



Compliance Component

DEFINITION

<i>Name</i>	Data Compression Formats
<i>Description</i>	Data compression formats are commonly used to compress a file for storage or transfer while still maintaining the integrity of the data in the file. These formats use a compression algorithm that reduces total file size and allows later decompression back to the files original form. Lossless data compression is used when the data has to be uncompressed exactly as it was before compression. Lossless compression is used when it is important that the original and the decompressed data are exactly identical, or when no assumption can be made on whether certain deviation is uncritical. Lossless data compression is used in software compression tools such as the highly popular Zip format, used by PKZIP and WinZip, and the Unix programs bzip2, gzip and compress.
<i>Rationale</i>	The state of Missouri needs an efficient and accurate way to transmit data among agencies and external providers.
<i>Benefits</i>	<ul style="list-style-type: none"> • Save storage space • Dramatically reduce e-mail transmission time or file transfer time • Efficiently archive documents • Enables devices to transmit or store the same amount of data in fewer bits thus making file transfers faster • Reduce network traffic and better utilize bandwidth.

ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Interoperability
<i>Specify the Discipline Name</i>	Data Exchange
<i>Specify the Technology Area Name</i>	Data Formats
<i>Specify the Product Component Name</i>	Products include, but are not limited to, the following: WinZip, PKZip

COMPLIANCE COMPONENT TYPE

<i>Document the Compliance Component Type</i>	Guideline
<i>Component Sub-type</i>	

COMPLIANCE DETAIL

<i>State the Guideline, Standard or Legislation</i>	<p>The use of Data Compression Formats is encouraged whenever the transfer of a file greater than 1 MB. This may vary from agency to agency.</p> <p>The use of password protected compressed files is not an acceptable practice for secure file transfer. Please reference the appropriate security standards that address this issue.</p> <p>http://oit.mo.gov/architecture/tamain.htm</p>
<i>Document Source Reference #</i>	

Compliance Sources

<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			

KEYWORDS

<i>List Keywords</i>	Data Compression, Zip, Data Transfer
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COMPONENT CLASSIFICATION

<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i>	<input checked="" type="checkbox"/> <i>Current</i>	<input type="checkbox"/> <i>Twilight</i>	<input type="checkbox"/> <i>Sunset</i>
<i>Sunset Date</i>				

COMPONENT SUB-CLASSIFICATION

Sub-Classification	Date	Additional Sub-Classification Information
<input type="checkbox"/> <i>Technology Watch</i>		
<input type="checkbox"/> <i>Variance</i>		
<input type="checkbox"/> <i>Conditional Use</i>		

Rationale for Component Classification

<i>Document the Rationale for Component Classification</i>	
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Migration Strategy

<i>Document the Migration Strategy</i>	
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Impact Position Statement

<i>Document the Position Statement on Impact</i>	
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CURRENT STATUS

<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i>	<input type="checkbox"/> <i>Under Review</i>	<input checked="" type="checkbox"/> <i>Approved</i>	<input type="checkbox"/> <i>Rejected</i>
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AUDIT TRAIL

<i>Creation Date</i>	11.03.2004	<i>Date Approved / Rejected</i>	11.09.2004
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			