



Software Lifecycle Management





SLC DOCUMENT GENERATION

About AgileDoc

AgileDoc is a Software Lifecycle (SLC) documentation suite. AgileDoc automatically generates documents from system source code, thus improving speed and accuracy while reducing cost and effort.

AgileDoc imports system source code into a change control database. Authorized users interact with AgileDoc through a secure web client. Users can query and browse control system objects, and generate comprehensive reports including Functional Requirements Specifications (FRS), Detail Design Specifications (DDS), configuration documents and test scripts.

AgileDoc is particularly well suited to generating "asbuilt" DDS documents. Instant document generation eliminates one of the most time-consuming aspects of traditional documentation approaches, where advanced engineering resources spend countless hours creating word processing files and manipulating spreadsheets.

AgileDoc reports can encompass virtually every aspect of the automation system, including sequential logic, continuous logic, control and equipment modules, recipes, formulas, unit configuration and physical network layout. AgileDoc also generates control diagrams in a graphic format that lends itself to scaling and printing.

Reduce Documentation Costs

AgileDoc drastically reduces the time and effort associated with generating and maintaining SLC documentation.

Eliminate Human Error

AgileDoc automates tedious documentation tasks that are prone to error.



Ensure Accuracy and Completeness

AgileDoc ensures that system documentation is always accurate, complete and up-do-date, eliminating audit risk.

Eliminate Documentation and Code Discrepencies

AgileDoc eliminates discrepencies that may exist between design documents and the actual code, thus avoiding time-consuming change control and review cycles. AgileDoc can also facilitate code review and the early identification of logical errors.

Improve Collaboration and Code Reuse

AgileDoc's intuitive web client provides secure read-only access to users who may not otherwise have access to engineering workstations. Users can quickly inspect and compare control strategies associated with multiple systems.

Synchronize Control Strategies and Documentation

AgileDoc reads control strategies from process automation systems into an object database where version histories are maintained. Control strategies are organized and documented according to configured object models that correspond to the overall SLC methodology. The AgileDoc upload utility runs as a Windows service, and is well suited to automatically uploading periodic backups. Only changes are committed to the AgileDoc database.

Web-based User Interface (UI)

Authorized users access AgileDoc through standard Internet browsers. Windows and application authentication are supported. AgileDoc can serve as an engineering portal, enabling users throughout a facility or enterprise to securely view control strategies and system configuration information in a format that is suitable for "non-experts".

Users can browse control strategies, view the relationships between various software modules, and generate reports on demand. The UI also enables the user to see the history of each software module.

Fully Configurable Document Content and Format

AgileDoc incorporates a powerful reporting engine that generates documents conforming to site standards for style and content. Reports can be as simple as control diagrams and parameter summaries, or as detailed as step/action/transition descriptions. Documentation can be generated on the basis of a single object (e.g. phase, module, recipe), or span entire areas or other logical groupings such as unit classes.



5.5.3. SFC Algorithm Legend: S/T = Step/Transition Action, Exp = Expressio

S/T		Description	Qualifier	Type
Step: HOLD				
Transition: FAIL_D	етесте	D Phase Failure Detected		
FAIL_DETECTED		Phase Failure Detected	N/A	N/A
	Exp	'^/FAIL_INDEX.CV' 1= 0		
Transition: HOLD_	WITH_A	GIT Phase Failure Not Detected AND AGIT_STATE is RUNNING		
HOLD_WITH_AGIT		Phase Failure Not Detected AND AGIT_STATE is RUNNING	N/A	N/A
	Exp	/MUM_POSIC/WRIE_RIMIE.CA. = .MFE3-bAigNOMINE.		
Transition: HOLD_	NO_AGT	F True		
HOLD_NO_AGIT		True	N/A	N/A
	Exp	7808		
Step: FAIL_SAFE				
A1		Stop OUT_PUMP	P	ASSIGN
	Delay	0		
	Action	.//#OD2_BUMB#\DC1\28_D.CA, := ,mrs5-ab:2408,		
	Confirm			
A2		Set OUT_FLOW Output to 0%	P	ASSIGN
	Delay	0		
	Action	.//#002_FIOM#/FID1/007.CV. := 0		
	Confirm			

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AgileDoc users have saved \$575,000-\$720,000 on single automation projects.



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AgileDoc automatic document generation streamlines the full lifecycle from requirements through testing.



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SYSTEM

121 Chanlon Rd Suite 320 New Providence, NJ 07974 USA 1.908.918.0111 • www.informetric.com

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Standard Report Template Library()

4210	Recipe DS Report
4211	Full Recipe DS Report
4220	Phase Class DS Report
4230	Module DS Report
4235	Composite Template DS Report
4240	Module Class DS Report
4250	Module Instance DS Report
4260	Unit Class DS Report
4270	Control Network Configuration Report
4280	Unit Instance DS Report

(1) Reports listed are pre-configured reports from the Informetric Standard Report Template Library. Reports may be modified by the end user organization or Informetric at published engineering rates.

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