



Product Component

DEFINITION

<i>Name</i>	Autodesk Map
<i>Description</i>	A desktop based, enterprise GIS software that can perform mapping, geographic data creation, management, integration, and analysis. It is tightly coupled with other Autodesk components. The largest user base is in the area of Computer Aided Design (CAD) and this software provides a migration path from this CAD environment to more GIS analysis capabilities.
<i>Rationale</i>	<ul style="list-style-type: none"> • Currently operating within State infrastructure. • An industry leader in Computer Aided Design (CAD) and GIS. • Provides for a common base of understanding within the CAD environment leading to easier adoption of GIS by these entities.
<i>Benefits</i>	<p>Reformat list</p> <ul style="list-style-type: none"> • Autodesk Map incorporates all the functionality of AutoCAD plus GIS capabilities. • Integrated with Oracle to take advantage of its spatial database features. • Allows for the development of applications and database components that can be more easily shared across and between systems. • Allows for combined training costs. • Allows for increased purchasing and negotiation power with the vendor for training, software, and services. • Provides guidance and direction to local government in evaluating the utility of this software to their situation. • Coordination of statewide data development protocols.

ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Information
<i>Specify the Discipline Name</i>	Geographic Information Technology
<i>Specify the name of the associated Technology Area</i>	Geographic Information Systems

KEYWORDS

<i>List Keywords</i>	Geographic Information System (GIS), desktop, software, mapping, Autodesk, geocode, Computer Aided Design (CAD), Autodesk Map, (add other softwares)
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VENDOR INFORMATION

<i>Vendor Name</i>	Autodesk	<i>Website</i>	http://www.autodesk.com
<i>Contact Information</i>	Autodesk consulting, training, support: (877) 277-7890 (address?)		

POTENTIAL COMPLIANCE SOURCES

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

<i>Name</i>		<i>Website</i>	
<i>Contact Information</i>			
COMPONENT REVIEW			
<i>List Desirable aspects</i>	<p>Data manipulation – Allows integration of many different formats and data models; Tightly integrated with Oracle; Fairly robust import/export functionality; Excellent projection algorithms; Excellent editing tools.</p> <p>Analysis – Geoprocessing tools are adequate; Analysis functionality in buffering, selection, query, etc.; Good image integration; Good geocoding functions; Geostatistical analysis functions are improving; Newest release incorporates 3D functionality found in other Autodesk products.</p> <p>Extensions – Has extensions covering application areas of computer aided design, geospatial processing and analysis.</p> <p>Cartography – Basic map output functionality; Symbol and font sets are very good; Thematic data classification and histogram development is decent; Basic map elements (legend, key, north arrow, etc.) are good.</p> <p>Topology – Supports GIS and CAD topological relationships with editing and error reporting.</p> <p>Customization – Allows for customization and development of extensions, etc. within the software; Can be used as an enterprise solution; Interoperable components can be leveraged on data or DBMS side; Can selectively develop GUI based on class of user and application needs; long term use of same programming languages.</p> <p>Training / Education – Have developed a large number of classes; Have a wide variety of training media options (web, classroom, on-site); There are a number of local private sector certified trainers.</p> <p>User Support – Thorough on-line knowledge base available; Large number of local government and private AutoCAD users in the state; Help function is fairly complete.</p>		
<i>List Undesirable aspects</i>	<p>Data manipulation –No Metadata writer; Try to push you towards Oracle, but can connect to a variety of databases.</p> <p>Analysis – Report generation is difficult; Chart development is not very robust.</p> <p>Extensions – Extra cost associated with each extension desired; Training availability on any specific extensions is lacking or not available.</p> <p>Cartography – Automatic labeling and overposting sequencing does not provide consistent results; Map templates are not robust; Not true WYSIWYG.</p> <p>Topology – Underpinning of relationships is still the AutoCAD drawing where topology is not necessary for completion of drawing and mapping tasks.</p> <p>Customization – Seems to be a tendency within the user community to stay a version or two behind the latest release of the software.</p> <p>Training / Education – Cost, location, and availability is many times prohibitive to participation.</p> <p>User Support – Their on-line user support could be better organized by breaking down into topics.</p>		
<i>Operating System</i>	Windows NT 4.0 (SP6a), 2000, XP	<i>Platform</i>	PC-Intel

ASSOCIATED COMPLIANCE COMPONENTS

Product

List the Product-specific Compliance Component Names

Autodesk Map3D – Part of the AutoCAD 2005 release

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
<input type="checkbox"/> Technology Watch		
<input type="checkbox"/> Variance		
<input type="checkbox"/> Conditional Use		

RATIONALE FOR COMPONENT CLASSIFICATION

Document the Rationale for Component Classification

Many state agencies and local governments use AutoCAD and could get into GIS by using Autodesk Map.

MIGRATION STRATEGY

Document the Migration Strategy

IMPACT POSITION STATEMENT

Document the Position Statement on Impact

AGENCIES

List the Agencies Currently Utilizing this Product

Department of Conservation, Department of Natural Resources, Office of Administration

CURRENT STATUS

Provide the Current Status

In Development Under Review Approved Rejected

AUDIT TRAIL

Creation Date	04/06/2004	Date Approved / Rejected	06/08/04
Reason for Rejection			
Last Date Reviewed		Last Date Updated	10/12/04
Reason for Update			