FRANS J. C. MARTINS

TECHNICAL PROJECTS | QUALITY MANAGEMENT | CORPORATE TRAINING & EDUCATION

South Africa • +27 83 255 0336 • fjcmartins.com@gmail.com



PROFESSIONAL PROFILE

Experienced technical project, quality management and training professional with over ten years at BAE Systems supporting the Royal Saudi Air Force (RSAF). Co-led implementation of the metrology-support workstream for Eurofighter Typhoon integration. Combines aviation calibration and ISO/IEC 17025-aligned quality systems with process improvement, operational reporting, cross-functional coordination and senior stakeholder advisory work. Also brings substantial experience in higher-education lecturing, technical upskilling, Business English instruction and instructional design, strengthened by recently completed TEFL and IELTS preparation teaching qualifications.

CORE COMPETENCIES

- Technical project planning and delivery
- Quality assurance and ISO/IEC 17025
- Operational workflows, databases and reports
- Technical training and curriculum development
- Aviation metrology and calibration support
- Auditing, corrective action and compliance
- Stakeholder engagement and technical advice
- Business English and workplace communication

MAJOR PROJECT | EUROFIGHTER TYPHOON INTEGRATION

Co-Lead – Metrology Support Implementation • BAE Systems / Royal Saudi Air Force

- Co-led a major technical workstream establishing metrology support for the Eurofighter Typhoon during its integration into RSAF operations, addressing aircraft-support requirements, calibration capabilities and quality readiness.
- Helped translate technical, operational and compliance requirements into laboratory procedures, equipment verification activities and auditable controls across BAE Systems and RSAF stakeholders.
- Designed an ISO/IEC 17025-based audit checklist for Rolls-Royce in connection with a Typhoon compliance requirement and supported the alignment of local laboratory practices with relevant standards.

PROFESSIONAL EMPLOYMENT

Quality Assurance Specialist | Oct 2008 – Nov 2018

BAE Systems • Taif, Saudi Arabia • RSAF MetCal / SCS support

- Led development of an internal audit programme, harmonising laboratory business-unit checklists with RSAF directives, technical orders and ISO/IEC 17025-aligned expectations.
- Oversaw quality-verification activities, technical records and calibration checks for test and measurement equipment supporting Typhoon, F-15, Hawk, C-130, helicopters and other aircraft.
- Conducted or reviewed inspection and recalibration work across electrical, radio-frequency, time/frequency, pressure, temperature, mechanical, optical and aircraft-specific equipment.
- Developed and maintained operational databases; improved QA report generation, document control, record storage and information traceability.
- Applied statistical process control when required; monitored laboratory compliance, technical publications, facility conditions, equipment status and customer satisfaction.
- Produced weekly and monthly quality reports and advised senior BAE Systems and RSAF management on technical issues, quality risks and corrective action; deputised for the SCS Superintendent as required.
- Designed, introduced and maintained a Level 7 RSAF technician upskilling programme and provided technical and workplace English training to personnel.

Technician Type II | Apr 2008 – Oct 2008

BAE Systems • Dhahran, Saudi Arabia

- Calibrated and repaired test equipment and trained RSAF technicians in technical equipment practices and procedures.

Independent Sound Engineer and Music Educator | Nov 2018 – Present

Self-employed • South Africa

- Provide studio recording, audio engineering and technical music production services; teach music at a music school and work directly with learners and clients.

Director | Aug 2026 – Present

CAPEXIT NPO • South Africa

TRAINING, LECTURING AND INSTRUCTIONAL EXPERIENCE

Technical Training Programme Designer and Instructor | 2008 – 2018

BAE Systems • RSAF MetCal, Taif and Dhahran

- Designed, developed, implemented and maintained a structured Level 7 upskilling programme for RSAF technicians, drawing on practical technical disciplines, quality-control requirements and workplace procedures.
- Delivered technical instruction and on-the-job coaching for RSAF technicians, using calibration, inspection and technical documentation examples from the operational environment.

Business English and Technical Communication Trainer | 2008 – 2018

BAE Systems • RSAF officers and technicians

- Taught practical workplace English focused on composing business emails, compiling technical reports, preparing procedures, writing quality manuals and communicating in a technical and military environment.
- Integrated language and documentation skills into a wider technical development programme for adult professionals.

Lecturer – Management and Technical Programmes | 1996 – 2006

Diploma and degree-level courses

- Lectured in Diploma in Project Management, Diploma in Production Supervision and Diploma in Production Management programmes.
- Taught Implementation of Total Quality Management as a subject in a Bachelor of Technology programme (1998).

Other Teaching Experience | 2008 – 2026

Music and mathematics instruction

- Teach Air Force Officers in Metrology, ISO17025 and Business/Technical English
- Teach music as part of independent professional work.
- Developed learner-centred vocabulary, grammar, authentic-text and speaking materials during formal Level 5 TEFL training, including activities for one-to-one and group lessons.

ENGLISH TEACHING AND ASSESSMENT QUALIFICATIONS

- 2026 — Qualifi Level 5 Diploma in Teaching English as a Foreign Language (TEFL), 168 hours — completed through The TEFL Academy.
- 2026 — Teaching IELTS Exam Preparation, 30 hours — The TEFL Institute; completed.
- 2026 — Teaching Business English, 30 hours — The TEFL Academy & The TEFL Institute; completed.
- 2026 — Teaching English Online and One-to-One, 30 hours — The TEFL Academy; completed.
- 2026 — Teaching English to Young Learners, 30 hours — The TEFL Academy; completed.
- 2006 — Competence in Outcomes-Based Assessment, NQF Level 5; previously registered as an assessor with various SETAs.

TECHNICAL, MANAGEMENT AND ACADEMIC QUALIFICATIONS

- 2006 — Bachelor of Theology (BTh).
- 1998 — Certificate of Competence — Pressure Metrology.
- 1997 — National Higher Diploma — Total Quality Management (M+4; five distinctions; BTech-equivalent qualification).
- 1997 — City & Guilds (UK) — Quality Assurance Parts I and II.
- 1995 — National Diploma — Production Management (M+3; five distinctions).
- 1985 — Certificates of Competence — Electrical Metrology and Time & Frequency Metrology; Radio Frequency Metrology coursework.
- 1981 — Trade Certificate — Aircraft Radio Technician.

METHODS, SYSTEMS AND DIGITAL TOOLS

ISO/IEC 17025 principles • Technical and compliance audits • TMDE / calibration • Quality verification inspections • Statistical process control (SPC) • Controlled technical records • RSAF / BAE technical orders • Operational databases • Microsoft Project, Excel, Access, Word, PowerPoint • Mac productivity software • Audio production / Logic Pro • Basic web-development tools • Online English Teaching Platforms, ClassIn, Zoom

PROFESSIONAL STATUS AND COMMITTEES

Previously held Chartered Quality Professional (Chartered Quality Institute, UK), Registered Engineering Technician and Registered Production Manager status; some registrations have lapsed and may require reinstatement. Former member of SANAS specialist technical committees for Time & Frequency and Pressure, and of the SANAS Pressure Accreditation Committee (until 2008).

AWARDS AND RECOGNITION

- 2018 — RSAF commendations for professional service and contribution across levels of command.
- 2010 — RSAF / BAE Employee of the Month (February), recognising technical training and ISO/IEC 17025 work.
- 2001 — MIG award — Best SANAS Pressure Laboratory.
- 1997 — Best second-year student, National Higher Diploma in Total Quality Management.
- 1994 — MIG award — Best SANAS AC Laboratory.

LANGUAGE AND REFERENCES

English: proficient. • Copies of qualifications and references available on request.