



# PRODUCT COMPONENT TEMPLATE

## DEFINITION

<i>Name</i>	Assembler Language
<i>Description</i>	Assembler is a powerful, detail and machine orientated programming language.
<i>Rationale</i>	In today's mainframe and client/server development environment, assembler is typically used when no other reasonable alternatives (i.e., a higher level language) are available to the developer to achieve the desired performance results. The SAM II system has I/O modules written in Assembler.
<i>Benefits</i>	<ul style="list-style-type: none"> <li>The Assembler language is much more efficient in the use of computing resources, memory and CPU cycles.</li> <li>Provides the capability of creating performance based solutions.</li> </ul>

## ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Application
<i>Specify the Discipline Name</i>	Development Tools
<i>Specify the name of the associated Technology Area</i>	Mainframe

## KEYWORDS

<i>List Keywords</i>	Assembler, Programming Language, Development
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## VENDOR INFORMATION

<i>Vendor Name</i>	IBM, Mainframe Vendors		
<i>Contact Information</i>			

## 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>			
<i>List Undesirable aspects</i>	Difficult to find knowledgeable resources to write Assembler code.		
<i>Operating System</i>		<i>Platform</i>	

## ASSOCIATED COMPLIANCE COMPONENTS

### Product

<i>List the Product-specific Compliance Component Names</i>	
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### 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

### MIGRATION STRATEGY

Document the Migration Strategy

Where and when appropriate, replace Assembler applications with current High level language systems.

### 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	03-15-05	Date Approved / Rejected	
Reason for Rejection			
Last Date Reviewed		Last Date Updated	
Reason for Update			