The Impact of Case Tools, ADA, and Software Reuse on a DOD Software Development Project

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Status of Department of Defense Architecture Framework (DoDAF) Implementation within the Aeronautical Systems Center (ASC)
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This is a NAVAL POSTGRADUATE SCHOOL MONTEREY CA report procured by the Pentagon and made available for public release. It has been reproduced in the best form available to the Pentagon. It is not spiral-bound, but rather assembled with Velobinding in a soft, white linen cover. The Storming Media report number is A261803. The abstract provided by the Pentagon follows: Software continues to be the single greatest challenge facing DoD systems developers. The criticality of software as a integral component of system design, continues to grow in importance as DoD moves into the 21st Century. To meet this ever increasing challenge, software development organizations are incorporating new design requirements and practices into their development processes. These new requirements/practices, properly implemented into the development process, can reduce software development and maintenance costs and increase software quality and development productivity. This thesis investigates the impact of three management-selected software development requirements/practices--CASE tools, Ada, and software reuse--on the progress of a particular DoD software development project, known as Project X. After a brief introduction the thesis presents background literature on the three development requirements of Project X. The background literature is used to support the Project X case study. Information required for the case study is obtained through interviews with Project X affiliated development personnel. Interview results are analyzed and interpreted through a comparison with information found in the background literature. Results of the case study identify several problems with managements plan to implement the three development requirements into Project X. The thesis identifies specific root causes for the

implementation problems, and makes recommendations to reduce the impact of these problems on Project X and other present and future DoD software development projects.

PDF? The Impact of Case Tools, ADA, and Software Reuse on a 1. 1.1. History. 1. 1.2. The Business Case for Software Process Improvement 4.2.1 Management Control - Software Development Planning. 31. 4.2.2 Training . Our ability and willingness to analyze the impact of the initiative in these .. Existing software is reused when possible, and mature COTS tools are evaluated to **Ada Adoption Handbook -** Reuse may occur within a software system (e.g., common data and operations . The DOD SRI emphasizes a broader approach, advocating the reuse of . Computer-Aided Software Engineering (CASE) tools and Designware offer reusable Developing and maintaining asset management tools, such as **The Impact of Case Tools, ADA, and Software Reuse on a DOD** The volume also analyzes the technical, empirical, and business cases for using It does not apply to software developed, acquired, or used by DOD research and in the context of their impacts on cost and schedule, commonly leads to project feasible, increases portability and opportunities for reuse, and reduces cost. **Issues in Tool Acquisition - Software Engineering Institute** Home Uncategories Download PDF The Impact of Case Tools ADA and Software Reuse on a DOD Software Development Project. **ADA Adoption Handbook - Carnegie Mellon University** data management, tool integration, and standardization. use software development and support tools is crucial in improving staff ing (CASE) tools and other productivity tools (see Section 1.2.1 for a list of .. The effect of this problem in the DoD world is significant. Due to . A primary example of this approach is the Ada. **Why Reuse? - Ada Information Clearinghouse** This thesis investigates the impact of three management-selected software development requirements/practices--CASE tools, Ada, and software reuse--on the **Concept development of a Manpower programming and budgeting** Previous: Software Engineering and the Role of ADA in DOD Systems It then presents a business-case analysis to evaluate Ada against other Given the objective of having superior software, such evaluation must consider the effect of DOD . Commercially dominated applications include office and management **Reusable Software Components - ACM Digital Library** Draft

Ada 9X Project Report - Ada 9X Requirements Rationale. Abstract: .. Abstract: This document presents the DoDs Ada Dual-Use Program Plan, which is under the The impact of using object-based software development practices during . Framework for Certification of Reusable Software Components (Version 1.0). **The Impact of Case Tools, ADA, and Software Reuse on a DOD** This paper documents a Concept Development Phase analysis conducted for of CASE tools, Ada, and software reuse of a DoD software development project ?. **Software system requirements for the Army Tactical Missile System** Modeling Dynamics in Agile Software Development the impacts of various agile development practices and project management strategies. The impact of CASE tools, Ada, and software reuse of a DoD software development project ?. **The Impact of Case Tools, ADA, and Software Reuse on a DOD   Ada and Management Information Systems** In this thesis, the effects of reuse on software quality are investigated in an of case tools, ada, and software reuse on a dod software development project. **Thesis on software reuse, Term paper Writing Service** The programs relationship to the DoD Software Reuse Initiative (SRI) will be to show programmers and software engineers how to use reusable Ada . RF_,BOOT reuse tools : Description of prototype tools developed within the REBOOT project to includes case studies of successful domain engineering approaches. **Ada Archive Report & Papers (Part 8)** This thesis investigates the impact of three management-selected software development requirements/ practices--CASE tools, Ada, and software reuse--on. **The impact of CASE tools, Ada, and software reuse of a DoD** The Impact of Case Tools, ADA, and Software Reuse on a DOD Software Development Project by Loren J. Dugan PDF, ePub eBook D0wnl0ad. **Impact of adopting commercial practices in software development** Gauging the impact of automated tools on the design process was an objective Assessing the requirements for Ada training to prepare COBOL developers for gain further insight into the software development process, project members were development of reusable components, and postulated maintenance impact. **Industry Versus DoD: A Comparative Study of Software Reuse Reusable Software Components - ACM Digital Library** This thesis investigates the impact of three management-selected software development requirements/ practices--CASE tools, Ada, and software reuse--on. **Computerworld - Google Books Result** The Impact of Case Tools, ADA, and Software Reuse on a DOD Software Development Project [Loren J. Dugan] on . *FREE* shipping on qualifying **none** Positive Effects of Software Reuse in DoD . Negative Effects of the Software Reuse Program in DoD . 81 a. . computer-aided systems engineering (CASE) tools. certify candidate RSCs has been adopted from the Armys Reusable Ada .. Economic factors play an important role in software development. Project. **Download PDF The Impact of Case Tools ADA and Software Reuse**   Tools and Resources Reuse of software, and formal verification, are two important on Tri-Ada 89: Ada technology in context: application, development, . The impact of declarative (functional) programming is inhibited by on large Real-Time Ada projects compliant with the DOD-STD-2167A standard. **96Mar_ - Naval Postgraduate School** This paper is cited in the 1997 NRC report Ada and Beyond: Software Policies for the Department of Defense. A. The Critical Role of Information Technology in DoD. . software engineering (CASE) tools and a comprehensive set of reusable . the best software development practices and encouraging software reuse. **Software reuse tools - Google Docs** The Department of Defense (DOD) is seeking software system requirements for CASE tools, Ada, and software reuse of a DoD software development project ?. **PDF? The Impact of Case Tools, ADA, and Software Reuse on a** Software development through software reuse, case tools,. An asset The impact of case tools, ada, and software reuse of a dod software development project. **Emerging Information Technologies for Competitive Advantage and - Google Books Result** This thesis investigates the impact of three management-selected software development requirements/practices--CASE tools, Ada, and software reuse--on the **DOD Software Policy: Analysis and Recommendations Ada and** Note 0.0/5. Retrouvez The Impact of Case Tools, ADA, and Software Reuse on a DOD Software Development Project et des millions de livres en stock sur **The impact of CASE tools, Ada, and software reuse of a DoD - Core** All software developed in Ada using the Relational APEX development software documentation, software metrics, software reuse, and software library functions. Ada or C), and software program management for major DoD programs. Designs and develops CASE Tools and integrated development environments.