



INFORMATION
TECHNOLOGY

TECHNOLOGY LICENSE OPPORTUNITY

*A nonconfidential, no obligation summary of technology available from
Science Applications International Corporation*



*Publish documents in a
variety of formats.*

Structured Documentation Assistant (SDA)

**Improve requirements traceability
and consistency**

BENEFITS

More cost effective
compared to manual
processes to create
documentation

Provide documentation
to clients with faster
turnaround

Improve CMMI
certification through
consistent, accurate
documentation

Clients feel secure they
can trace use cases to
program elements

WHAT MAKES IT DISTINCT?

Specifically created for
software developers

Easy updating
and linking across
documents, including
those from external
sources

Open design based on
best practices

Supports use-case based
development approaches

OVERVIEW

Creating and managing documentation for large-scale software projects is time-consuming and costly, often requiring at least 10 percent of the overall development budget. SAIC's SDA documentation tool can help reduce the cost and risk of documenting major software projects.

SDA solves traditional documentation issues such as lack of information reuse across documents, inconsistent information, and out-of-date documents. It pulls information from requirements documents, code, use cases, and other information repositories and combines this information into requirements, design, test and architecture documentation.

APPLICATIONS

SDA is an integrated documentation application that supports the full software development life cycle. It supports use-case based development, incorporating requirements from multiple sources into documents with multiple output formats.

SDA helps users to do the following:

- Reduce project expenses, especially in complex developments
- Provide documentation to clients with fast turnaround
- Create consistent, accurate documentation
- Support multiple authors of a single document
- Generate extensive cross-document requirements traceability
- Improve Capability Maturity Model® Integration (CMMI®) certification
- Publish documentation in a variety of formats, including Hypertext Markup Language (HTML), Microsoft® Word®, and Portable Document Format (PDF).

SDA is being used in software development programs for homeland security, health care, and pharmaceutical research applications. SAIC can provide comprehensive user training and continually gathers user input to further refine SDA.

Documentation is a crucial element of software development, and its importance and difficulty increase with project size. SDA is a flexible, open system that can help teams of any size create, organize, and manage their full documentation portfolio. Contact us today for more information.

TECHNOLOGY DESCRIPTION

SDA is a documentation framework that creates and maintains an integrated documentation set. While oriented to software documentation, it is applicable to most programs or documents that require information reuse. SDA follows “single source” principles to build documents that are based on standard templates and provide significant requirements traceability.

SDA is oriented around use cases, which apply to most software development methodologies. Use cases require development teams to think through their systems from beginning to end and base designs on real user needs. This effort can take a little more time up front, but typically saves significant effort in the development phase. Furthermore, requirements based on use cases can help make identification of potential classes, methods and attributes straightforward.

SDA directly supports documentation based on use cases and can incorporate external data, requirements, and text to create output documents in HTML, Microsoft Word and PDF formats.

**ADDITIONAL
NONCONFIDENTIAL
INFORMATION
AVAILABLE**

- Product demo

**FOR MORE
INFORMATION
REGARDING THIS
TECHNOLOGY,
CONTACT**

David L Snyder
858-826-7045
david.l.snyder@saic.com

**Case Number
07-000**

I.P. SUMMARY

SDA is being offered for license under the terms of an Intellectual Property agreement.

STAGE of DEVELOPMENT

SDA has been used successfully in several projects. Training classes are available.

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