



Quorum Capability Profile

Quorum Logistic Support Limited (Quorum) provides a broad knowledge base covering all aspects of Integrated Logistic Support (ILS) and support related activities such as Safety, Risk and Project Management.

The ILS process aims to influence design on new equipment, assess impact on supportability where design is fixed, determine the support requirements and identify Whole Life Costs (WLC) with the objective of:

- Maximising Supportability;
- Optimising Costs;
- Ensuring Capability.

By strategic planning, identifying risks, and influencing design by the focused application of ILS, Quorum ensure that the designed system is usable, sustainable and meets the required capability during its intended life in the most cost efficient and operationally effective manner.

Knowledge, experience and analysis

Services:

The range of consultancy services includes:

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| ■ ILS Management; | ■ Technical Documentation; |
| ■ LSA (Logistic Support Analysis); | ■ Project Management; |
| ■ SSP (Supply Support Planning); | ■ Safety Analysis and Management; |
| ■ LCC (Life Cycle Costing); | ■ Risk Analysis and Management; |
| ■ CLS (Contractor Logistic Support); | ■ ARM (Availability, Reliability and Maintainability); |
| ■ TNA (Training Needs Analysis); | ■ HFI (Human Factors Integration); |
| ■ ILS/R&M/Safety Training Courses; | ■ TLCM (Through Life Capability Management). |

Projects:

Some of our projects to date are:

- GD UK, Future Rapid Effects System (FRES) Specialist Vehicle: As part of the bid proposal Quorum developed the ISP, LSAP and R&M Plans including review of all related Element Plans and documents such as ILS SOW, SDRL and the FMECA templates. Additionally, the development of the Executive Summary for the Support Volume, HUMS Strategy and the TLCM Plan;
- LM UK, Warrior Capability Sustainment Programme (WCSP): providing R&M Support including Planning, predictions, R&M Modelling, Case Development and planning for Reliability Growth Trials (RGT);
- Ultra Electronics Electrics, Warrior Enhanced Electronic Architecture (WEEA): The full spectrum of ILS Documentation covering the following range of equipments;
 - Situational Awareness System (Cameras and Video Splitter Box and Displays)
 - Central Processing Units
 - Hull Systems (Hull Distribution, Signal Distribution, Crew Lights)
 - Turret Power Management
 - Driver Crew Station (Instrument Panel, Thermal Imaging Systems)
 - Electrical Power System (Auxiliary Power Unit, Power Nodes, Battery Management System)
- CTAI, 40mm Cannon: Development of a Supportability Report covering all ILS elements including R&M. Delivery of LORA and Ease of Maintenance Reports including documentation of tools, test equipment, facilities and spares based on the preliminary FMECA;
- Caterpillar Defence Products: R&M support and development of Fault Diagnosis Charts for the Terrier Programme;
- MAN Truck & Bus Ltd, Support Vehicle (SV): Responded to all ILS SOW requirements as ILS Prime Contractor for MAN Truck & Bus UK Ltd on all aspects of ILS, AR&M, Safety Case Management, Risk Management, & provision of the V&V database;
- Alvis Vickers Ltd, Future Command and Liaison Vehicle (FCLV) - PANTHER: ILS Management, Development of CLS Solution, Development of ILS Plans, LSA Tailoring, Risk and Safety Management and the development of Microsoft Access based Risk and Safety Software tools;
- Vickers Ltd, Engineer Tank System (ETS): LSA Management and Planning, Requirement Specifications, Reliability & Maintainability Predictions and modelling, Failure Trends, RGT and trials modelling;
- EKA UK Ltd, SV Recovery Vehicle: Full range of ILS activities for the recovery vehicles including population of an LSAR;
- Logica, DABINETT: ISTAR Project, preparation of Concept Phase ILS planning documentation for Initial Gate Approval;
- Logica, MAKEFAST (BISA): ITT Bid Response for the ILS Elements including generation of ISP, LSAP, R&M Plan and TNA Study Plan;

- Logica, Project P: ISTAR Cat A System as part of a consortia consisting of Raytheon US, IBM UK, GD-US, LogicaCMG, EDS and QinetiQ;
- BAE SYSTEMS, Platform BISA (BOWMAN): ILS Management, Planning and Preparation of deliverables;
- CSIS IPT, Modernised Integrated Database (MIDB): ISTAR project, preparation of required ILS Documentation for ITT and Main Gate Approval within the CSIS IPT;
- Ultra Electronics, Watchkeeper: Development of ILS documentation to meet contractual needs;
- Fluid Transfer International (FTI), Large Capacity Aircraft Refuelling System (LCARS): Carried out detailed analysis and developed the necessary documentation to meet the ILS requirements including Safety Management Plan and Case;
- Alvis Vehicles Ltd, Multi-Role Armoured Vehicle (MRAV) - BOXER: ILS/LSA Management & Planning, LSA tailoring, LSAR development, Maintainability Design Criteria, Supportability Assessment Report and Maintenance Task Analysis (MTA);
- NBC IPT, Integrated Biological Detection System: ILS Co-ordination on behalf of DE&S covering the complete range of ILS activities.

Track Record and Achievements:

We have a proven track record of delivery, on the SV programme there were 19 variants and 1000's of design changes to meet emerging requirements including protection, BOWMAN installations and Electro-Magnetic Compatibility (EMC), Heating, Ventilation and Air Conditioning (HVAC), and Health and Usage Monitoring System (HUMS) resulted in a constantly moving target with the only constants being the immovable LSD & ISD, both these dates were declared to time and to cost for a major Cat A programme. Some statements recognising our achievements were made as follows:

- **Major Gen CC Wilson CBE Capability Manager** (Battle space Manoeuvre) and Master General of the Ordnance –‘What Quorum gives the MoD is the ability to deploy our new technologies and equipments with the confidence that they are supportable by ensuring that supportability is built-in from the beginning’
- **Ed Simpson Head of Government and Defence MTB UK Ltd** - ‘Without a doubt this programme would not have achieved this success without the outstanding contribution from the whole Quorum team’
- **Tim Webb GSV IPT SV Project Lead** - ‘It would be difficult to over state the contribution that the Quorum team have made to this programme’
- **Alison Henry GSV IPT Team Leader** - ‘Quorum’s pragmatic approach and the way they fully integrated into the various working groups provided an essential ingredient to the success of this programme’