IntegratedEA 2010
Enterprise Architecture Conference

9-11th March, One Whitehall Place, London

VEGA
A Finmeccanica Company

Conference Sponsor

Welcome to Integrated EA 2010

We've had some excellent submissions for this year's conference, and the speaker line-up is really top notch. We have a very strong international theme to IEA 2010 with presentations from the defence ministries of Australia, Italy, Norway, Singapore, Sweden, UK and USA. The big news for this year is that John Zachman has kindly agreed to provide a keynote address. John was an officer in the US Navy, and is always keen to support enterprise architecture efforts in defence and Government.

This year's event takes place in one of the most interesting conference venues in London with a much larger exhibition and catering area than we've had in previous years. This has additional exhibitors to support the conference in 2010.

The registrations for this year show a healthy mix of regulars and new faces from all over the world. Clearly, travel and training restrictions in many organisations have caused the number of registrations to fall this year, but the excellent programme we've put together this year has attracted numbers that are better than we were predicting.

My thanks go to our conference manager Penny Creed, our speakers, sponsors and exhibitors.

I hope you enjoy the event. Please do fill in the feedback forms and please feel free to suggest any other topics you think we should be covering.

Ian Bailey

Conference Owner

Day One – 9th March 2010

08:30-09:30	**Welcome and Registration**
09:30-09:40	**Conference Introduction** *Ian Bailey, Model Futures*
09:40-11:00	**Keynote Address:** **ENTERPRISE DESIGN OBJECTIVES: COMPLEXITY AND CHANGE** *John Zachman, Zachman International*
11:00-11:20	**Coffee Break**
11:20-11:50	**MOD Perspectives on EA** *Colonel Luigi Gregori, MOD*
11:50-12:20	**Delivering military capability - the value of enterprise decision making** — Cross-capability work currently active in MOD providing an enterprise perspective on acquisition decision making through the application of TRAiDE — The challenges of capability-based decision making — How an integrated EA method can apply MODAF 1.2 to embrace the inherent complexities of the problem — Benefits to MOD decision makers in business terms — Outstanding issues still to be resolved *Owen Sudlow, Deputy Director Capability Development, BAE Systems* *Myles Higgin, Senior Consultant, The Salamander Organization Ltd*
12:20-13:20	**Lunch**

13:20-13:50	**Introduction to Design Rules in NATO NISP**
	
	— The presentation gives an introduction in how Design Rules are used to drive the evolution of the NATO Network Enabled Capabilities.
	— The content includes:
	   - What Design Rules are and why they are useful
	   - How Design Rules are to be incorporated into NATO NISP
	   - A walkthrough of the Design Rule for International Military Interoperability
	
	Peder Blomqvist, CIO Strategist, Swedish Armed Forces
	
	Niklas Häggström, Lead Architect, Network Enabling Systems Partner / Centric Labs

13:50-14:20	**Drinking Our Own Champagne: Using TOGAF™ to Architect The Open Group's Systems** — Key business drivers for embracing TOGAF — Unique challenges experienced along the way as a small organization — How The Open Group incorporated the Operating Model from the book, "Enterprise Architecture as Strategy" *Allen Brown, President & CEO, The Open Group*

14:20-14:50	**Coffee Break** **Sponsored by Atego**
14:50-15:10	**International Session: Australia** **Delivering an Enterprise Architecture for the Australian Department of Defence** – Strategic Imperative - Australian Government Defence White Paper 2009 - 'Single Enterprise Architecture' – Legacy of Project by Project architecting using DoDAF 1.0 – 12 months in - what is working, what is not working – What does EA success look like for the Australian Department of Defence *Commodore Mark Purcell, RAN, Chief Architect & Director General Enterprise Architecture Branch, Chief Information Officer Group, Australian Department of Defence*
15:10-15:50	**International Session: USA** **Architecture & Standards Governance in the Department of Defence** – DoDAF v2.0 is less than 1 year old – how is the DoD is promoting its use? – New governance for architecture: The Department's Architecture & Standards Review Group – Leveraging commercial specifications for architectural descriptions: The DoD's interest in the Object Management Group and the Unified Profile for DoDAF/MODAF (UPDM) *Brian Wilczynski, Director, Enterprise Architecture & Standards, Office of the US Department of Defense Chief Information Officer* *David McDaniel, President, Silver Bullet Solutions, Inc.*
15:50-16:20	**International Keynote: Enterprise Architecture in the Swedish Armed forces** *Rear Admiral Thomas Engevall, Chief Information Officer (CIO), Supreme Commanders Staff, Swedish Armed Forces*
16:20-16:50	**Afternoon Tea**
16:50-17:50	**Panel and Q&A Session** *Led By: Graham Bleakley, IBM* *With: John Zachman, Ian Bailey, Colonel Luigi Gregori and Brian Wilczynski*
17:50-20:00	**Drinks Reception** **Sponsored by Model Futures**

IntegratedEA
Enterprise Architecture

Day Two – 10th March 2010

08:30-09:00	**Welcome and Registration**
09:00-09:10	**Conference Introduction** *Ian Bailey, Model Futures*
09:10-09:40	**Keynote Address: MOD & Architectures: A Maturity Assessment** *Alistair Murray, UK MoD Key Systems Advisor*
09:40-10:10	**National Maritime Communications System – Practical Experiences Using MODAF within the SwAF** – Meeting the need of complexity management within the armed forces, creating traceability between operational context ("What we need to do") and systems ("How we do it"). – Scenario-driven approach to understand operational context. – Finding the right level of details ("What do we need to capture"). – Architectures to enhance understanding within the organisation. *Karl Hertz, Consultant, Front End Strategy* *Tommy Nordqvist, Ph.D., Managing Director, Front End Strategy* *Per Erik Mårdberg, FMV*
10:50-11:20	**Coffee Break**
11:20-11:50	**International Session: Singapore** **The Singapore Ministry of Defence's Approach to Enterprise Architecture** – Motivation for Enterprise Architecture – The MINDEF Enterprise Architecture Framework – The Business Transformation Approach – Leveraging on Model-Driven Architecture Technology – Challenges, Lessons Learnt and Benefits *Lim Han Chiew, Programme Manager, DSTA Master planning and Systems Architecting, Defence Science & Technology Agency* *Poon See Hong, Assistant Director, Ministry of Defence, Singapore* *Willy Lee Wee Lee, Senior Engineer, Ministry of Defence, Singapore*
11:50-12:20	**International Session: Italy** **How an enterprise architecture approach is helping to improve Network Enabled Capability (NEC).** *Commodore Osvaldo Brogi, Italian MOD* *Damian Almeida, Principal Consultant, VEGA Consulting Services Ltd*
12:20-13:20	**Lunch** **Sponsored by Vega**

13:20-13:50	**UPDM: the Unified Profile for DoDAF/MODAF** **Building bridges between nations, projects and within projects** − UPDM past, present and future: a short history − An overview of UPDM including proposed interchange efforts − A worked example of a UPDM model including transitioning to systems development *Matthew Hause, Chief Consulting Engineer, Atego and Co-Chair UPDM Group*
13:50-14:20	**Exploiting EA Tools and Approaches to Support RFP Processes** − How a capability-driven EA approach to the to RFP process has been applied in the private sector − Best practice for applying such an approach to the selection of services and IT solutions − New and innovative approach for providing decision support to bid processes in government and private sectors, by allowing customers to assess bid responses in the full context of their enterprise architecture − Demonstration of how EA modelling tools can be used to capture, integrate and analyse the information required to conduct the selection process *Jason Powell, Principal Architect, EAS ltd* *Jonathan Carter, Principal Architect, EAS ltd* *Keith Hardy, Defence Lead Architect*
14:20-14:50	**Coffee Break**
14:50-15:20	**Panel session: Getting more for less – EA in hard times** *Led by: Steve Winter, CTO, NATS* *With: Mike Philip, Enterprise Analysis and Architecture Practice Leader, VEGA*
15:20-15:50	**New and Innovative Approaches Session** **Use of an Activity Model to Underpin Enterprise Evolution in Capability Management** − An holistic engineering approach to capability development, management and sustainment which can be applied to any enterprise to support capability management. − A generic activity model which can be used to inform the development of engineering process, skills, competencies and techniques. − Providing a capability perspective on enterprise architecture. *Malcolm Touchin, Principal Consultant, Systems Engineering Innovation Centre* *Alan Harding, Consultant Systems Engineer, BAE Systems Integrated System Technologies*
15:50-16:20	**International Session: Norway** **How to set up and effectively manage an enterprise architecture model** − Why do we need an architecture repository in order to manage the architecture process? − Requirements for shared and distributed architecture development − The role of open technologies and vendor/product independence − How did we implement the architecture repository? − Lessons learned and future development *Major Espen Gjøs, Senior Architect, Norwegian Armed Forces* *Stig B. Dørmænen, Senior IT Architect, IBM*
	Close

Day Three – MODAF Seminar (11th March)

09:00-09:30	**Welcome and Registration**
09:30-11:00	**MODAF Seminar** **Ian Bailey, Model Futures Ltd.**
11:00-11:20	**Coffee Break**
11:20-12:30	**MODAF Seminar (cont.)** **Ian Bailey, Model Futures Ltd.**
12:30-13:00	**Light Lunch**

Please note that the seminar will be held at a different location to the main conference event. The seminar will take place in the Stephenson Room at One Birdcage Walk. On arrival at the venue, please register as a visitor and you will be given directions to the Stephenson Room.

Image Copyright Google Maps 2010

Speaker biographies:

Peder Blomqvist, CIO Strategist - CIO department - Swedish Armed Forces Supreme Commanders Staff, responsible for the CIO Strategy and directive program since 2007.

Peder has a civil background – educated within Computer Science (Technical High school) and University school of Management with over 25 years experiences in Information Technology. Peder have expert knowledge within areas like Networking and Information Infrastructure, IT standardization, Information Management, NEC centric and SOA and Architecture Framework development and practicing (FM AR, NAF, MODAF). Peder has a long experiences of developing, managing and running IT and CIO departments in a governmental (i.e. Swedish Defense Material Administration, Medical Product Agency) as well as in private sectors (i.e. Bank and Finance -SEB and as an IT infrastructure specialist consult). Peder has during the last 10 years been heavily involved in the Swedish Network Based Defense NEC program – responsible for the Architecture development, since 2005 Swedish rep in NATO OPEN SYSTEM WORKING GROUP developing the NISP (NATO Interoperability Standards and Profile) and NATO NEC (NNEC) related products, EDA (European Defense Agency) and the development of the EURONEC concept.

Commodore Osvaldo Brogi - Within his 29 year career in the Italian military CA Brogi has held a range of positions specialising in the design and integration of Italian Navy's combat systems & C4ISTAR capability. He is currently serving as Deputy Chief of Department & Programme Director of Defence Information Infrastructure (DII) for Italian MOD's C4ISTAR & Transformation Department.

Allen Brown is President and CEO of The Open Group, a vendor- and technology-neutral consortium that works towards enabling access to integrated information within and between enterprises based on open standards and global interoperability. For more than ten years, Mr. Brown has been responsible for driving the organization's strategic plan and day-to-day operations. In addition, he was instrumental in the creation of The Association of Open Group Enterprise Architects (AOGEA), which was formed to increase job opportunities for all of its members and elevate their market value by advancing professional excellence. Prior to joining The Open Group, Mr. Brown managed a consulting firm in London, which he founded in 1987. He enjoyed a mix of financial management and general management assignments, which included advising venture capitalists on investment decisions, and consulting on IT systems design and implementation.

Jonathan Carter is an Enterprise Architect with extensive experience of the architecture, design and implementation of large-scale integrated business solutions. He has comprehensive practical and architectural experience of integration approaches and technologies across a range of clients and market sectors, including managing the evaluation and introduction of new technologies. Jonathan is a co-founder of the Essential Project, an Enterprise Architecture community initiative providing free, open-source EA Tools.

Lim Han Chiew is the Programme Manager in the Defence Science & Technology Agency responsible for the development of the Ministry of Defence Corporate IT Enterprise Architecture. His work includes establishing the EA policy, the framework for architecture development, operationalising the infrastructure for architecting and governance, and the development of architecture reference models. He has more than 18 years of IT experience; which are mainly in the area of application development and enterprise architecture. His interest includes enterprise integration, model-driven development and information management.

Stig Dørmænen IT Architect, IBM Norway. With his educational background in philosophy and computer science, Mr. Dørmænen is a subject matter expert on (formal) modelling frameworks and semantic web technologies. He has specialized in Enterprise Architecture and is now working as an enterprise architect in IBM Global Business Services, Norway. Stig has recently completed a modelling effort for the Norwegian Armed Forces constructing a baseline architecture model of their major C2I systems according to the NATO Architecture Framework. As an upshot of this, he is now working on a project implementing an Architecture Repository based on the NC3A NAR prototype.

Thomas Engevall Rear Admiral (L.H.), Royal Swedish Navy is currently serving as Chief Information Officer (CIO) and Head of ERP Programmes in the Supreme Commanders Staff of Staff at the Swedish Armed Forces Headquarters, Stockholm, Sweden. He has a M.Sc. in Naval Architecture from Chalmers University of Technology, Gothenburg, Sweden. He graduated from Naval Command College, US Naval War College in Newport, R.I., in 1997. His previous assignments include duties as Chief of Staff for Plans and Policy Department as well as the Joint Forces Development Department at SwAF HQ, Program Manager for the Visby Class Stealth Corvettes at the Swedish Defence Materiel Administration (FMV), Deputy Director of the Technical Department of the Swedish National Defence College, Chief Staff Engineer Swedish Fleet Staff and Commander Sea Trials unit Smyge (Sweden's stealth test ship). Rear Admiral Engevall is a fellow of the Royal Swedish Academy of War Sciences, Royal Swedish Society for Naval Sciences, Swedish Naval Architectures Society and United States Naval Institute.

Espen Gjøs, Norwegian Armed Forces. Espen Gjos is an enterprise architect in the Norwegian Armed Forces. He is a national subject matter expert on NATO Architecture Framework (NAF), and has been involved in the revision of NAF. Mr Gjos is a national representative in NATO Open System Working Group (NOSWG).

Since mid 2005 Gjos has been working on establishing the necessary governance processes and tool support for architectural development in Norwegian Armed Forces. Gjos has also been heavily involved in developing Command Control Information Systems for the Norwegian Army.

LtCol Mikael Hagenbo has the position as a Chief Architect at the Swedish Armed Forces (SwAF) Joint CIO department. His main responsibility is to lead the development of SwAF Enterprise Architecture Framework (in which MODAF is a part) and also to co-ordinate, and in large extend execute, international co-operation within the architecture area. Mikael also actively supports the SwAF Model Based Capability Development initiative in close co-operation with the SwAF Development Department and the SwAF Joint Operations Directorate.

Mikael has a background as an Air Force C4ISR officer and has been working with Enterprise Architecture since January 2003 after graduating from the Advanced Technical Programme at the Swedish National Defence College.

Mikael represents Sweden in NATO C3 Board/SC-1/Policy Working Group - responsible body for e.g. NATO Architecture Framework, and has been involved during the whole development process of 2 ½ years of the NATO Architecture Framework (NAF) version 3 that was approved by NATO in November 22 2007.

Mikael also acts as an alternate representative in NATO C3 Board/SC-1/NATO Open Systems Working Group (NOSWG) - responsible body for NATO Interoperability Standards and Profiles (NISP).

Finally, Mikael acts as a Swedish representative in International Defence Enterprise Architecture Specification (IDEAS) management group and also co-ordinates the bilateral co-operation with MOD UK within the EA area.

Niklas Häggström is a senior IT-architect and a specialist in Enterprise Architecture and Service Oriented Architectures. Niklas has over 15 years of experience from architecture from his employments at IBM and now with Centric Labs of which he is an owner. Since 2004 Niklas has been heavily involved in the development of the Swedish Armed Forces Command and Control systems. During the last year Niklas has been acting as lead architect in a major engagement to the Swedish Defense Material Administration through the Network Enabling Systems Provider (NESP) consortium.

Keith Hardy is an Enterprise Architect currently with a Defence contractor working in the Logistics, Infrastructure, Administration and Secure Systems domains. Keith has over twenty years of architecture experience, previously working in the Aerospace, Supply Chain Management and Finance industries. Keith is also a certified TOGAF, MODAF, MSP and Prince2 practitioner.

Alan Harding is a Chief Systems Engineer within BAE Systems with 24 years experience in a variety of roles across domains in BAE Systems and its legacy companies BAeSEMA, Sema Group, and CAP Scientific. His particular areas of focus include architecture, through-life capability management, and sharing good practice between domains. Alan chairs the BAE Systems P&S/I Systems Engineering for TLCM Working Group. Alan represents BAE Systems on the INCOSE International Corporate Advisory Board, and he chairs the INCOSE UK Advisory Board.

Alan lives in the Shropshire countryside and when not working enjoys visiting English Heritage sites, supporting Arsenal Football Club, and tending his chickens.

Matthew Hause is Atego's Chief Consulting Engineer, is a member of the OMG SysML specification team, and the co-chair of the UPDM group. He has been developing complex systems for over 30 years. He started out working in the Power Systems Industry, and has been involved in Process Control, Communications, SCADA, Distributed Control, military systems and many other areas of technical and real-time systems. His roles have varied from project manager to developer. His role at Atego includes mentoring, sales presentations, standards development and training courses. He has written a series of white papers on project management, systems engineering, architectural modeling and systems development, and software development with UML, SysML and Architectural Frameworks. He has been a regular presenter at INCOSE, the IEEE, BCS, the IET and other conferences. Matthew studied Electrical Engineering at the University of New Mexico and Computer Science at the University of Houston, Texas.

Karl Hertz, Front End Strategy has been involved as Architect in several MODAF projects. Most recently he has had a major architectural role in:
- Swedish Armed Forces (Sw AF), Sea Force C2 – an architecture aimed at describing maritime "as is" communications systems in order to create a base-line for future development of Sea Forces C2.
- The architecture for a portal for "Model Based Capability Development" – a portal aimed at supporting Swedish Armed Forces Capability Development based on MODAF and ISO/IEC 15288.
- Common Operational Picture – an architectural effort with the purpose of supporting Swedish Armed Forces decision making.
-

Mr Hertz's philosophy regarding architectures in general and MODAF in particular is to make sure the end analyses using the models in focus can be made, as well as creating the right level of abstraction to advance understanding of the subject matter.

Per Erik Mårdberg, Swedish Defence Material Administration (FMV), is a senior Systems Engineer with extensive experience in Sw AF material acquisition. Mr Mårdberg is the project leader of "Swedish Armed Forces, Sea Force C2" mentioned above as well as one of the responsible persons within FMV Naval Procurement Command for System Definition using model based approaches (including for example MODAF). Mr. Mårdberg has also acted as a project manager for the Visby Class Corvettes Combat system.

David McDaniel began his career in 1979 programming guided missile and other weapons control systems for cruisers and destroyers in assembly language. He worked on the most mathematical parts of the systems – the engageability and schedulers - and was quickly recognized to support live at-sea tests of the U.S. Navy's newest long-range surface-to-air missiles, tests that were highly successful and led him to being promoted as a software engineering leader. He then moved on to the next big improvement in U.S. Navy surface combatants called the Advanced Combat Direction System where he was a key analyst and modeller for leading-edge sensor data fusion algorithms, particularly for multi-source target identification. This experience had two aspects that have shaped the past 20 years of Mr. McDaniel's career: 1) large intelligence-derived knowledge bases needed for the fusion reasoners, and 2) the need for multiple fusion centers to coordinate and interoperate. The former led Mr. McDaniel into work on ontologies and their relationship to reasoning (e.g., data fusion) in which he has been involved with and often a leader of research and development projects since that time. The latter led Mr. McDaniel into Naval Battle Group architecture, and then C4ISR architecture, and then IT architecture, and now Enterprise Architecture. The confluence of ontologies with EA data representations drew Mr. McDaniel

into International Defence Enterprise Architecture Specification (IDEAS) Group and into technical leadership for the DoDAF Meta Model (DM2) of which he will be speaking of at this conference.

Alistair Murray has been MOD's Key Systems Advisor since August 2008, recruited to provide demonstrable, independent and highly capable expert advice to the NEC Senior Responsible Owner (SRO) in the execution of Defence Enterprise Planning.

He brings 20 years experience in shaping, planning and delivering business, organisational and IT transformations in the Financial Services sector as a Senior Accenture Partner.

He has a track record in combining strategic thinking, strong communication and relationship skills, celebrated people development and leadership strengths, solid operational management direction and pragmatic implementation experience to deliver tangible results.

His most recent experience was with Lloyds TSB where he was both Group Chief Technology Officer (CTO) and Director of IT Transformation. His brief was to lead a group wide theme of Simplification which involved driving significant business and technical integration throughout the group as well as improving the capability and efficiency of the 3000 strong central IT function.

Previous to that Alistair has executive leadership roles in major transformations including culture change at National Australia Group, Royal Bank of Scotland, Standard Chartered Bank, Barclays Bank and several European banks.

Alistair is married to Tuija and has two children. He is obsessive about triathlon and motor sport.

Tommy Nordqvist, Front End Strategy AB, Ph D Thesis focused on "Systems Engineering" using Business Process Modelling, Task Analysis, Usability work and Modelling and Simulation as well as established Systems Engineering approaches as "ISO/OEC 15288 Systems Engineering Life Cycle Processes", ISO/IEC 12207 Software Engineering Life Cycle Processes". Dr. Nordqvist was also one of the prime authors of "IEEE Std 1516.3-2003 IEEE Recommended Practice for High Level (HLA) Federation Development and Execution Process (FEDEP). Dr. Nordqvist is now engaged in the development of Swedish Armed Forces method and tools for Capability Engineering, where Enterprise Architecture (MODAF), operational context (scenarios), business processes, organisation, competence/roles is a main driver. Dr. Nordqvist has also been involved in numerous architectural projects as "Common Operational Picture", Nordic Battle Group" as well as "Swedish Armed Forces, Sea Force C2".

Jason Powell, Principal Architect, EAS ltd is a co-founder of Enterprise Architecture Solutions Ltd, an independent IT consultancy formed in 2000 that specialises in IT strategy and its delivery through enterprise architecture. He has worked across a number of clients and market sectors undertaking various activities including Enterprise Architecture, IT Strategy and New Technology Introduction (e.g. SOA) as well as project based Solutions Architecture. Jason is also a co-founder of the Essential Project, an Enterprise Architecture community initiative providing free, open-source EA Tools.

Mike Philip is Practice Leader for VEGA's Enterprise Analysis and Architecture team. A mechanical engineer by training, Mike has over 25 years' experience from a diverse range of roles. He started his career as an engineer within in the civil aero engine division at Rolls Royce plc in Derby. From there he moved on to serve within the Royal Navy and then the Royal Air Force within the Intelligence Branch. Since leaving the RAF, Mike has held a variety of positions in technical and project consulting roles in SAIC and VEGA. Mike currently leads a Practice of some 30 consultants delivering enterprise analysis services covering business analysis, decision support, enterprise modelling, model-based systems engineering, and technical strategy and architectures.

Owen Sudlow currently leads a team that is engaged in consultancy and change management support to MOD and BAE Systems business units on the take-up and exploitation of "Through Life Capability Management" (TLCM), including development of pilot programmes and instantiations of appropriate techniques to deliver effective management information, enterprise architectures and operational analysis. He has a background in maritime programmes that has seen him work in the UK, United States of America and Australia.

Malcolm Touchin is the principal consultant at the Systems Engineering Innovation Centre in Loughborough, where he has worked for the last four years. He is a member of the BAE Systems working group which is advancing the company's Systems Engineering capability in response to the UK MoD's TLCM initiative. He has spent much of his career working on naval command and control systems, most recently as a member of the Mission Systems team of the Aircraft Carrier Alliance developing the system implementation for the Royal Navy's new Queen Elizabeth Class.

Brian Wilczynski has held a broad range of information technology positions within the Department of Defense (DoD) in his 23 years of service. He currently serves as Director of Enterprise Architecture & Standards (EA&S) within the Office of the DoD Chief Information Officer (DoD CIO). The EA&S Directorate is responsible for enterprise architecture policy and guidance and for establishing the frameworks and standards with which all Department architectures must conform.

Prior to positions on the staff of the DoD CIO, Mr. Wilczynski served on the staff of the Department of the Navy Chief Information Officer. Other assignments include technical positions with the National Imagery and Mapping Agency and the Defense Mapping Agency (DMA).

Mr. Wilczynski holds a Bachelor of Science from Michigan Technological University and a Master of Science in Information Systems from The George Washington University. He is a graduate of the Federal Executive Institute and a recipient of the Department of the Navy Meritorious Civilian Service Award and the DMA Outstanding Employee of the Year Award.

Steve Winter is the Chief Technologist for NATS, the UK's Air Traffic Control Organisation. NATS is a Public-Private Partnership, with an annual turnover in excess of £700M and controlling 2.5M flights per year. In his capacity, Steve is responsible for developing and implementing the technology strategy for the business. In addition, he is accountable for the overall architecture of NATS' operational systems, including Air Traffic Management, Communications, Navigation and Surveillance capabilities.

Steve is a certified Enterprise Architect and leads the company team of Enterprise and System Architects, the Technology Strategy Group (TSG). Steve introduced Enterprise Architecture methods and Architecture Frameworks, such as MODAF (the Ministry Of Defence Architecture Framework) to NATS.

Before joining NATS in 2006, Steve was the Technology Director for Raytheon's Airspace Management and Homeland Security business area, based in Marlborough, MA, USA.
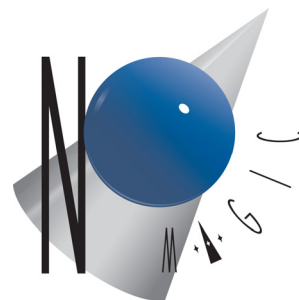
From 2001, Steve focussed on advanced system architectures and enterprise architecture (EA). This included working with the U.S. Government's Joint Planning and Development Office (JPDO) to establish the architecture for the future U.S. air transportation system, NextGen.

Steve has an MA(Cantab) in Mathematics from Pembroke College, Cambridge University. He is a member of the Air Traffic Control Association (ATCA).

John Zachman is the originator of the "Framework for Enterprise Architecture" which has received broad acceptance around the world as an integrative framework, or "periodic table" of descriptive representations for Enterprises. Mr. Zachman is not only known for this work on Enterprise Architecture, but is also known for his early contributions to IBM's Information Strategy methodology (Business Systems Planning) as well as to their Executive team planning techniques (Intensive Planning).

Mr. Zachman retired from IBM in 1990, having served them for 26 years. He is the Chief Executive Officer of his own education and consulting business, Zachman International. He also is Chairman of the Board of Zachman Framework Associates, a worldwide consortium managing conformance to The Zachman Framework™ principles and Chief Executive Officer of the Zachman Institute for Framework Advancement (ZIFA), an organization dedicated to advancing the conceptual and implementation states of the art in Enterprise Architecture.

Exhibitors

IBM

VEGA
A Finmeccanica Company

atego™

NO MAGIC

BMT Hi-Q Sigma
"Where will our knowledge take you?"

Salamander
solutions for the agile enterprise

mega

FRONTEND

Reply
gluu

Media Partners

UKCeB

ARCHITECTURE
&GOVERNANCE magazine

Company profiles (where provided):

VEGA is a professional services company that delivers technology-enabled change in complex environments, often where security and resilience are key.

We offer independent expert advice and pragmatic solutions to help our clients meet their transformation challenges with confidence.

VEGA represents a wealth of EA knowledge and expertise; built up over many years supporting the interoperability requirements of the UK MOD. We provide an independent assessment of the transformation objectives and, adopting the most appropriate toolset for the requirement, tailor solutions to match an organisation's specific transformation requirement.

Atego™ is the leading independent supplier of industrial-grade, collaborative development tools for engineering complex, mission- and safety-critical architectures, systems, software and hardware. Atego delivers a stable, robust working environment to thousands of users across an extensive range of complex applications in demanding engineering sectors such as aerospace, defense, automotive, transportation, telecommunications, electronics, and medical. Atego's Aonix PERC® is the leading, highly reliable, real-time embedded virtual machine solution for running Java™ programs deployed today. Atego also has the largest number of certified Ada applications (Aonix ObjectAda®) at the highest level of criticality. Atego's standards-based modeling tool suite, Artisan Studio®, provides comprehensive support for the leading industry standards, including OMG SysML, UML and Architectural Frameworks. Atego Workbench™ provides a fully integrated, collaborative engineering framework for the trouble-free deployment and maintenance of best-in-class tools for mission and safety-critical systems and software development. Atego's tools deliver on the promise of an integrated collaborative development environment - allowing architecture, systems, software and hardware engineering teams to Work as One℠ - from concept through to delivery, maintenance and support. Founded in 2010 in a merger between Artisan Software Tools and Aonix, Atego is headquartered in San Diego, CA, USA and Cheltenham, UK with offices in France, Germany and Italy, and is supported by a global distributor network. For more information visit: www.Atego.com.

IBM® Rational® helps customers deliver greater value from their investments in software and systems -- which means smarter products with higher levels of innovation and competitive differentiation. Powered by Jazz, the Rational Software Platform for Systems helps you align IT and systems development and delivery efforts with your business needs. This highly collaborative environment spans the entire product lifecycle with a complete and fully integrated set of products, services, and best practices for systems delivery.

BMT Hi-Q Sigma is part of the BMT Group, an international network of 29 subsidiaries providing engineering, design and risk management consultancy in 60 countries, with 1300 employees worldwide. Its formation on 1st October 2009, through the merger of BMT Sigma and BMT Hi-Q Systems, was the culmination of several years of planning to develop an holistic offering combining programme management and systems engineering. An Independent Employee Benefit Trust with no manufacturing or supply chain interests, we provide impartial advice, assistance and assurance to both the public and private sector.

We help to deliver complex Programmes through the integration of Programme Management, Enterprise Architecture and Systems Engineering. This means that you maintain a clear picture of your goals and how they are being realised, which builds the coherence you need to make informed decisions. Hi-Q Sigma currently helps its consistently satisfied customers to bring clarity to complexity across a wide range of operational programmes.

Front End Strategy is a consultancy company specialized in Enterprise Architecture (MODAF, NAF, DODAF), Requirements Engineering and Modeling & Simulation. Front End has performed work under contract of Swedish Armed Forces and Swedish Defence Material Administration. Example of projects are Nordic Battle Group, The Future Soldier, Maritime Command & Control, and Common Operational Picture. Front End has also developed methods and tools for Model Based Capability Engineering. Front End has experience in multiple tools such as Salamander MooD, IBM Rational System Architect and IBM RationalDoors. Front End is also the editor of modaf.se

Glue Reply is UK's leading consulting services organisation focused exclusively on optimising IT/Business alignment and minimising the cost of business and IT technology change. Our core proposition is to help organisations maximise the value from their change and technology investments by helping them define, design, implement and resource best practice:
- Enterprise architecture, incorporating the information and data architecture domains
- Data management & data governance
- Business and technology change management processes, roadmaps and competencies
- Business design and process management initiatives
- SOA and integration architecture, methods and platforms

MEGA helps companies understand and reduce operational complexity, establish successful governance, and manage associated risks. To do this, MEGA provides essential software solutions based on a powerful product suite, standard methodologies, and specialized consulting services. MEGA provides enterprise architecture (EA), business process analysis (BPA), and governance, risk, and compliance (GRC) solutions to over 70,000 users worldwide. Our business process driven solutions are based on 19 years experience in business process understand and optimization. MEGA is the only major player recognized by leading analysts in their EA, BPA and GRC business software reports. Clients include AT&T, Co-operative Financial Services, DirecTV, Morgan Stanley, the British Ministry of Justice, NASA, Nissan, Renault, and Wyeth.

No Magic, for over 14 years a leading provider of business process and architecture modelling solutions with its MagicDraw® and Cameo™ product lines, supports the full life-cycle from the requirement and planning process through final testing with award-winning, OMG standards-compliant software that quickly architects and models your organizational structure, business processes, applications, information and technology.

The MagicDraw UPDM plugin offers DoDAF, MODAF and NAF compliance via a UPDM solution. The UPDM plugin for MagicDraw UML/SysML modelling solution fully supports all architectural framework products. The UPDM plugin supports all UPDM products, sample project for UPDM, UPDM usability features, DoDAF & MODAF project templates and role-based customizable user interfaces to simplify tasks for improved mission results. UPDM validation helps to ensure Enterprise Architecture models are correct while identifying errors in the model.

No Magic also has extensive training and consulting expertise in Requirements Management, UML, BPMN, SysML, UPDM/DoDAF/MoDAF, Model Driven Development, Unit testing, Data modelling.

Salamander is an independent, privately-owned UK Company that has engaged actively with MOD, National Security and Industry for more than ten years. With our MooD technology and our supporting solutions and services, our customers have been able to tackle the complexity in their business to achieve improved governance and decision effectiveness, yielding enhanced delivery performance and intelligent savings.

Through delivering successful business outcomes we have grown into a respected player with close and continuing involvement in many key MOD domains, including Capability Management, Enterprise Architecture, Business Process Coherence, Business Transformation and Performance Management.

Salamander is the inventor and developer of MooD, the leading Enterprise Business Architecture software in the Defence and National Security domains. Also of M4, the fully comprehensive MODAF 1.2 Blueprint for MooD.

IntegratedEA
Enterprise Architecture

Sponsors

Main Conference Sponsor

Day One Panel Session Sponsor

Badge & Coffee Break Sponsor

Drinks Reception Sponsor

www.integrated-ea.com