

# CURRICULUM VITAE

## PERSONAL DETAILS

NAME	David Spence Wynn CEng, BSc(Hons), MBCS, CITP	DATE OF BIRTH	12 <sup>th</sup> October 1958
NATIONALITY	British	CONTACT	+44 7961 551515

## QUALIFICATIONS

### TRAINING

2011	CMMI-SRV 1 day extension training CMMI V1.3 update training
2008	CMMI-ACQ 1 day extension training Understanding CMMI High Maturity Practices , SEI, Pittsburgh, Certificate
2007	CMMI V1.2 Training, SEI, online, Examination
2005	BS15000 Auditor Course, pro-attivo, Preston, Certificate
2005	SCAMPI B & C Lead Training, SEI, London
2003	SCAMPI Lead Appraiser Training, SEI, Pittsburgh, Certificate
2003	Intermediate CMMI, SEI, Pittsburgh, Certificate
2003	Introduction to CMMI, SEI, Pittsburgh, Certificate
2001	SEI CMM Lead Evaluator Training, SEI, Pittsburgh, Certificate
1999 to 2000	ISO 9000:2000 training, LRQA
1999	Introduction to SEI CMM, SEI, Pittsburgh, Certificate
1998	Zenger Miller Trainer Training, CSC, Birmingham Certificate
1995	QS9000 course, Gothenburg, Sweden Certificate
1995	Advanced TickIT Auditing course, Lloyd's Register of Shipping, Corby
1994	Medical Devices Training Course for EEC Directive 93/42 and Quality System Standard BS EN 46001:1994, LRQA Training Services, Coventry, Certificate
1992	TickIT Auditors Course (Gilbert Europe), British Aerospace, Samesbury, Certificate of Achievement
1992	Software Quality Assurance & Testing Course, Learning Tree International, London, Certificate of Completion
1983 to 1989	Advanced Ada Workshop Ada Programming DEC VAX/VMS Systems Management DEC VAX/VMS Operating System Internals DEC VAX/VMS Device Drivers

### EDUCATION

1989 to 1992	Brough Management Development Programme, British Aerospace, Brough & The University of Hull Certificate of Management Studies
1977 to 1980	The University of Hull Special Degree of Bachelor of Science (Honours) Class 11(11) in Computational Science
Third year	Project, Artificial Intelligence, Systems Analysis, Microprocessors, Compiler Design (2), Operating Systems, Software Techniques
Second year	Problem Solving, Programming Languages (2), Computer Architectures, Software Techniques (1), Compiler Design (1), Data Processing, Assembly Languages, Database Management, Real-time Systems
First year	Numerical Analysis, Calculus, Linear Mathematics, Discrete Mathematics, Statistics, Logical Design, Data Structures, Sorting & Searching Techniques, Programming Languages (1)
1972 - 1977	Kelvin Hall, Bricknell Avenue, Hull

## **EXPERIENCE**

**September 2009 to Present**     **Omniprove Ltd**  
*Managing Director*

Provision of process improvement, system assessments and business assurance services based around ISO/IEC 9001, ISO/IEC 20000, TickIT and TickITplus, CMMI-DEV, CMMI-ACQ and Sarbanes-Oxley entity level assessments.

Member of the Joint TickIT/Industry Steering Committee (JTISC) with responsibility for developing the TickITplus BPL processes and database. Development and delivery of TickITplus Foundation Course. First TickITplus Capability Assessor.

Author of the TickITplus Core Scheme Requirements, Kick Start Guide and co-author of the TickITplus Base Process Library – Guidance.

**March 1998 to August 2009**     **CSC Computer Sciences Ltd**  
**Farnborough**  
*Principal Quality Management Consultant*

Working with CSC and external clients towards process improvements and formal appraisals based on the SEI CMMI Capability Maturity Model. Conducting authorised SEI SCAMPI Class A, B and C appraisals on behalf CSC and external clients. Contributions to internationally recognised conferences and publications, including presentations at the European SEPG, series of articles for TickIT International and publications for Quality World.

Provision of technical advice, expertise and training in the SEI CMM model across all business units within CSC UKD. Leading SEI internal Software Capability Evaluation and conducting SEI walkthroughs in preparation for the level 2 capability evaluation, achieved August 2000 the level 3 capability evaluation achieved September 2001 with no reported weaknesses, and the level 5 capability in August 2002.

Providing assistance, support, training and audits throughout the transition to ISO 9001:2000 in CSC UKD. Joint development and delivery of an internal two day ISO 9001:2000 auditor conversion course. Developed, managed and participated in the integration of ISO 9001:2000 surveillance visit with continuous CMMI Class 'B' appraisals as part of enforcing ongoing awareness of the CMMI initiatives.

Conducted ISO 9001 internal audits and second party audits on suppliers of IT services in support of all CSC outsourcing, consultancy, and support operations.

Subcontract work to LRQA including the provision of QMS and TickIT audits and delivery of the IRCA registered Lead TickIT auditor's course including audits to the new ISO 9001:2000 standard. Involved in the successful integration of ISO 9001:2000 and Sarbanes-Oxley assessments for one client.

**March 1998 to June 1999**     *Quality Manager, CSC - Ford Business Unit, Daventry*

Development and maintenance of the Ford Business Units Quality Management System to ensure continued delivery of a quality service to the client and compliance with ISO 9001:1994.

Subcontract work to LRQA including the provision of QMS and TickIT audits and delivery of the IRCA registered Lead TickIT auditors course

**April 1994 to February 1998**     **Lloyd's Register Quality Assurance Limited**  
**Hiramford, Middlemarch Office Village, Siskin Drive, Coventry**  
*QMS Assessor*  
*Home based*

Undertaking the delivery of LRQA assessment services including over 250 assessment or surveillance days and involving recommending approval, deferral, suspension or withdrawal of certificates. Delivering the IRCA registered Lead TickIT Auditor and Internal Software Auditing courses. Development of the 1 day LRQA Auditing in an IT environment course. Assessments and training has been given world-wide, including

assessments in China, South Korea & Europe and one Lead TickIT Auditors course given in South Korea.

The assessment standards included ISO 9001, TickIT, GS9000 and the BS EN 46001. Assessment topics required to be covered by these standards include, management responsibilities, management system documentation, learning and development, contractual arrangements, design, development and testing, support, maintenance, configuration management, procurement and vendor arrangements, internal auditing, corrective and preventive actions, and continuous improvement.

Assessment tasks include conducting preliminary assessments, initial assessment, follow-up visits, surveillance's and certificate renewals to clients from many industrial sectors. These clients range from small companies to large multinational corporations in many countries, requiring, on occasions, assessments to be conducted through translators, for example at Hyundai Motors & Hyundai Information Technology.

An important element of the job involves planning and managing the complete assessment, including programme production, assessment team management and briefings, travel, co-ordination of multi-site issues, and full reporting.

Assessments necessitate meetings, interviews and discussions with a wide range of client personnel, including board room executives, senior management, supervisors and technical specialists. Reporting involves producing and agreeing Non-compliance Notes, observation reports and assessment paperwork in a timely manner during the assessment. When necessary formal preliminary assessment reports are prepared.

Tailored and delivered the Internal Software Auditing course for a specific LRQA client and developed a one day add-on module to the normal Internal Auditing course covering auditing in an IT environment for non-IT auditors.

**September 1980  
to April 1994**

*March 1992 to  
April 1994*

**British Aerospace Defence Limited,  
Military Aircraft Division, Brough**

*Quality Manager – Software  
Quality Department, Brough*

Undertook all software Quality Assurance activities across the Brough site, including audits, vendor assessments and approvals, product reviews, investigations and corrective actions. Support was given on software Quality Management Systems, Quality plans, interpretation of requirements and Customer liaison.

Responsibilities included the co-ordinated introduction of Statistical Process Control techniques across the site after thorough evaluation, consultation and consideration of divisional policies.

The management of the Calibration Laboratory handling over 17,000 items across the Brough site per year.

*November 1988 to  
March 1992*

*Principal Engineer - Airborne Software  
Systems Computing Department, Brough*

Established an Airborne Software development capability on the Brough site, including recruitment, training, resourcing, planning and reporting. The team expanded from two to over forty software engineers, including trainees, graduates, mature staff and sub-contractors.

Responsible for the project management of three European Fighter Aircraft (EFA) mission critical software packages using CORE, HOOD and Ada with adherence to project standards and procedures.

Accountable for the subcontract development of Hawk software, including contractual and technical negotiations, supplier management and oversight, vendor work product reviews and approvals. Accountable for the provision of a Hawk Software Quality Management System capable of allowing future in-house Hawk software development.

Conducted second party quality assurance audits on a range of suppliers involved in the Hawk and EFA programmes.

Responsible for the co-ordination of the Departments capital submissions, budgets, training, software library, recruitment, computing facility and office equipment involving other functional groups, departments and suppliers as necessary. Deputised for the Head

of Department in his absence.

**February 1988 to  
November 1988**

**Staff Engineer  
Avionics Systems Department, Brough**

Responsible for the Military Aircraft Division Computer Aided Tactics programme at the Brough site. This involved the development of advanced mission management software and subsequent Rig demonstration to divisional Directors.

Produced the specification for sub-contract development of the EFABus prototyping facility in support of the European Fighter Aircraft development programme, managed the supplier and conducted acceptance of the facility. Co-ordinated the internal development of an EFABus modelling package.

Provided specialised software support and advice during the installation and commissioning of the BAe Hawk Avionics Development Rig at Brough.

**December 1984 to  
February 1988**

**Engineer in Charge  
Avionics Systems Demonstrator Rig (ASDR)**

Specified the Stage 3 Mil-Std-1553B Bus Controller firmware enhancements and managed the sub-contract process through to a successful completion. Assisted in the approval of all Stage 3 Finite State system integration specifications for sub-contract development, including review of vendor submissions, vendor progress meetings, and work product acceptance.

Responsible for the production of specialised in-house Rig software and for the support to on-site sub-contractors during acceptance tests and integration.

Presentations and demonstrations of software tools, techniques and methods adopted throughout the ASDR project to senior British Aerospace management, Industry and Ministry of Defence representatives.

Responsible for the management of the computing facility supporting the ASDR project including, support, maintenance, enhancements, and procurement, liaison and support to IT equipment vendors.

**March 1981 to  
December 1984**

**Engineer  
Avionics Systems Demonstrator Rig (ASDR)**

Conversion of a linear aerodynamic model into a non-linear real-time model used in support of the Rig. Production of the Stage 1 Mil-Std-1553B Bus Controller executive software using a Coral 66 cross development system.

Development of a specialised Finite State Specification and Simulation package in VAX/VMS Pascal to support the production of complex avionics subsystem specifications.

Technical overseeing of the subcontract with the University of Hull to provide a system specification technique based on Finite State principles.

Participation in the working group responsible for the production of R & D and Airborne Software Standards for use throughout the Technical Department.

**September 1980 to  
March 1981**

**Graduate Trainee  
Business Systems, Brough**

Designed, developed and implemented a specialised data processing tape management system for the ICL mainframe.

## **ACHIEVEMENTS**

April 2012	Co-author of the TickITplus Base Process Library Guidance, ISBN 978 0 580 78381 4
June 2011	Upgrade to SCAMPI V1.3 Class A Lead Appraiser
April 2011	Author of the TickITplus Kick Start Guide (ISBN 978-0-580-74632-1), Core Scheme Requirements (ISBN 978 0 580 76612 1) and lead Author of the Base Process Library (ISBN 978-0-580-74973-5)
December 2009	First TickITplus Capability Assessor sanctioned by JTISC.
June 2009	Certified SCAMPI Class A Lead Appraiser

March 2009 Special Report, SEI, CMU/SEI-2009-SR-005  
An Initial Comparative Analysis of the CMMI Version 1.2 Development Constellation and the ISO 9000 Family  
Dave Wynn, David Kitson, Robert Vickroy, John Walz

September 2008 Authorised CMMI-ACQ Lead Assessor

April 2007 Paper (Part 3), Published, TickIT International 2Q07  
A One-stop Shop? – Part III Obtaining Maximum Advantage From Your Surveillance Audit or ‘all grass is green but not everything green is grass’  
Dave Wynn

February 2007 to March 2009 SEI invited co-author of a SEI Special Report on the relationship between CMMI and ISO 9001, Publication date TBD

2006 to date Invited member of the JTISC WG3  
Joint TickIT/Industry Steering Committee with responsibility for producing the future roadmap defining where the TickIT scheme should go. Developed the TickITplus BPL processes and database. Development and delivery of TickITplus Foundation Course.

January 2006 Paper (Part 2), Published, TickIT International 1Q06  
A One-stop Shop? – Part II Obtaining Maximum Advantage From Your Surveillance Audit  
Dave Wynn

October 2005 Paper (Part 1), Published, TickIT International 4Q05  
Surveillance – a One-stop Shop? Obtaining Maximum Advantage From Your Surveillance Audit  
Dave Wynn

October 2005 Presentation, BAE SYSTEMS SPIRE Conference, Hinkley, UK  
A Practical Look at Combined ISO 9001 & SEI CMM(I) Surveillance Visits  
Dave Wynn

June 2004 Joint Presentation, European SEPG, London  
Surveillance: an approach to supporting multiple process improvement initiatives  
Dave Wynn (CSC) & Mike Phillips (SEI)

May 2004 BCS Chartered Member

February 2004 Authorised SCAMPI Class A Lead Appraiser, authorisation number 0300372-01, 3 years

October 2003 Paper, Published, TickIT International 4Q03  
Simplifying the SEI SW-CMM Through Common Features  
Dave Wynn

November 2003 Licensed SEI CMM Lead Evaluator 2 year renewal

October 2003 Chartered Engineer

February 2003 Member of the BCS

2001 Register ISO 9001:2000/TickIT Lead auditor

May 2001 Licensed SEI CMM Lead Evaluator, registration number 0100759-E 2 years

November 1995 Registered QS9000 Assessor

December 1994 Jointly conducted the first TickIT assessment in the Peoples Republic of China and the second TickIT assessment in South Korea.

July 1994 to current Registered Senior TickIT auditor and Lead Assessor

October 1993 Registered Provisional TickIT auditor

November 1988 Joint Paper, Published, ERA Technology Ltd.  
Seminar & Exhibition on Military Avionics Architectures for Today and Tomorrow.  
"Using Finite State Techniques Through Specification to Implementation of Embedded Software"  
D.S.Wynn & D.J.Sharpe, British Aerospace PLC.

March 1988 Presentation to the Institute of Mechanical Engineers on  
Techniques required to design and develop Mil-Std-1553B databus systems.

November 1986 to October 1988 Member of the ASSC Avionics Software Engineering Working group.  
The objectives of this forum are to allow Ministry of Defence and Industry to review, comment and propose changes to the emerging NATO software standards, methodologies and tools. Of particular concern are the standards required for the production of safety critical software, including language safe subsets.

