analysis processes, data needs, tools and challenges
- Report of key areas identified in the inventory results for further research

BI Maturity Model

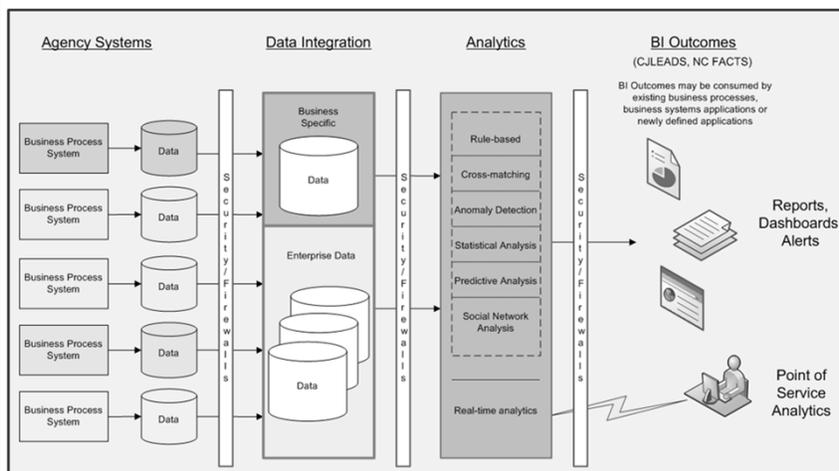


BI = business intelligence
 BICC = BI competency center

Source: Gartner (August 2010)

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Business Intelligence





GBICC

Next Steps:

- GBICC program management activities to establish:
 - Work groups of business stakeholders to build consensus and support for BI
 - An inventory of available data sources
 - Data standards
 - Governance policy and procedures
- Research potential areas of focus:
 - Master repository of person data
 - Master repository of business data
 - Education and workforce data
 - Financial data
 - Employee misclassification

Key Factors for Success:

- Manage the "people" factor first
- Build targeted, easy-to-use solutions to generate demand for information
- Develop the data repository based on business need and with the ability to "re-use" information
- Continue to address governance and data sharing inhibitors