

Technical Evaluation Criteria

NOTES:

ANY REFERENCE TO SOR SR ID IN THE CRITERIA SHOULD BE READ AS RELATING TO THE REFERENCE DOCUMENT SCHEDULE A (STATEMENT OF REQUIREMENT) INCLUDED WITH THE **DEFFORM 47**

SOR SR ID TYPE:

T = THRESHOLD MEASURE OF EFFECTIVENESS.

TO = THRESHOLD AND OBJECTIVE MEASURE OF EFFECTIVENESS.

1. Engine – Operating Environment

Aim

To select a supplier who will ensure that the Authority’s current engine capability is maintained or improved.

Background

The MAEFS project is looking to sustain and support the current engine capability therefore a reduction in performance is unacceptable. The solution is to offer performance to the current baseline or an improved capability to the User.

Evaluator References

- DEF STAN 00-035 Part 4 Issue 4, Chapter 1-01;
- Defence Standard 00-970 Part 7, Section 2, Supplement 5, Issue 6, Date: 13 July 2015;
- AH Mk1 – DNS59924, Iss 1, Amd 7, Feb 2015; **(Authority Use Only)**
- Merlin Mk2 – E/JRS/SMW/950151, Iss 2, Amd 7, Feb 2015; **(Authority Use Only)**
- Merlin Mk3/4 – DNS56711, Iss 2, Amd 6, Feb 2015; **(Authority Use Only)**
- Merlin Mk3A/4A – DHB788289, Iss 1, Amd 4, Feb 2015; **(Authority Use Only)**
- MAA RA 4507 – Aircraft Environmental Damage Prevention & Control;
- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS:

FOI Act Exemption Section 26 (1)(b)

Applicable Requirements from Schedule A

SoR ID	Priority	Requirement	Type
█	█	█	█
█	█	█	█
█	█	█	█
█	█	█	█
█	█	█	█

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the proposed system’s level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.
- Evidence of the Pressure Altitude (PA) range the proposed system is capable of operating within, including evidence of Engine Speed and Engine Temperature in relation to maximum across varying Pressure Altitude Ranges.
- Evidence of the temperature range the proposed system is capable of operating within, including evidence of Engine Speed and Engine Temperature in relation to maximum across varying temp Ranges.

The Tenderer is expected, but not limited, to describe and provide evidence of:

- The Maintenance activity (time, resource, component/assembly life penalties) required, if any, due to engine operation in dust, particulate pollution and volcanic ash in the following climatic categories: A1, A2, A3, C0, C1 & C2, M1, M2 & M3.
- Maintenance activity (time, resource, component/assembly life penalties) required, if any, due to engine operation in cloud, mist, ice and snow in the following climatic categories: A1, A2, A3, B1, B2, B3, C0, C1, C2, C3, C4, M1, M2 & M3.
- The proposed system’s ability to comply with Defence Standard 00-970 Part 7, Section 2 for birdstrike and foreign object debris (FOD) ingestion.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Current baseline performance is met or exceeded.
- Minimal additional maintenance activity required due to engine operation in dust, particulate pollution, or volcanic ash.
- Minimal additional maintenance activity required due to engine operation in cloud, mist, ice, or snow.

- Engine Speed and Engine Temperature remain within tolerable range of the maximum across a wide range of PA ranges.
- Engine Speed and Engine Temperature remain within tolerable range of the maximum across a wide range of temperature ranges

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer’s approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer’s approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

- Evidence of the proposed system’s impact on the platform’s Zero Fuel Weight (ZFW).
Evidence of the proposed system’s integration with the platform’s Airframe Management Systems.

The Tenderer is expected, but not limited, to describe and provide evidence of how the system will be able to successfully integrate with and utilize existing platform infrastructure including:

- Engine Ignition Power Supply
- Engine Cowlings
- Airframe Mounts
- Fireshields
- Air Intakes
- Engine Drain System
- Compressor Washing System
- Fuel system and Connections
- Pilots and co-pilots engine-controls system
- Cockpit Engine Indicating System
- Fire Suppression System
- Airframe Management Systems
- Pneumatic systems, including the Auxiliary Power Unit Exhaust system

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Integration of the proposed solution will cause minimal modification to baseline platform design.
- Positive approach to liaison / cooperation with Airframe Design Authority.
- Proposed solution provides potential growth in transmission capability.
- Proposed solution will not cause an increase in overall system weight, compared to the current platform propulsion system.
- Proposed solution demonstrates that structural loading does not exceed platform baseline design.
- Proposed solution will not cause an increase in overall system fuel consumption, compared to current platform propulsion system.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area. High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.	100
Good Confidence	The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area. Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.	70
Minor Concerns	The Tenderer’s approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor	30

	areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

- How the system, when shut down or failed, shall not affect the operation of the rotor system.
- How the system will be able to be environmentally sealed.
- How the system will be able to withstand contaminants to prevent corrosion (externally and internally)

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Clear and relevant evidence demonstrating acceptable Maximum Continuous / Contingency Power Ratings.
- Clear and relevant evidence demonstrating an acceptable Specific Fuel Consumption rate throughout the operating envelope including Maximum Continuous Power.
- Robust approach to testing of contaminants related to corrosion for all operating environments
- Evidence of contribution to the World Fuels Board and application of any new developments to the Merlin power unit.
- Demonstration of proposed system's ability to utilise current fuels, lubricants and oils supplied by the Joint Supply Chain.
- Demonstration of being at the forefront of new fuels development & testing

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and</p>	0

	Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	
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4. Engine – System Information

Aim

To select a supplier who will ensure that System and Maintenance Information will be available in the required locations and format and will integrate with existing IT Hardware.

Background

Readily available access to system and maintenance information is vital to ensure the continued operational capability and performance of the platforms.

Evaluator References

- MAA RA 4303 – Logistic Information Systems;
- MAA RA 4500 – Health & Usage Monitoring;
- MAA RA 1310 – Air System Document Set;
- Platform Support Policy Statement (SPS);
- MAA RA 4810 – Technical Information;
- MAA RA 4813 – Maintenance Records (MRP 145.A.55);
- MAA RA 5406 – Aircrew Publications – Contractors Responsibilities.
- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS:

FOI Act Exemption Section 26 (1)(b)

Applicable Requirements from Schedule A

Req No	Req Description	Req Status
[REDACTED]	[REDACTED]	[REDACTED]

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the proposed system’s level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.
- Evidence of the proposed system’s ability to display fault codes.

The Tenderer is expected, but not limited, to describe and provide evidence of the proposed system’s ability to:

- Download Engine life usage data, including the User’s ability to view, interrogate, and store this data.
- Upload data.
- Download Engine operation condition data, including the User’s ability to view, interrogate, and store this data.
- Present Engine Fault Code decodes within the Aircraft Documentation Set (ADS).
- Interface with the User’s IT Hardware/System.

The Tenderer is expected, but not limited, to describe and provide evidence of how the proposed system’s:

- Assemblies and components will be managed electronically.
- Operating Information will integrate into the platform’s ADS.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.

- Full compatibility with the ADS
- Compatibility with a wide variety of, preferably MOD, IT hardware
- Consideration of future proofing the system, for example by utilising open architecture and open standards
- Ability to quickly identify and rectify faults.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.

The Tenderer is expected, but not limited, to describe and provide evidence of the proposed overall Engine Technical Support Service including, but not limited to, the provision of effective:

- Working Hours Support Service;
- Out of Hours Support Service;
- Response Times (Working Hours and OOH);
- Lifting Requirements Review;
- Technical Publication Service;
- Engine scheduled maintenance requirements reviews;
- Responses to Special Instructions;
- Technical Support performance monitoring;
- Alignment of the Master Maintenance Schedule;
- Technical Support Reviews;
- Collaborative working relationships with the Authority and Operators.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- The response demonstrates a comprehensive approach to all aspects of the technical support service
- Appropriate resourcing to provide an effecting working/out of hours service, with good levels of resilience

Robust approach to performance monitoring employed to ensure timeliness of activities is maintained/improved across the life of the contract

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the</p>	30

	combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

- Prioritisation of fault investigations;
- System Health Monitoring.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Proactive and comprehensive approach to providing the Technical Support service
- Fully detailed approach to fault investigation including an appropriate approach to prioritisation.
- Willingness to share findings across multiple Operators (where applicable)
- Robust approach to reliability improvement

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

7. Technical Information and Publications

Aim

To select a supplier who will apply, and adhere to, the correct processes (as required by MOD) to ensure the continual improvement and validity of Technical Publications throughout the contract duration.

Background

A key element of MAEFS is to provide a Technical Publication Service to the Customer to ensure that the Engine Technical Publications remain up to date through life and incorporate information to enable Forward users to comply with the agreed maintenance policy including routine servicing, fault diagnosis, testing and repair.

Evaluator References

- MAA RA 1310 – Air System Document Set;
- MAA RA 4303 – Logistic Information Systems;
- Platform Support Policy Statement (SPS);
- MAA RA 4810(3) – Requirement to Inform Technical Information Author of Errors (MRP 145.A.45(c));
- MAP MAA RA 1310 – Air System Document Set;
- MAA RA 4350 – Through Life Management of Technical Information;
- MAA RA 4810 – Technical Information (MRP 145.A.45.)-01, Chapter 8 Publications, Schedules & Forms;
- MAA RA 5401 - Provision of Technical Information;
- DAT, CoMPI 14- Technical Publications - Amendment, Review and Accessibility;
- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS.

Applicable Requirements from Schedule A

FOI Act Exemption Section 26 (1)(b)

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.
- Confirmation of the level of compliance against the ASD-S1000D and ASD-STE100, providing mitigation for any non-compliance.

The Tenderer is expected, but not limited, to describe and provide evidence of their approach to providing an effective Technical Publication Support Service including, but not limited to:

- Continual improvement and ensuring validity of the Technical Publications;
- A robust quality assurance system that ensures the validity and completeness of technical information, prior to its issue to technical publication sponsor.
- Support of revisions to training courses / material;

- Full integration into the Aircraft Document Set (ADS);
- Publication Activity Planning (resources applied, delivery dates, and any additional associated activities);
- Meeting required timescales for processing and responding to UFRs;
- Ensuring the effective and timely submission of updates to platform technical authors.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Robust quality assurance processes to ensure that all Technical Publications remain up-to-date and accurate.
- Clearly defined processes to ensure that training course documentation and materials are maintained, current, and accurate.
- Clear understanding of the ADS and appropriate approach to integrating engine documentation into the ADS.
- Clearly defined (and appropriate levels of) resources applied to the Technical Publication Service, with a mature approach to planning applied.
- Robust processes and resources in place to meet required timescales for responding to UFRs.
- Well defined distribution process for updated documentation to platform technical authors.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and</p>	0

	Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	
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Additional requirements for consideration from System Requirement Document

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.

The Tenderer is expected, but not limited, to describe and provide evidence of their overall approach to Modifications including, but not limited to:

- Assessment of modifications proposed by the Authority;
- Communicating proposed modifications to the Authority;
- Managing modification embodiment across the entire pool of engines (including currently deployed, spares, and engines currently undergoing repair). Ensuring that all modifications are recorded accurately and maintained as part of Configuration Management.

The Tenderer is expected, but not limited, to describe and provide evidence of their overall approach to Configuration Management including, but not limited to:

- A clearly defined and robust Configuration Management Plan produced in accordance with the Defence Airworthiness Team (DAT) template.
- Minimising the requirement for multiple configurations.
- Ensuring an accurate record of all different configurations with clear details for the specific configuration.

The Tenderer is expected, but not limited, to describe and provide evidence of their overall approach to Obsolescence Management including, but not limited to:

- A clearly defined and robust Obsolescence Management Plan.
- Early communication of potential / proposed obsolete items to the Authority;
- Planning for resourcing replacements for items of concern.
- Ensuring that all obsolescence items are recorded and managed effectively.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Clearly defined approach to Modification Management.
- Clearly defined approach to integration and use of the Authority’s Engineering & Asset Management system (GOLDesp).

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area. High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.	100
Good Confidence	The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought	70

	<p>results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	
Minor Concerns	The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	30
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

Minor Concerns	The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	30
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
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Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

11. System Specific Support Equipment (System SSE) Management

Aim

To select a supplier who will provide and / or manage and maintain Engine Ground Support Equipment (EGSE) required for maintenance activity.

Background

This section is looking at the management of an ESSE Availability Service.

Evaluator References

- MAA RA 4457 – Special Instructions (Technical);
- MAA RA 5405 – Special Instructions (Technical);
- DEFCON 611 – Issued Property;
- DEFCON 694 – Accounting For Property Of The Authority;
- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS.

Applicable Requirements from Schedule A

FOI Act Exemption Section 26 (1)(b)

S			

Additional requirements for consideration from System Requirement Document

SRD SR	Priority	Description	Type

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.
- The proposed Range and Scale of EGSE, including location of items.
- The proposed Maintenance Schedule for the EGSE.
- The proposed EGSE Management Plan ensuring availability is maintained.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- A clearly defined, robust EGSE Management Plan.
- A Maintenance Schedule that provides optimised availability of EGSE without impacting Front Line Command.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100

Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

The Tenderer is expected, but not limited, to describe and provide evidence of the following, and demonstrate how they will be implemented to ensure quality across the life of the contract:

- An ISO Certified Quality System;
- A Quality System meeting the requirements of AQAP 2310 and 2210;
- A Quality Occurrence reporting process compliant with RA 4815;
- A concession process that meets the requirements of Def Stan 05-61 Part 1;
- Contractor working party arrangements that meet the requirements of Def Con 76 and Def Stan 05-61 part 4.

The Tenderer is expected, but not limited, to demonstrate their:

- Management commitment to meeting & reporting agreed QPIs as per DQA Policy;
- Provision for the avoidance of Counterfeit Material as per Def Stan 05-135.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- Clearly defined process for the Management of Quality Occurrence Reports
- Demonstrated that quality is embedded in Company processes and culture.
- The Draft Quality Plan is clear, concise and specifies how all contract related quality requirements shall be fulfilled.
- Clearly defined process for Concession Management.
- Clearly defined process for Contractors Working Party Management.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer’s approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer’s approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30

Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

14. Training - On Aircraft Engineering Training

Aim

To select a supplier who will ensure that Authority personnel are appropriately trained in the use and maintenance of the provided engine.

Background

The Contractor's solution should also consider the Training Defence Lines of Development (DLoD), specifically the In-Air training provision for aircrew.

Evaluator References

- MAA RA 2309(14) - Simulated Emergencies;
- AH Mk1 – DNS59924, Iss 1, Amd 7, Feb 2015; **(Authority Use Only)**
- Merlin Mk2 – E/JRS/SMW/950151, Iss 2, Amd 7, Feb 2015; **(Authority Use Only)**
- Merlin Mk3/4 – DNS56711, Iss 2, Amd 6, Feb 2015; **(Authority Use Only)**
- Merlin Mk3A/4A – DHB788289, Iss 1, Amd 4, Feb 2015; **(Authority Use Only)**
- JHC Command Instruction J7004 - Environmental Training Policy, dated 6 Jan 16;
- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS.

Applicable Requirements from Schedule A

FOI Act Exemption Section 26 (1)(b)

SR	Priority	Description	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.

The Tenderer is expected, but not limited, to describe and provide evidence of their overall approach to providing training in the use and maintenance of the provided engine including, but not limited to:

- Be capable of full integration into our existing training solution in Mercuri in the Merlin Training Facility (i.e. the contractor should provide replacement lesson material as necessary).
- Include provision and maintenance of at least one, potentially two, training engines for both instruction and installation to the Mission System Trainer (MST).
- Include modification of the MST to be representative of the aircraft with respect to the engine support, fitment etc.
- Include provision and maintenance of tech pubs – integrated into the Integrated Engineering Technical Publication (IETP).
- Provision of Train-the-trainer packages for instructors that is Defence Systems Approach to Training (DSAT) compliant.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- The supplier should provide clear and comprehensive overview of the lesson material content / scope.
- The supplier should describe how training could be conducted in an uninterrupted fashion during the maintenance or updating of reference and training engines provided.
- The supplier should provide examples of Instructor training packages being offered as part of his proposal and explanation of how these would be reviewed and updated during the contract service period.
- The approach and evidence provided will result in being able to train engineers to a maintain the provided engines to the required level of competence.
- Demonstration that the contractor has the ability to deliver on aircraft engineering training.
- Demonstration that the training syllabus will address the students training needs with respect to their knowledge, skills and abilities and is relatable to their job experiences.

- Demonstration that the contractor has the ability to continually measure and assess staff training requirements and upskill as required.
- Demonstration that staff delivering the training have the knowledge, experience and ability to demonstrate specific skills to successfully deliver the syllabus.
- A clearly defined process for feedback on the training course and how that feedback is reviewed and implemented as required.
- A clearly defined cost-effective process for updating the training course syllabus as a result of new requirements.
- A clearly defined process to ensure that training course documentation and materials are maintained, current, and accurate.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE.
- A robust Environmental Management Plan which is consistent with MOD requirements
- Demonstrated ongoing Corporate sponsorship of Environmental and Sustainability processes
- Proposed application of proven and existing practices covering:
 - Equipment longevity
 - Personnel Health and Safety
 - Energy Security
 - Consideration of Capital Costs
 - Maintenance Costs
 - Department Reputation.
- Proposed application of proven and effective use of Sustainability appraisal / assessments covering:
 - Resource Management
 - Supply chain
 - Personnel resilience
 - Working environment and practices
- Proposed application of proven and effective shortfall and opportunities analysis covering:
 - Environmental Risks
 - Economic Risks
 - Social Risks

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100
Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once</p>	10

	on contract to achieve the aim sought in this area and so do not warrant exclusion.	
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

16. Demand Variance Response

Aim

To select a supplier who can provide both system and services capable of dealing with surge requirements without constraining platform activity levels.

Background

Merlin and Apache Future Engines Support Project needs to be coherent with IMOS and Apache IOS contracts to ensure that the engine does not constrain platform activity levels that are consistent with DPAs. Surge implies a temporary increase in activity and may require a period of recuperation.

Evaluator References

- MERLIN & APACHE ENGINES FUTURE SUPPORT (MAEFS) SYSTEM REQUIREMENTS DOCUMENT - 20181011-MAEFS_SRD_Endorsed_Final-OS.

FOI Act Exemption Section 26 (1)(b)

Applicable Requirements from Schedule A

SR	Priority	Description

Evidence Expected

The Tenderer is expected, but not limited, to provide:

- Confirmation of the level of compliance against each of the referenced System Requirements, with mitigation for any non-compliance.

The Tenderer is expected, but not limited, to describe their approach to supporting contingent operational requirements including, but not limited to:

- Engine provision;
- Provision of Support;
- Provision of required Manpower including deployment to Operational areas.
- Recuperation periods for the service, where required.

As a worked example, provide how you would make provision for the maximum surge as defined in the contract.

Confidence Characteristic Statements

The following confidence characteristics are sought:

- All related SRs are met to at least Threshold MOE;
- Robust approach to surge requirements
- deploy manpower overseas (CONDOS) and ability to recover
- Maintainability and repeatability of surge.
- Appropriate worked example provided showing a coherent and sensible approach to all demands on the contract requirements, balancing surge requirements with business as usual.

Scoring Guidance

The Authority judges that:

Measurement	Description	Score
High Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is highly likely to achieve the aim sought in this area.</p> <p>High confidence that the evidence demonstrates compliance with all of the SoR Threshold requirements and, where applicable, high confidence that evidence demonstrates compliance with all of the SoR Objective requirements.</p>	100

Good Confidence	<p>The Tenderer's approach/justification/evidence to this subject matter and the delivery of the confidence characteristics sought results in the Authority judging that it is likely to achieve the aim sought in this area.</p> <p>Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.</p>	70
Minor Concerns	<p>The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.</p>	30
Just Acceptable	<p>The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.</p>	10
Major Concerns (Fail)	<p>The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.</p>	0

	areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0

	Evidence demonstrates compliance for all of the SoR Threshold requirements and, where applicable, evidence demonstrates compliance with some of the SoR Objective requirements.	
Minor Concerns	The Tenderer's approach/justification/evidence to this subject matter is satisfactory in the main however there are some minor areas where either the level of risk to the Authority, the combination of issues or the lack of particular justification/evidence require managing to achieve the aim sought in this area.	30
Just Acceptable	The Tenderer's approach/justification/evidence to this subject matter has some significant areas of concern and demonstrates either a lack of understanding or a reluctance to fully meet/deliver the entire needs of the Authority. These are however deemed manageable and resolvable either prior to contract award or once on contract to achieve the aim sought in this area and so do not warrant exclusion.	10
Major Concerns (Fail)	The Authority does not have sufficient confidence in the Tenderers response in order to successfully deliver the aim of Merlin and Apache Mk1 Future Engine Support in this area and is therefore unable to proceed.	0