PRODUCT COMPONENT

DEFINITION	
Name	Enterprise JavaBeans (EJB)
Description	The Enterprise JavaBeans specification is one of the several Java APIs in the Java 2 Platform, Enterprise Edition. The specification details how an application server provides server-side objects known as **E**nterprise **J**ava**B**eans, or **EJB**s, with: • remote communication using CORBA • persistence • transactions • concurrency control • events using JMS (Java messaging service) • naming and directory services • security • deployment of components in an application server Additionally, the Enterprise JavaBean specification defines the roles played by the EJB container and the EJBs as well as how to deploy the EJBs in a container.
Rationale	EJB's provide the State of MO with the ability to reuse code, potentially reducing development time, cost, and resources.
Benefits	• Developers can use services embedded within EJB containers, such as transactions and connection pooling. • EJB's are components. Chances are good that there are EJB vendors who sell components that encapsulate the functionality that you need. By purchasing a third-party's EJBs, you can avoid needing to develop your own beans, which means your application development is more rapid. The EJB specification makes sure that beans developed by others can be used in your application. • There is a clear separation of labor in the development, deployment, and administration of an EJB application. EJB development allows more granular control of project life cycle by facilitating concurrent development. • The EJB container manages transactions, state management details, multithreading, connection pooling, and other low-level APIs without the developer having to understand them. • The EJB container provides security for the applications. • The EJB architecture is compatible with other Java APIs.

ASSOCIATED ARCHITECTURE LEVELS	
Specify the Domain Name	Interoperability
Specify the Discipline Name	Data Exchange
Specify the name of the associated Technology Area	Data Exchange Software/Utilities

KEYWORDS	
List Keywords	EJB, Enterprise Java Beans, Java, JSP, servlet, language

VENDOR INFORMATION			
Vendor Name	None	Website	
Contact Information			

POTENTIAL COMPLIANCE SOURCES			
Name		Website	
Contact Information			
Name		Website	
Contact Information			

COMPONENT REVIEW			
List Desirable aspects	Reusability and potential reduction in costs, time, and resource		
List Undesirable aspects	Steep initial learning curve		
Operating System		Platform	

ASSOCIATED COMPLIANCE COMPONENTS

Product

List the Product-specific Compliance Component Names	

Configuration Links

List the Configuration-specific Compliance Component Names	

COMPONENT CLASSIFICATION			
Provide the Classification	☐ Emerging ☒ Current	☐ Twilight	☐ Sunset
Sunset Date			

COMPONENT SUB-CLASSIFICATION

Sub-Classification	Date	Additional Sub-Classification Information
☐ Technology Watch		
☐ Variance		
☐ Conditional Use		

RATIONALE FOR COMPONENT CLASSIFICATION	
Document the Rationale for Component Classification	

MIGRATION STRATEGY	
Document the Migration Strategy	

IMPACT POSITION STATEMENT	
Document the Position Statement on Impact	

AGENCIES				
List the Agencies Currently Utilizing this Product				
CURRENT STATUS				
Provide the Current Status	☐ In Development	☐ Under Review	☒ Approved	☐ Rejected
AUDIT TRAIL				
Creation Date	06/09/05	Date Approved / Rejected	10/11/05	
Reason for Rejection				
Last Date Reviewed		Last Date Updated		
Reason for Update				