PRODUCT COMPONENT

DEFINITION	
Name	WebSphere MQ
Description	The IBM Message Queuing (**MQ) Series** family of products provides transactional message queuing across platforms (Windows, Linux, IBM mainframe and midrange, and Unix). WebSphere MQ enables you to integrate your applications, allowing you to fully leverage your existing software and hardware assets.
Rationale	Many distributed applications need the ability to handle delays between a request and a response. This is because all the steps in a distributed application process may not need to be, or cannot be, completed at one time. Message queuing allows applications to use components that communicate with one another using queued messages. Like e-mail messages that sit in an inbox, messages can exist on dissimilar systems that may not even be directly connected to each another. Message queuing therefore provides Missouri agencies with a viable mechanism for communicating across disparate applications in an offline mode.
Benefits	WebSphere MQ provides reliable, resilient application integration by passing messages between applications and Web services. It reduces the risk of information loss and the need to reconcile communicating IT systems by using queuing and transactional facilities that help preserve the integrity of messages across the network. WebSphere MQ eliminates the need to write complex communications code and offers a choice of simple APIs (Message Queue Interface (MQI) and Java Messaging Services (JMS)). These benefits include: • Ensures delivery • Includes development facility • Supports SSL (Secure) • Integrates with Web Services • Supports Clustering

ASSOCIATED ARCHITECTURE LEVELS	
Specify the Domain Name	Interoperability
Specify the Discipline Name	Application Interoperability
Specify the name of the associated Technology Area	Distributed Object Interoperability

KEYWORDS	
List Keywords	MQI, IBM, SOA, JMS

VENDOR INFORMATION			
Vendor Name	IBM	*Website*	www.ibm.com
Contact Information	At IBM site search for WebSphere MQ		

POTENTIAL COMPLIANCE SOURCES			
Name	IBM	*Website*	www.ibm.com
Contact Information	See Web site.		

Name		Website	
Contact Information			

COMPONENT REVIEW	
List Desirable aspects	Can help create SOA for Web Services or web presence. WebSphere MQ can be leveraged for web applications to function with legacy or batch processes. When to use MQ Series: • When you have disconnected users • When guaranteed delivery is important • When you need concurrent execution • When you need to log activity
List Undesirable aspects	Increased interoperability testing required. Application development cycle initially increased.

Operating System	Multiple	Platform	Various

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	DHSS, MSHP	
CURRENT STATUS		
Provide the Current Status	☐ In Development ☐ Under Review ☒ Approved ☐ Rejected	
AUDIT TRAIL		
Creation Date	06/14/05	Date Approved / Rejected	10/11/05
Reason for Rejection			
Last Date Reviewed		Last Date Updated	
Reason for Update			