Foreword

Governments around the world increasingly rely on online services to accomplish core mission functions with citizens, industry, and other governments. Effective, cost-efficient designs for these Electronic Government (E-Government) functions require a robust, scalable approach to Enterprise Architecture (EA) that integrates strategic drivers with business requirements and technology solutions. EA began as a technology design discipline in the late 1980’s, as a need arose to integrate systems and share data across organizational boundaries. Since those early beginnings, EA has evolved into a management and technology best practice that has a global following and is singularly able to provide authoritative views of current and future states for various types of enterprises; including organizations, consortia, supply chains, lines of business, programs, and systems.

This book provides valuable insights from authors who are active in government, business, or academe, and have a common interest in how EA can support and promote the creation of a new generation of E-Government services that will more effectively function within and between agencies at the international, national, regional, and local levels. Because resources are often tight, there is a tremendous need for E-Government services that more effectively cover horizontal mission and support functions, and that vertically link various levels of government in a way that eliminates waste and duplication.

My own experiences as a U.S. Federal Government executive, management consultant, and university instructor have reinforced the view that EA is the only management and technology discipline capable of serving as a meta-context and source of standards for developing enterprise-wide E-Government services. The problem is that agency leaders are often not aware of the ability of EA to enable the transformation of mission and support functions, despite their desire to do just that. Perhaps it is because EA is still viewed by many as an IT discipline, or that EA projects in the past have sometimes delivered expensive shelfware instead of scalable designs using agile / rapid application development methods. The EA community’s record for adding value needs improvement, and the material in this book provides many recommendations and case studies for doing that. Thank you to the authors of this material and especially to my long-time friend and colleague, Pallab Saha, for providing this book during a time that it is needed by governments that are looking for ways to create and improve E-Government services.

Scott Bernard
Syracuse University, USA
Scott Bernard is currently the Federal Chief Architect with the Office of Management and serves as Co-Chair for the Federal Enterprise Architecture’s Security and Privacy Profile for the U.S. Federal Chief Information Officers Council, Architecture and Infrastructure Committee. He has previously served on the faculty of Carnegie Mellon University’s Institute for Software Research, School of Computer Science, where he developed a professional certificate program in enterprise architecture, and he served for over a decade on the faculty of Syracuse University’s School of Information Studies. Dr. Bernard has thirty years of experience in information technology management, including work in the academic, federal government, military, and private sectors. He has held positions as a Chief Information Officer, IT Management Consultant, Line-of-Business Manager, Network Operations Manager, Telecommunications Manager, IT Systems Security Manager, and Project Manager for several major IT systems installations. He has served as a senior IT executive for a federal agency, started an enterprise architecture practice for an IT management firm, developed his own consulting practice, and lectured on the topic of enterprise architecture worldwide. Dr. Bernard was the founding editor of the Journal of Enterprise Architecture, and served as Chief Editor from 2005-2010. In 2004, he wrote the first textbook on enterprise architecture that is now in use at universities and in training programs around the world. He also created the EA3 Cube TM framework and methodology that is featured in this book, as well as the design for an on-line architecture repository that is called Living Enterprise™. Dr. Bernard earned his Ph.D. at Virginia Tech in Public Administration and Policy, a Master’s degree in Business and Personnel Management from Central Michigan University, a Master’s degree in Information Management from Syracuse University, and a Bachelor’s degree in Psychology from the University of Southern California. He is a graduate of the United States Naval War College, and earned a Chief Information Officer Certificate and an Advanced Program Management Certificate from the National Defense University. Dr. Bernard is also a former career naval aviator who served on aircraft carriers and with shore squadrons, led IT programs, and was the Director of Network Operations for the Joint Chiefs of Staff at the Pentagon.