



DEFENCE EQUIPMENT & SUPPORT

ARTILLERY SYSTEMS DELIVERY TEAM

ANNEX G

GROUND BASED SURVEILLANCE RADAR (GBSR) INTEGRATED TEST, EVALUATION AND ACCEPTANCE PLAN (ITEAP)

Contract Number: 701547527

FINAL

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1 Introduction

1.1 MSTAR - GBSR Background

1.1.1 MSTAR Background.

[REDACTED]

1.1.2 GBSR Background.

[REDACTED]

Single Statement of User Need (SSUN)
[REDACTED]

1.2 Boundary of the Capability to be delivered by the GBSR Project

[REDACTED]

Figure 1: GBSR System Boundary [REDACTED]

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1.3 Authority Requirement Set Integrity

1.3.1 The GBSR Technical Statement of Requirement (TSoR) [Contract Annex C] produced by the Artillery Systems DT has been constructed using the following influences:

- a. User Requirement Document (URD)
- b. Concept of Employment (CONEMP) and Battlefield Mission (BFM)
- c. [REDACTED]
- d. Extant MSTAR system capabilities Army Equipment Support Publications (AESPs)
- e. Interaction with existing system users and maintainers (Limited)
- f. MSTAR Service Delivery Plan (SDP)
- g. Previous military experience
- h. Sensor electronics Intelligence, Surveillance, Target Acquisition & Reconnaissance (ISTAR) SME knowledge

1.4 Assumptions

1.4.1 In the absence of definitive data in the early stages of the programme, a number of assumptions were made to underpin the planning for GBSR. These are captured in the Master Data and Assumptions List (MDAL) maintained by the Artillery Systems DT. The assumptions below have been taken from the MDAL and are particularly relevant to the GBSR ITEA process:

- a. [REDACTED].
- b. GBSR will be delivered with a full support package in order to provide a Full Operating Capability (FOC) to the Front-Line Command (FLC). This includes a full Safety & Environmental Case covering operational use, Full Security Accreditation and Operator, Maintainer and Train the Trainer (T3) Training Courses.
- c. The Project Team will need to attend Factory Acceptance Testing (FAT).
- d. Operator and Maintainer training is to be delivered by the supplier before all trials.
- e. User and Acceptance trials shall be performed in the UK.

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- 1.4.2 **Acceptance Assumptions.** In the case where Test & Evaluation (T&E) evidence has been accepted outright against the acceptance criteria specified, the system requirement (SR) shall be considered satisfied. Further, where all User Requirement-linked System Requirements have been fully satisfied, the User Requirements can be considered as validated upon Senior Responsible Officer (SRO) endorsement.

1.5 Dependencies.

- 1.5.1 **System dependencies.** A complete list of the project dependencies are captured in the Artillery Systems Issues and Dependencies Register maintained by the Artillery Systems DT.

1.6 Capability Stakeholders.

[REDACTED]

Table 1: External Stakeholders / SMEs [REDACTED]

2 Acceptance Strategy

- 2.1.1 For the equipment deliverables, the Authority will concentrate the initial test effort on a demonstration at the FAT [GBSR D&M SoW Work Package 3.4] and Live Firing Trial [GBSR D&M SoW Work Package 3.5]. This does not remove the requirement for the Contractor to present evidence if requested at all stages of the Acceptance Process shown at Figure 2 but the Authority may choose not to employ some of the tests if the FAT and Live Firing test results are conclusive and satisfactory. If the FAT and Live Firing test does not achieve the standards required, the Authority request further evidence of compliance.

2.2 Acceptance Routes

- 2.2.1 The route from acceptance onto delivery is to contract for a 1yr Demonstration & Manufacture Phase, followed by a 3-year In Service Support Phase with two 1-year options to extend. The OSD for GBSR is [REDACTED]. The Artillery Systems Delivery Team will deliver this project with the plan for Contract Award to be given in [REDACTED]. The systems will be delivered in increments.

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- 2.2.2 The Land Fleet Requirement is ■ GBSR systems fielded within tranches, with ■ systems being provided to support User Acceptance Testing (UAT), an additional ■ delivered in the 1st tranche for Initial Operating Capability (IOC) and the remaining systems delivered in three additional tranches of ■ systems, ■ systems and ■ systems for FOC. This approach will de risk the project by allowing the Artillery Systems DT to adjust the schedule in order to smooth out major clashes of activity.
- 2.2.3 The Contractor may propose either a Commercially Off-The Shelf (COTS) or a Military Off-The Shelf (MOTS) solution to fulfil the GBSR system requirements outlined within the TSoR [Contract Annex C] . The acceptance route for COTS /MOTS solutions is outlined below in Table 2:

COTS / MOTS System Acceptance Route
System Readiness Review
Test Readiness Review 1
Factory Acceptance Testing (FAT)
Factory Acceptance Testing Acceptance Panel
Test Readiness Review 2
Live Firing Trial
Live Firing Acceptance Panel
Test Readiness Review 3
User Acceptance Testing (UAT)
Full Acceptance Panel
Equipment Delivery Date 1 (EDD1)
Equipment Delivery Date 2 (EDD2)

Table 2: Acceptance Route

- 2.2.4 Further details of the Acceptance Routes detailed within Table 2 can be found within Appendices A, B, C & D.
- 2.2.5 Acceptance Milestones. Acceptance Milestones (AM's) should be defined throughout the T&E programme leading up to IOC. These milestones will be tied to the adopted acceptance events as detailed in Table 2 . These

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milestones are the points at which evidence that demonstrates achievement of a systems requirement should be available. At least one AM should be set for each DLOD.

2.3 Governance

2.3.1 Governance of the acceptance process for GBSR at a working level is provided through two bodies:

- a. The Integrated Test and Evaluation Working Group (ITEA WG) [GBSR D&M SoW Work Package 3.8];
 - i. The purpose of the ITEA WG is to maintain oversight and momentum of the acceptance process; providing clarification, removing ambiguity and where necessary recommending changes to enable smooth progress towards acceptance. It will do this through effective stakeholder engagement leading to agreement. The ITEA WG does not have authority to take decisions that have been delegated to other meetings (e.g. accepting contract deliverables).
 - ii. The ITEA WG meets every 3 months at a location mutually agreed by the Contractor and the Authority or virtually. The Contractor shall issue a calling notice to all attendees at least ten (10) business days in advance of each ITEA WG.
 - iii. The Terms of Reference of the ITEA WG are set out in Appendix E Section 10.1 of this document.
- b. The Safety and Environmental Panel (SEP) [GBSR D&M SoW Work Package 2.0];
 - i. The Safety and Environmental Panel (SEP) is hosted by the Authority at a UK location and is charged with making decisions relating to the safety and environmental impact of the contract deliverables. The Contractor shall provide Suitably Qualified and Experienced Personnel (SQEP) representative to attend each SEP (up to 5 across the D&M phase) who shall provide Subject Matter Expertise (SME) and actively participate in risk identification analysis. The Authority shall issue a calling notice at least twenty business days in advance of each SEP.
 - ii. The SEP uses the Safety and Environmental Working Group (SEWG) to monitor, gather evidence, and make recommendations for SEP approval. The Contractor is

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represented on the SEWG by a suitably qualified and experienced person, with detailed knowledge of the subjects under discussion. The SEWG meets every 6 months or as required and is chaired and administered by the Authority.

- iii. The SEP is subordinate to the Authority's Safety and Environmental Management Committee (SEMC). The SEMC sets safety and environmental policy and takes decisions on the overall levels of acceptable risk and the suitability of risk management plans. The Contractor shall not be required to attend this meeting. The SEMC meets every 4 months.

2.4 Validation and Verification Requirements Matrix

2.4.1 The Authority will use a Validation and Verification Requirements Matrix (VVRM) tool [Contract Annex C Appendix 2] to model the acceptance plan and to record progress against the plan, including decisions made at the various milestones shown in Table 2. The Authority will update the VVRM as the contract and delivery progresses. The VVRM will be a key source of evidence underpinning the Acceptance Case and the Acceptance Case Report.

2.4.2 The populated VVRM tool holds the following key acceptance information:

- a. What will be measured;
- b. How it will be measured;
- c. When it will be measured (what event and trial);
- d. What good looks like – criteria for success;
- e. Who generates the evidence;
- f. Who evaluates whether criteria have been met.

2.4.3 Each system requirement will be verified using one of the following verification methods as defined within the TsoR [Contract Annex C]:

- a. **Inspection (I).** This technique is based on visual or dimensional examination of an element; the verification relies on the human senses or uses simple methods of measurement and handling. Inspection is generally non-destructive and typically includes the use of sight, hearing, smell, touch, and taste; simple physical manipulation; mechanical and electrical gauging; and measurement. No stimuli (tests) are necessary.

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The technique is used to check properties best determined by observation (e.g. paint colour, weight, documentation, listing of code). Peer reviews of process artefacts are also considered a type of inspection.

- b. **Demonstration (D).** This technique is used to show correct operation of the submitted element against operational and observable characteristics without using physical measurements (no or minimal instrumentation or test equipment). It uses generally a set of actions selected to show that the element response to stimuli is suitable or to show that operators can perform their assigned tasks when using the element. Observations are made and compared with predetermined/expected responses.
- c. **Test (T).** This technique is performed onto the submitted element which functional, measurable characteristics, operability, supportability, or performance capability is quantitatively verified when subjected to controlled conditions that are real or simulated. Testing often uses special test equipment or instrumentation to obtain accurate quantitative data to be analysed.
- d. **Analysis (A).** This technique is based on analytical evidence obtained without any intervention on the submitted element using mathematical or probabilistic calculation, logical reasoning (including the theory of predicates), modelling, and/or simulation under defined conditions to show theoretical compliance. Mainly used where testing to realistic conditions cannot be achieved or is not cost-effective.
- e. **Review (R).** This technique is based on the presentation of results from earlier verifications made at system or subsystem level in this project. The Contractor can provide internal test / trials evidence, test records or reports to the Authority for Review.

2.4.4 Each requirement within the TSoR [Contract Annex C] has been allocated with one of the above verifications methods. The Authority is amenable to the Contractor proposing an alternative verification method listed above, where applicable, at the ITEA WGs. Any amendments to the verification criteria for each system requirement will be incorporated into the VVRM following the ITEA WGs [GBSR D&M SoW Work Package 3.8].

2.5 Contractor's Evidence

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2.5.1 In coming to its decision on acceptance of the contract deliverables, the Authority will consider evidence presented by the Contractor. This written evidence must conform to the standards below:

a. Content:

- i. Executive summary.
- ii. Recommendations.
- iii. Methodology.
- iv. Discussion, including salient data and evidence and the full rationale for the Recommendations and Conclusions.
- v. Resolution Plans (see Section 2.8) for Incidents and Concessions (see Section 2.7).
- vi. Conclusions.
- vii. References.
- viii. Evidence data (as annexes).

b. Format:

- i. UK English.
- ii. International Standardization Organisation (ISO) page sizes.
- iii. Drafts in Microsoft (MS) Office.
- iv. Final versions in Adobe Portable Document Format (PDF).

c. Timing:

- i. Drafts delivered to the Authority no less than 25 business days prior to the scheduled end of each Acceptance Event. The Authority will review and provide any comments to the Contractor within 10 business days from receipt. The final versions to be delivered to the Authority within 15 business days of receipt of Authority's comments. In this way full reports will be available to achieve the Exit Criteria of each Acceptance Event. Submitted a final version does not guarantee acceptance of the report, its conclusions or recommendations. Nor does it guarantee achieving the exit criteria. For example, further iterations; additional evidence; clarification; further testing; or other activities may be required to achieve the exit criteria.

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d. Quality:

- i. All documents must meet the standards in the Contractor's Quality Plan in accordance with the General Quality Assurance (GQA) Plan or as otherwise agreed.

- 2.5.2 The Contractor may present evidence that pre-dates the contract where it can demonstrate to the Authority's satisfaction that such evidence has sufficient relevance to the contract deliverables.
- 2.5.3 The Contractor may present evidence from trials for other customers where it can demonstrate to the Authority's satisfaction that such evidence has sufficient relevance to the contract deliverables.
- 2.5.4 Where the Contractor has proposed providing evidence under paragraph 2.5.3 above (e.g. test results, test meeting minutes, test outcomes, summary sheets, certificates and images), it must provide such evidence within 10 business days of receiving Authority agreement to consider, or another period as agreed.

2.6 3rd Party Test Evidence

- 2.6.1 The Authority will consider 3rd party test results and other evidence in support of documentation analysis (e.g. test reports and certificates from environmental test chambers) in accordance with the VVRM [Contract Annex C Appendix 2], if the Contractor can demonstrate that the tested item has not been modified or materially altered between the original certifying test event and the provision of the item to the Authority.
- 2.6.2 Where an item has been modified, or altered, to the extent of affecting the original certification, then the Contractor must provide evidence to the Authority from new tests as directed by the ITEA WG [GBSR D&M SoW Work Package 3.8] , within 15 business days of completion of such new tests.

2.7 Incidents

- 2.7.1 Incidents include any event or outcome from an acceptance test that, in the opinion of the appropriate Acceptance Panel or ITEA WG [GBSR D&M SoW Work Package 3.8] indicates a possible non-conformance with the requirement. This includes, but is not limited to, any defect, test failure, non-compliance, incomplete test, partial compliance, deviation, unknown cause, process, outcome, output, observation or aspect of the contract deliverables.

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2.7.2 Both the Contractor and Authority will identify and report Incidents throughout the acceptance process. Incidents will be reported to the appropriate Acceptance Panel or ITEA WG [GBSR D&M SoW Work Package 3.8] and the Authority will assign a priority to all Incidents based on a recommendation from the appropriate Acceptance Panel or ITEA WG. Similarly, all safety related Incidents will be reported to the appropriate safety Working Group. The following Incident priority classifications will be used:

2.7.3 **P1 (Highest Priority)** – An incident that affects safety, security or a key system requirement. An incident classified as P1 has the effect of preventing exit from the current test. To remove or downgrade the Incident, the Contractor and the Authority will work together to rectify the Incident and the acceptance test must be repeated to demonstrate compliance. Where such rectification cannot take place within the period allowed for the test, the Contractor must provide a Resolution Plan (see Section 2.8) that is acceptable to the Authority.

2.7.4 **P2 (High Priority)** - As above but with a workaround acceptable to the Authority which will be resolved to meet the Exit Criteria for the test;

2.7.5 **P3 (Medium Priority)** - Other Functional Incident that the Authority is prepared to accept with a Concession. Concessions require a contract amendment. All concessions will be identified and agreed prior to achieving the Exit Criteria for the test;

2.7.6 **P4 (Low Priority)** - Potential new positive or enhanced functionality. All P4's will be identified and recorded in the relevant test event report prior to achieving the Exit Criteria for the test.

2.8 Resolution Plans

2.8.1 The Contractor must provide a Resolution Plan in response to any incident for agreement by the Authority. The content of the resolution Plan includes at least the following:

- a. Details and signatures of the Resolution Plan author and responsible executive.
- b. Description of the Incident, action or observation.
- c. Explanation in detail of how the Incident, action or observation will be resolved, to include required resources including facilities and personnel.

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- d. Names and responsibilities of the Contractor staff assigned to carry out the Resolution Plan.
- e. A schedule based on three-point estimated timescales. The Authority will consider alternative estimation techniques.
- f. Recommendations for contract amendment if required.
- g. A section for the Authority to sign to indicate acceptance of the Plan.

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2.9 DLoD Goals and Milestones Plan

Capability Milestone	Indicative Date	Measure of Effectiveness	High Level Measures of Performance (MoP)		Achievement Milestone (AM)
IOC	■	GBSR capability (■ supported systems) delivered Supporting Operations (and MST), Subsequent Trade Training and some elements of VHR forces.	Training	Users receiving IOC equipment trained (conversion). If L2 support requirement: Maintainers trained to support IOC fleet.	AM 1, 2,3, 4
			Equipment	■ Systems provided for UAT and ■ Systems delivered	
			Personnel	Assumption: No Personnel changes	
			Information	Assumption: No Information changes	
			Doctrine	Doctrine updated to reflect a new equipment delivering the capability.	
			Organisational	Assumption: No Organisational changes	
			Infrastructure	Assumption: No Infra change required	
			Logistics	IOC fleet supported	
FOC	■	Full GBSR capability delivered.	Training	All users trained (conversion). Instructors trained and GBSR embedded into steady state training (Subsequent Trade Training and standalone GBSR operator course) and collective training. If L2 support requirement: Maintainers trained to support GBSR fleet and steady state maintainer	AM5

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				training in place.	
			Equipment	All systems delivered	
			Personnel	Assumption: No Personnel changes	
			Information	Assumption: No Information changes	
			Doctrine	As per IOC	
			Organisational	Assumption: No Organisational changes	
			Infrastructure	Assumption: No Infra change required	
			Logistics	GBSR fleet supported.	

Table 3 – DLoD Goals

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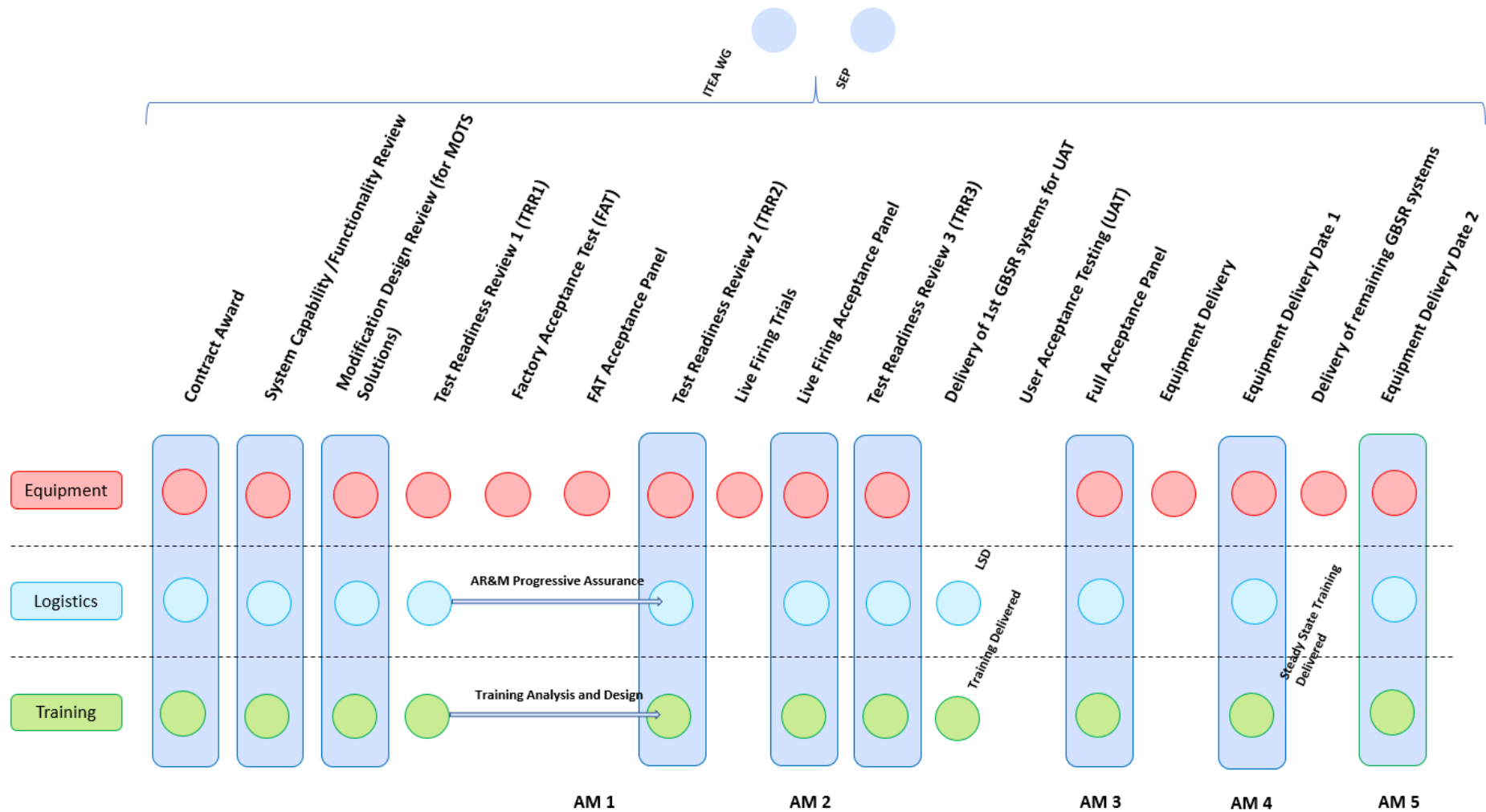


Figure 2: DIoD Acceptance Milestones

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2.10 Acceptance Strategy

- 2.10.1 **Endorsement.** Should the ITEAP require an update it will be presented to the STA Lead Engineer for endorsement.
- 2.10.2 **Progressive Acceptance.** Evidence to demonstrate that the System Requirements have been achieved is progressively built up over a suitable period of time and or activities.
- 2.10.3 **Progressive Assurance.** The Authority will agree with the Contractor an appropriate ongoing series of assurance activities to be scheduled throughout the incremental delivery of the “Systems”.
- 2.10.4 The Authority also retains the right to invoke additional ad-hoc assurance inspections to ensure but not be limited to the following:
- a. Ongoing Quality Assurance / Audit
 - b. Retrospective acceptance on requirements still pending such as:
Accept with Proviso, Rejected, Not yet Considered.
 - c. Regression testing where newer systems have been delivered at an agreed but differing baseline to the previous increment, prior to any upgrade programme being undertaken on the existing units.
 - d. Obsolescence- should this occur then appropriate testing will be required.

2.11 Planned Acceptance Activities

- 2.11.1 Outlined below are the exit criteria for each of the Acceptance Milestones (AMs) outlined in Figure 2 above:
- 2.11.2 **AM1.** Design documents, product and/or modification specifications, manufacturers test results will be scrutinised during the System Readiness Review [GBSR D&M SoW Work Package 3.2] in accordance with Appendix A Section 6.1. Leading engineer and operator SME's are trained on the system. FAT [GBSR D&M SoW Work Package 3.4] shall be conducted as described in Appendix C Section 8.1, with the results accepted by the Authority during the FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7] as per Appendix D Section 9.1.
- 2.11.3 **AM2.** Live Firing Trials [GBSR D&M SoW Work Package 3.5] will be conducted as outlined within Appendix C Section 8.2. Results of the Live

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Firing shall be reviewed by the Authority at the Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7] as per Appendix D Section 9.2.

- 2.11.4 **AM3**. The Contractor shall supply the Authority with the appropriate equipment, logistics and training required to conduct User Acceptance Testing (UAT) [GBSR D&M SoW Work Package 3.6]. UAT shall then be conducted by the Authority as outlined in Appendix C Section 8.3. The results of UAT shall be provided to the Contractor by the Authority. A Full Acceptance Panel [GBSR D&M SoW Work Package 3.7] will be held as outlined in Appendix D Section 9.3.
- 2.11.5 **AM4**. The 1st Tranche of GBSR systems (■ units) shall be supplied to the Authority with all training, supply chain and support elements in place, including train the trainer packages. The training course will be run and assessed for suitability by appropriate military personnel and SMEs.
- 2.11.6 **AM5**: The remaining GBSR systems shall be delivered to the Authority, with all training, supply chain and support in place.

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2.12 VVRM Process

2.12.1 VVRM Development. It is planned that a detailed test plan will be produced as part of the ITEAP development, and the process of acceptance will be conducted by the continuous update of the Verification and Validation Requirements Matrix (VVRM) [Contract Annex C Appendix 2] of which the master copy will be retained and maintained in DOORS by the DT.

2.12.2 VVRM Recommendations. The VVRM shall contain the GBSR System Requirements (SRs) coupled with the planned delivery schedule for the required T&E evidence. Alongside the T&E requirements, the VVRM contains a series of quality attributes that provides the DLoD desk officers with an opportunity to make a recommendation for evidence acceptance prior to submission to the SRO. The review and approval process for T&E evidence is described within Section 2.13 (Working Groups & Reviews) and Section 4 (T&E strategy). It should be noted that this VVRM reflects only the Authorities validation and verification requirements. Industry validation and verification of the GBSR is the responsibility of the relevant industry partner.

2.13 Working Groups and Reviews

2.13.1 ITEA WG Meeting Frequency. As defined in Work Package 3.8 within the GBSR D&M SoW, up to four ITEA WG meetings [GBSR D&M SoW Work Package 3.8] shall be hosted and administered by the Contractor either virtually or in-person every three months throughout the D&M phase.

3 Stakeholders

3.1.1 ITEAP Stakeholder Management Plan. The Stakeholder management plan is a live document and will be updated by the Authority as further stakeholders are identified (or removed) as part of ongoing T&E activity, and at each ITEAP update.

3.1.2 Stakeholder Interaction. In order to improve stakeholder interaction and focus, the Stakeholder Management Plan assigns each stakeholder with a DLoD interest to the relevant Key User Requirements (KURs) and derived System Requirements (SRs).

3.1.3 Stakeholder Roles & Responsibilities. The roles and responsibilities of each stakeholder group will be detailed within the stakeholder management plan.

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4 Test and Evaluation Strategy

4.1.1 **Project Review outcomes.** The GBSR Requirements Manager will make the recommendation to the SRO and Sponsor for endorsement based upon the level of acceptance determined by the DLoD desk officers to determine whether an acceptance milestone can be claimed. Thereafter, the endorsement will be recorded within the VVRM [Contract Annex C Appendix 2] version history. Ultimately, it is the responsibility of the SRO whether to endorse this approach to the T&E Strategy.

4.2 Test and Evaluation Goals

4.2.1 **Provision of T&E evidence.** In line with the Acceptance Goals and capability milestone criteria described within Table 3, the ultimate goals of the GBSR T&E activity are to:

- a. Provide the Acceptance Authority with sufficient evidence that the GBSR system satisfies the requirements within the TSoR [Contract Annex C].
- b. Provide the evidence required within the timescales of the project i.e. IOC.
- c. Provide the evidence required in an integrated manner across all DLODs with the **shortest determinable critical path**; either by re-use of existing data, manufacturers evidence or appropriate testing.

4.3 Test and Evaluation Organisation

4.3.1 **ITEA management.** All T&E activity and evidence management is the responsibility of the GBSR Lead Engineer.

4.3.2 **Test Organisation.** All testing activities up to the entry criteria of the User Acceptance Trial will be managed by the Contractor and witnessed by the Authority. All subsequent testing activities will be managed by the Project Team in collaboration with RATDU.

4.3.3 **Stakeholder Identification.** This ITEAP has identified the SMEs who are initially responsible for agreeing the T&E strategy in Section 1.6.

4.4 Test and Evaluation Process

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- 4.4.1 **Liaison between the DT and Industry Stakeholders.** Regular liaison between the Contractor and the DT Project Management will need to occur in order to maintain the timely delivery of T&E evidence against the Acceptance schedule. This shall be facilitated through the ITEA WGs [GBSR D&M SoW Work Package 3.8] which shall be held on a three monthly basis. The full Terms of Reference for the ITEA WG can be found in Appendix E Section 10.1.
- 4.4.2 **T&E Responsibilities.** All stakeholder SMEs shall review the relevant data provided by the Contractor, and provide reports defined by an agreed Product Description (PD) requirement. Test participants should take an active role in the test briefings, of which master copies will be held securely by the DT to form a record of test activity for reference.
- 4.4.3 **Sentencing of Evidence Received.** On receipt of any reports generated for a given milestone, it is incumbent upon the relevant acceptance panel (see Appendix D for further information) to evaluate and sentence the evidence accordingly. The criteria for each sentencing option are described within Table 4 below.

Sentence	Description
Accept outright	The evidence is sufficient to demonstrate that the acceptance requirement has been achieved with no caveats.
Accept with Concession	The evidence shows that the acceptance requirement has not been achieved and so a permanent relaxation of the requirement is proposed.
Accept with Proviso	The evidence shows that the acceptance requirement has not been achieved and so a temporary relaxation of the requirement is proposed subject to corrective work that will be carried out by the relevant agency by an agreed date.
Rejected	The evidence fails to demonstrate that the acceptance requirement has been achieved; compromising the capability to the extent that it should not be accepted without some form of remedial action.
Not yet considered	Activities relating to testing this acceptance requirement has not yet been completed so a recommendation cannot be provided.
N/A	This activity is not included in this testing regime as is it is Not Applicable.

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Table 4 – Evidence sentencing criteria.

- 4.4.4 **Performance Shortfalls.** Where Evidence indicates there is a performance shortfall, this will be categorised by the DLoD owners within the ITEA WG and dealt with according to the following Category (CAT):
- CAT 1:** Operationally Critical. Modes not useable without corrections. There are no acceptable operator procedures to circumvent the problem, or a problem that may cause a major hazardous situation for personnel.
 - CAT 2:** Operationally Tolerable. Operator procedures are available to circumvent problems; or the problems do not severely limit the use of the relevant feature.
 - CAT 3:** Operationally Non-Critical. Non-Critical problem or problem of no influence on operational behaviour.
- 4.4.5 In certain cases, the combined impact of two or more CAT 2 performance shortfalls, that could be tolerated in isolation, may have a combined impact that could constitute a CAT 1 shortfall and they should then be classified as operationally critical. Any such combinations will be agreed between the GBSR.
- 4.4.6 Additionally, where 'Accept with Proviso' is recommended, the DLoD owner is to provide specific details of the proposed remedial action and agreed deferment date for full goal satisfaction.
- 4.4.7 **Claiming Acceptance and Capability Milestones.** The GBSR RM and PM are responsible for ensuring the SRO receives a copy of each Acceptance Statement Declaration (ASD) with the recommended sentencing incorporated at each acceptance panels. The SRO must respond to the recommended sentencing in a timely manner to maintain the momentum of the ITEA activity in accordance with the AMs as set.
- 4.4.8 **Maturation of the T&E Process.** The T&E process captured within this ITEAP presents an overarching strategy for planning purposes. As the activity progresses and further detail and discussion with the Contractor takes place, the T&E requirements and plan shall evolve. All changes to the T&E requirements as a result of trials, data analysis and priorities should be progressed at a working level via the ITEA Working Group [GBSR D&M SoW Work Package 3.8], feeding into the DLoD working group as required.

5 Project Interdependencies

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- 5.1.1 **Interdependencies with Other Capabilities.** Currently there are no interdependencies with other capabilities. This may change in the future as the desire to integrate various sensors and systems, with platforms, weapons systems and ICT systems.

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ABBREVIATIONS

AESP	Army Equipment Service Publications
AM	Acceptance Milestone
AOO	Army Operations Order
ASD	Acceptance Statement Declaration
BFM	Battlefield Mission
Cap. GM JE	Capability Ground Manoeuvre Joint Effects
CDR	Critical Design Review
CI	Configuration Item
CM	Capability Milestone
CMP	Configuration Management Plan
CMTP	Contractor's Master Test Plan
CONEMP	Concept of Employment
CONUSE	Concept of Use
COTS	Commercial off the Shelf
CTP	Course Training Packages
DE&S	Defence Equipment and Support
DAIS	Defence Assurance and Information Security
DLOD	Defence Lines of Development
DOORS	Dynamic Object Oriented Requirements System
DSTL	Defence Science & Technologies Laboratory
DT	Delivery Team
E3A	Environmental Effects Authority
EBS	Equipment Breakdown Structure
FAT	Factory Acceptance Test
FCA	Functional Configuration Audit
FOC	Full Operating Capability
GBSR	Ground Based Surveillance RADAR
GFX	GFX includes Government Furnished Equipment (GFE), Services (GFS), Facilities (GFF), and Information (GFI)
IOC	Initial Operating Capability
IP	Intellectual Property
ISTAR	Intelligence Surveillance Target Acquisition Reconnaissance
IT	Information Technology
ITE	Independent Technical Evaluation
ITEA	Integrated Test, Evaluation and Acceptance
ITEAP	Integrated Test, Evaluation and Acceptance Plan
JSA	Joint Spectrum Authority

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KUR	Key User Requirement
LFE	Learning from Experience
LLL	Lessons Learned Log
LRU	Line Replaceable Unit
MDAL	Master Data Assumptions List
MOTS	Military Off the Shelf
MSTAR	Man-Portable Surveillance & Target Acquisition RADAR
N/A	Not Applicable
OSD	Out of Service Date
PBL	Product Baseline
PBS	Product Breakdown Structure
PCA	Physical Configuration Audit
RM	Requirements Manager
SCA	Software Configuration Audit
SDP	Service Delivery Plan
SEMC	Safety & Environmental Management Committee
SEMP	Safety & Environmental Management Plan
SEP	Safety & Environmental Panel
SME	Subject Matter Expert
SOP	Standard Operating Procedure
SQEP	Suitably Qualified and Experienced Personnel
SR	System Requirement
SRO	Senior Responsible Owner
SSUN	Single Statement of User Need
T&E	Test and Evaluation
TBD	To Be Determined
TRR	Test Readiness Review
TSoR	Technical Statement of Requirement
UR	User Requirement
URD	User Requirements Document
V&V	Verification and Validation
VVRM	Verification Validation Requirements Matrix
WG	Working Group

6 Appendix A - COTS / MOTS Acceptance Routes

6.1 System Readiness Review

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- 6.1.1 The System Readiness Review [GBSR D&M SoW Work Package 3.2] is the entry gate into the Test Readiness Review 1 (TRR1) [GBSR D&M SoW Work Package 3.3]. The System Readiness Review is hosted and administered by the Contractor at a location mutually agreed by the Authority and its stakeholders.
- 6.1.2 The primary purpose of the System Readiness Review is to confirm that the proposed solution satisfies the performance and functionality requirements specified in the TSoR [Contract Annex C]. This will be achieved by:
- a. Evaluating any preliminary COTS product specifications against the functionality requirements outlined in the TSoR [Contract Annex C].
 - b. Reviewing any additional technical documentation provided by the Contractor.
 - c. Identifying any partial or non-compliance to the functional requirements specified in the TSoR [Contract Annex C].
 - d. Producing a compliance assurance status of their detailed design solution for the GBSR system.
- 6.1.3 The secondary purpose of the System Readiness Review is to confirm that the proposed solution implements appropriate and effective configuration management. This will be achieved by:
- a. Assessing the Equipment Breakdown Structure (EBS) / Product Breakdown Structure (PBS) of the proposed solution to confirm if Configuration Items (CI) have been appropriately identified and selected at a sub-system level;
 - b. Completing a Functional Configuration Audit (FCA) to verify that the proposed solution has achieved the stated performance and functional characteristics specified in the TSoR [Contract Annex C].
 - c. Completing a Software Configuration Audit (SCA) to ensure any loaded software complied with the description of the software accuracies and completeness, requirements, specifications and coding standards.
- 6.1.4 If the proposed solution has any modifications, then the Contractor must present these to the Authority prior to entering the System Readiness Review.

Entry Criteria

- 6.1.5 In order to commence System Readiness Review [GBSR D&M SoW Work Package 3.2], the Contractor shall meet the following entry criteria:

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- a. The Contractor shall provide the Authority with Technical Solution Document Set [GBSR D&M SoW Work Package 2.8] ten (10) business days in advance of the System Readiness Review.
- b. An agenda, including specific objectives for the System Readiness Review shall be agreed with the Authority.
- c. Evidence provided by the Contractor that the System Requirements within the TSOR [Contract Annex C] will be achieved by the COTS solution, including an Equipment Breakdown Structure (EBS) / Product Breakdown Structure (PBS) and any product specifications or any other relevant technical documentation.
- d. An invitation shall be extended to the Authority to attend.

Substance of the Event

- 6.1.6 The System Readiness Review [GBSR D&M SoW Work Package 3.2] will be a meeting hosted and administered by the Contractor.
- 6.1.7 If the proposed solution is MOTS, the Authority shall conduct a Compliance Assurance Status Review on the proposed changes. The aim of the Compliance Assurance Status Review is to ensure the proposed modifications satisfy the requirements.
 - a. The Contractor shall present their detailed system modifications, demonstrating that the design integrity and certification of the original product has been identified and will be mitigated during the subsequent acceptance activities.
- 6.1.8 In the subsequent System Readiness Review, the Contractor shall present, with supporting documentation, how the proposed solution will satisfy the functionality requirements outlined within the TSoR [Contract Annex C].
- 6.1.9 Lastly, the Contractor shall present how the proposed solution implements effective and appropriate configuration management, as well as demonstrating that the Contractor has assembled the resources and plans necessary to achieve the requirements of the contract at an acceptable level of risk.

Exit Criteria

- 6.1.10 To conclude the System Readiness Review [GBSR D&M SoW Work Package 3.2], the Contractor shall meet the following exit criteria:

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- a. The Contractor shall demonstrate to the Authority that the proposed COTS/MOTS solution satisfies the functional requirements outlined within the TSoR [Contract Annex C].
- b. The Authority will record the Compliance Assurance Status of the proposed design, with all parties present agreeing to the recorded status prior to progressing to TRR1.
- c. The Contractor shall provide a full Equipment Breakdown Structure / Product Breakdown Structure outlining the Configurable Items within the proposed solution.
- d. The authority have completed the Functional Configuration Audit (FCA) and Software Configuration Audit (SCA) outlined within the Configuration Management Plan.
- e. Any red or amber compliance assessments to the functional requirements in the Compliance Assurance Status shall be outlined with appropriate mitigation strategies.
- f. The Contractor has produced and delivered the System Readiness Review minutes to the Authority.
- g. The Authority have approved the System Readiness Review minutes.
- h. The Authority shall provide written acceptance of completion of the System Readiness Review.

7 Appendix B Test Readiness Reviews

7.1 Test Readiness Review 1 (TRR1)

- 7.1.1 TRR1 [GBSR D&M SoW Work Package 3.3] is the entry gate into FAT [GBSR D&M SoW Work Package 3.4]. TRR1 is hosted and administered by the Contractor at the Contractor's premises with the support of the Authority and its stakeholders.

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- 7.1.2 The primary purpose of TRR1 [GBSR D&M SoW Work Package 3.3] is to confirm and demonstrate to the Authority that the Contractor has achieved the appropriate levels of integration and test maturity to enable transition into Factory Acceptance Tests [GBSR D&M SoW Work Package 3.4] at an acceptable level of risk. The other purposes of TRR1 are:
- a. For the Contractor to present a summary of the extent of Contractor test activities and their results including but not limited to regression testing, hardware testing and environmental qualification testing carried out so far;
 - b. Verify that the System Readiness Review [GBSR D&M SoW Work Package 3.2] and (in the case of a MOTS solution) a Modification Design Review have passed their respective exit criteria;
 - c. Consider and sentence any open actions and observations from the System Readiness Review [GBSR D&M SoW Work Package 3.2] or Modification Design Review;
 - d. Verify FAT scripts including the pass and fail criteria have been written and agreed between both parties including expected outcomes in accordance with the Statement of Work and Appendix C, which details the entry and exit criteria for the FAT [GBSR D&M SoW Work Package 3.4];
 - e. For both parties to confirm that all necessary resources are available for FAT [GBSR D&M SoW Work Package 3.4];
 - f. In preparation for TRR1 [GBSR D&M SoW Work Package 3.3] the Contractor shall produce Resolution Plans for all outstanding actions, incidents and observations.

Entry Criteria

- 7.1.3 In order to commence TRR1 [GBSR D&M SoW Work Package 3.3], the Contractor shall meet the following entry criteria:
- a. Have successfully completed the System Readiness Review [GBSR D&M SoW Work Package 3.2] and reviewed any outstanding mitigation actions resulting from the meeting;

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- b. All TSoR and VVRM elements that are verified by documentation or certification will be verified to confirm that they meet both the TSoR [Contract Annex C] and VVRM [Contract Annex C Appendix 2];
- c. All verification cases and procedures will be baselined and ready to support the Acceptance trials detailed in the ITEAP;

Substance of the Event

7.1.4 TRR1 [GBSR D&M SoW Work Package 3.3] will be a meeting hosted and administered by the Contractor. The Contractor shall present, with supporting documentation, what they have done, and intend to do, to ensure a successful FAT [GBSR D&M SoW Work Package 3.4]. The Authority will be most interested in the resources (including manpower) and the risk management that the Contractor shall use to minimise delay. The Authority shall determine if the Contractor has successfully passed TRR1 to commence FAT [GBSR D&M SoW Work Package 3.4].

Exit Criteria

- 7.1.5 To conclude the TRR1, the Contractor shall meet the following exit criteria:
- a. The basis for pass or failure of FAT will have been approved by the Authority.
 - b. All issues (action items, schedule etc.) related to the Factory Acceptance Tests will have been agreed by all stakeholders.
 - c. A finalised ITEAP will have been approved by the meeting forum.
 - d. Verification approaches follow those agreed in the TSoR [Contract Annex C], VVRM [Contract Annex C Appendix 2] and ITEAP.
 - e. All actions and observations raised during TRR1 have an agreed plan to resolve in accordance with the ITEAP.
 - f. Current risks and any new risks, including mitigation plans, are identified, assessed and agreed by both parties to be at an acceptable level to continue.
 - g. The Contractor has produced and delivered the TRR1 minutes to the Authority.
 - h. The Authority have approved the TRR1 minutes.

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7.2 Test Readiness Review 2 (TRR2)

7.2.1 TRR2 [GBSR D&M SoW Work Package 3.3] is the entry gate to the Live Firing trial [GBSR D&M SoW Work Package 3.5]. TRR2 is hosted and administered by the Contractor at the Contractor's premises with the support of the Authority and its stakeholders.

7.2.2 The primary purpose of TRR2 is to confirm and demonstrate to the Authority that the Contractor has achieved the appropriate levels of test maturity to enable transition into Live Firing at a level of risk acceptable to the Authority. The other purposes of TRR2 are:

- a. Consider and sentence any open actions and observations from the FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7].
- b. Verify Live Firing Test scripts including the pass and fail criteria have been written and agreed between both parties including expected outcomes in accordance with the TSoR [Contract Annex C], VVRM [Contract Annex C Appendix 2]and ITEAP.
- c. For both parties to confirm that all necessary resources are available for Live Firing [GBSR D&M SoW Work Package 3.5];

Entry Criteria

7.2.3 To commence TRR2 [GBSR D&M SoW Work Package 3.3], the Contractor shall meet the following entry criteria:

- a. The Contractor shall have successfully completed FAT [GBSR D&M SoW Work Package 3.4] and the Authority has held a FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7].
- b. Configuration for the capability will have been baselined against the BFM.
- c. All verification cases and procedures will be baselined and ready to support Live Firing [GBSR D&M SoW Work Package 3.5] as detailed in Appendix C Section 8.2.
- d. Open Incidents will have updates to state their severity, and a plan to resolve them.
- e. Open Incidents sentenced to Critical or considered as P1 or P2, regardless of whether these are system Incidents, will have agreed and detailed resolution plans.
- f. FAT Test reports have been delivered to the Authority 15 business days prior to TRR2.

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Substance of the Event

7.2.4 The TRR2 [GBSR D&M SoW Work Package 3.3] will be a meeting hosted and administered by the Contractor. The Contractor shall present, with supporting documentation, what it has done and intends to do to ensure successful Live Firing. The Authority will be most interested in the resources (including manpower) and the risk management that the Contractor shall use to minimise delay. The Authority will decide whether the Live Firing Test [GBSR D&M SoW Work Package 3.5] can commence.

Exit Criteria

- 7.2.5 To exit TRR2, the Contractor shall meet the following exit criteria:
- a. The Authority has approved the basis for pass or failure of the Live Firing Trial;
 - b. All issues (action items, schedule etc.) related to the FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7] will have been approved by the Authority.
 - c. A finalised ITEAP will have been approved by the meeting forum.
 - d. Verification approaches follow those in the TSoR [Contract Annex C], VVRM [Contract Annex C Appendix 2] and ITEAP.
 - e. All actions and observations raised during TRR2 have Resolution Plans that the Authority has approved.
 - f. Current risks and any new risks, including mitigation plans, are identified, assessed and approved by the Authority to be at an acceptable level to continue.
 - g. The Contractor has produced and delivered the TRR2 minutes to the Authority.
 - h. The TRR2 minutes have been approved by the Authority.

7.3 Test Readiness Review 3 (TRR3)

7.3.1 Test Readiness Review 3 (TRR3) [GBSR D&M SoW Work Package 3.3] is the entry gate for User Acceptance Testing (UAT) [GBSR D&M SoW Work

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Package 3.6] and the Logistic Support Date (LSD). TRR3 is hosted and administered by the Contractor.

7.3.2 The primary purpose of TRR3 is to confirm and demonstrate to the Authority that the Contractor has achieved the appropriate levels of test maturity to enable transition into UAT, LSD and the initial delivery of training, at an acceptable level of risk. The other purposes of TRR3 are:

- a. Consider and sentence any open actions and observations from Live Firing [GBSR D&M SoW Work Package 3.5] and the Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7];
- b. Verify UAT Test Scripts lead up to validating the BFM including the pass and fail criteria have been written and approved by the Authority including expected outcomes;
- c. For both parties to confirm that all necessary resources are available for UAT [GBSR D&M SoW Work Package 3.6];

7.3.3 In preparation for TRR3 [GBSR D&M SoW Work Package 3.3], the Contractor shall produce Resolution Plans for all outstanding actions, Incidents and Observations.

Entry Criteria

7.3.4 To commence TRR3, the Contractor shall meet the following entry criteria:

- a. The Contractor shall have successfully completed FAT [GBSR D&M SoW Work Package 3.4] and Live Firing [GBSR D&M SoW Work Package 3.5] and the Authority has held a Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7] and approved FAT as successful.
- b. The final Live Firing Trial reports have been delivered to the Authority 15 business days prior to TRR3.
- c. Configuration for the capability will have been baselined against the TSoR [Contract Annex C], VVRM [Contract Annex C Appendix 2], the GBSR D&M Statement of Work and the Battlefield Mission (BFM) [Contract Annex C Appendix 1].
- d. Applicable DLODs will be ready to support UAT.

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- e. Open Incidents and Observations will have a Resolution Plan approved by the Authority.
- f. Resolution Plans for open Incidents and Observations sentenced to Critical or considered as P1 or P2 will have been accepted by the Authority.

Substance of the Event

7.3.5 TRR3 will be a meeting hosted and administered by the Authority. The Contractor shall present, what it has done and intends to do to provide support to User Acceptance Testing (UAT) [GBSR D&M SoW Work Package 3.6]. The Authority will be most interested in the resources (including manpower) and the risk management that the Contractor shall use to minimise delay. The Authority will decide whether the UAT can commence.

Exit Criteria

- 7.3.6 To conclude the TRR3 [GBSR D&M SoW Work Package 3.3], the Contractor shall meet the following exit criteria:
- a. The Authority has approved the pass or failure criteria of UAT [GBSR D&M SoW Work Package 3.6].
 - b. Preparations are in place for the declaration of the Logistics Support Date (LSD)
 - c. All actions and observations raised during TRR3 have a Resolution Plan.
 - d. Current risks and any new risks, including mitigation plans, are identified, assessed and approved by the Authority to be at an acceptable level to continue.
 - e. The Authority has produced and delivered the TRR3 minutes to the meeting forum.
 - f. The TRR3 minutes have been approved by all attendees.

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8 Appendix C – Acceptance Tests

8.1 Factory Acceptance Testing (FAT)

- 8.1.1 The FAT [GBSR D&M SoW Work Package 3.4] will be hosted and supported by the Contractor at the Contractor's premises with the support of the Authority and its stakeholders. The FAT reports will be issued by the Contractor.
- 8.1.2 The FAT will follow the ITEAP to verify the contract deliverables against the TSoR [Contract Annex C], the GBSR D&M SoW and VVRM [Contract Annex C Appendix 2].
- 8.1.3 The Contractor shall execute the detailed step-by-step test scripts approved at the TRR1 or another appropriate forum. The Authority reserves the right to select a small number of tests to demonstrate that no undue regression has occurred. If there is evidence of regression, then the trial will be re-run after rectification.
- 8.1.4 If a test deviates from a script it may be necessary to restart the script to ensure that the requirement is demonstrated.

Entry Criteria

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8.1.5 To commence this phase of testing the Contractor shall meet the following Entry Criteria:

- a. Successful conclusion of TRR1 [GBSR D&M SoW Work Package 3.3];
- b. Test scripts including pass and fail criteria as agreed in TRR1;
- c. All necessary equipment and test personnel in place;
- d. An invitation to the Authority to attend. The Authority's attendance or consultation with subject matter experts (including representatives of the PT, the Safety WG and representatives of the stakeholder community) to perform an adequate review will be the responsibility of the Authority.

Substance of the Event

8.1.6 The conduct of trials will be as follows:

- a. Trials will precisely follow the approved test scripts. Test scripts can be stopped or repeated by agreement of Authority and Contractor's personnel at the test or by their line-management.
- b. Incidents will be recorded and sentenced.
- c. Incidents will have a Resolution Plan.
- d. Statistical data will be produced to inform the FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7] and the Logistics Support Committee (LSC) [GBSR D&M SoW Work Package 6.1].

Exit Criteria

8.1.7 To conclude the FAT [GBSR D&M SoW Work Package 3.4], the Contractor shall meet the following exit criteria:

- a. The Contractor shall issue the FAT report within 10 business days of test completion.
- b. The Authority has approved the FAT Report.
- c. On conclusion of FAT, the Authority will hold a FAT Acceptance Panel. The FAT Acceptance Panel comprising the members of the ITEA WG and the staff who undertook the FAT.
- d. The Contractor satisfy the FAT Acceptance Panel.

8.2 Live Firing Trial

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- 8.2.1 The Live Firing Trial [GBSR D&M SoW Work Package 3.5] will be hosted and administered by the Contractor at the Contractor's premises with the support of the Authority and its stakeholders. The Live Firing Report will be issued by the Contractor.
- 8.2.2 The Live Firing Trial will compare the measured performance of the GBSR system that has been developed by the Contractor with the measured performance of the Authority's in-service MSTAR Mk IV system, in terms of the ability to detect, track and classify moving targets and to detect and correct Artillery Fall of Shot (FoS). The tests will include but not limited to; time into and out of action, radiation emissions, reliability and human factors. The Battlefield Mission (BFM) describes the operational use of the radar and will be used to develop representative test scripts. The tests will run concurrently for each equipment to so far as possible to minimise variability due to weather. Users will be provided for each system with equivalent levels of training, experience and capability. The capabilities of the users shall not give either equipment an advantage.
- 8.2.3 The objective of the Live Firing Trial is to show that the obsolescence in the in-service MSTAR Mk IV has been mitigated by the Contractor's proposed solution with no reduction in performance.

Entry Criteria

- 8.2.4 To commence Live Firing, the Contractor shall meet the following entry criteria:
- Successful conclusion of the FAT Acceptance Panel [GBSR D&M SoW Work Package 3.7] and TRR2 [GBSR D&M SoW Work Package 3.3];
 - Live Firing Test Scripts, including pass and fail criteria as agreed in TRR2;
 - All necessary test equipment and test personnel in place;
 - Up to date and accurate ITEAP and VVRM [Contract Annex C Appendix 2].

Substance of Event

- 8.2.5 Live Firing shall be conducted by the contractor across 3 phases:
- Preparation:** Including meeting, reconnaissance of the test site, development of test scripts, rehearsals of the test, exchanges of

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information by email and through shared working areas and other such preparations to maximise the probability of a successful demonstration.

- b. **Execution:** The running of the tests with the in-service MSTAR and the Contractor's solution performing side by side on the same targets, in the same conditions, with similar users, to the same test standards and measured in the same way.
- c. **Exploitation:** The use of the data gathered during the execution phase to form the Acceptance case and justify any remedial actions required.

Preparation Phase

8.2.6 The objectives of the Preparation phase are to:

- a. Develop, agree and approve Live Firing Test scripts that can achieve the requirements of the Live Firing Trial [GBSR D&M SoW Work Package 3.5];
- b. Identify and manage risks to the Live Firing Trial;
- c. Ensure that the necessary resources (including manpower) have been allocated to the trials;
- d. Ensure that appropriately resourced contingencies (including manpower) have been made for rectifying partial or non-compliances with the TSoR [Contract Annex C]] and VVRM [Contract Annex C Appendix 2];

Execution Phase

8.2.7 The Live Firing Trial will have the in-service MSTAR and the Contractor's solution performing side by side on the same targets, in the same conditions, with similar users, to the same test standards and measured in the same way. It will have detailed test scripts agreed in the Preparation Phase with observers from the Authority and the Contractor to witness that the test scripts have been followed correctly. It will be managed in detail by the ITEA WG [GBSR D&M SoW Work Package 3.8].

8.2.8 For each test, the Contractor must demonstrate that:

- a. Both systems are functioning correctly under test conditions;
- b. Both systems are set up correctly to undertake the test script; all personnel involved are SQEP and trained for their roles;
- c. Any munitions can be fired safely;

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- d. The performance of the equipment can be observed and measured as per the test script;
- e. Both the Contractor and Authority observers are recording all data (including Incidents) on the test script.

8.2.9 The Contractor shall prepare and submit a report on the Live Fire Trial [GBSR D&M SoW Work Package 3.5] to the ITEA WG within 20 business days of completion of the Live Firing Trial. The ITEA WG [GBSR D&M SoW Work Package 3.8] will consider the report and its own observations and confirm achievement of the test objective or provide a list of remedial activities together with justification. Remedial activities that cannot be performed within the agreed Trial Plan will be transferred to the Exploitation Phase.

8.2.10 The objectives of the Execution Phase are to:

- a. Ensure the Live Firing Test scripts as agreed in TRR2 are delivered;
- b. Identify and manage risks to the Live Firing Trial [GBSR D&M SoW Work Package 3.5];
- c. Ensure that the necessary resources (including manpower) are present for the trials;
- d. Ensure that appropriately resourced contingencies are executed for partial or non-compliances with the TSoR [Contract Annex C] and VVRM [Contract Annex C Appendix 2].
- e. Ensure the Live Firing schedule is delivered to achieve the requirements of the Live Firing Trial [GBSR D&M SoW Work Package 3.5];
- f. Categorise and record any Incidents (P1, P2, P3, P4).
- g. Anticipate the requirements of the Exploitation Phase.

Exploitation Phase

8.2.11 The Exploitation Phase will take maximum advantage of the data and information gathered from the trial. The objectives of the Exploitation phase are to:

- a. Update the VVRM [Contract Annex C Appendix 2] with evidence from the tests conducted.;
- b. Record and sentence all trial observations and any incidents with actions and resolution plans agreed by both parties;

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- c. Agree the acceptance status against trial pass and failure criteria as agreed in TRR2 [GBSR D&M SoW Work Package 3.3].

Exit Criteria

8.2.12 To Conclude the Live Firing, the following exit criteria must be met by the Contractor:

- a. The Live Firing Report has been produced and delivered to the Authority within 10 business days of completion of the Live Firing Trial;
- b. The Authority has approved the Live Firing Report;
- c. The Contractor's proposed solution is shown to be at least as good as the in-service MSTAR as agreed in the TSoR [Contract Annex C], and the VVRM [Contract Annex C Appendix 2];
- d. The Contractor's proposed system has passed all the Live Firing Test Scripts or exceptions agreed within the Exploitation Phase
- e. Risks to the Acceptance Process have been identified and assessed with mitigation plans;
- f. Statistical data has been produced to inform the Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7] and LSC [GBSR D&M SoW Work Package 6.1].

8.3 User Acceptance Testing (UAT)

8.3.1 The UAT [GBSR D&M SoW Work Package 3.6] will be hosted and administered by the Authority and supported by its stakeholders and the Contractor and shall likely be conducted upon [REDACTED]
[REDACTED]

8.3.2 The UAT will follow the UAT Trials Plan (written by the Authority) that will be based around the BFM. The UAT is to validate that all the DLODs are fit for purpose i.e. they combine to deliver the GBSR capability at least as well as the in-service MSTAR. The focus will therefore be on the Equipment, Training and Logistics DLODs, although sufficient regression testing will be included for the other DLODs. The Contractor will not be held responsible for DLODs outside of its control and tests of these other factors are for the Authority's internal assurance.

8.3.3 The UAT will be used by the Authority to complete the Physical Configuration Audit (PCA) outlined within the Configuration Management Plan.

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Entry Criteria

8.3.4 To commence UAT, the following entry criteria will be met:

- a. Successful conclusion of TRR3 [GBSR D&M SoW Work Package 3.3];
- b. All Cat 1 and 2 Resolution Plans have been executed and the outcome is satisfactory to the Authority.
- c. Test scripts are available including pass and fail criteria as approved in TRR3;
- d. All necessary equipment and trained personnel are in place:
 - i. The Contractor has delivered ■ GBSR systems to ■ to be used within UAT.
 - ii. The soldiers conducting the UAT have been trained as approved by TRR3;
 - iii. The soldiers conducting the UAT are in place;
 - iv. The logistics are in place as agrees by TRR3 e.g. spares, tools and publications;
 - v. ■ staff are in place;
 - vi. ■ facilities are available, including the training area;
 - vii. ■ support is in place.

Substance of the Event

8.3.5 The conduct of the trials will be as follows:

- a. Trials will follow the Authority's test scripts. Test scripts can be stopped or repeated by agreement of Authority and Contractor's personnel at the test or by their line-management;
- b. Incidents will be recorded and sentenced, and the Contractor shall produce a Resolution Plan for each;
- c. The Authority shall also conduct the Physical Configuration Audit outlined within the Configuration Management Plan.
- d. Statistical data will be produced to inform the LSD and Logistics Support Committee (LSC) [GBSR D&M SoW Work Package 6.1];
- e. The Authority will issue the UAT trial report within 15 business days of trial completion for the Acceptance of the 1st GBSR.

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Exit Criteria

8.3.6 To exit UAT, the Contractor shall meet the following exit criteria:

- a. The GBSR shall have passed all of the test scripts;
- b. The DLODs shall have worked together to produce a GBSR capability that is at least as good as the in-service MSTAR. The Contractor will not be held responsible for areas outside of its control;
- c. The RATDU report shall recommend a pass;
- d. All issues (action items, schedule etc.) related to the UAT will have been approved by the Authority;
- e. The Authority have completed the Physical Configuration Audit (PCA) outlined within the Configuration Management Plan.
- f. Current risks and any new risks, including mitigation plans, are identified, assessed and approved by the Authority to be at an acceptable level to continue.
- g. A finalised VVRM will have been approved by the Authority. A finalised VVRM will show all the evidence of V&V and how it demonstrates that every system requirement has been fully satisfied.

ITEAP For GBSR

9 Appendix D - Acceptance Panels

9.1 FAT Acceptance Panel

9.1.1 On conclusion of Factory Acceptance and prior to TRR2 [GBSR D&M SoW Work Package 3.3], a Factory Acceptance Panel will be convened.

9.1.2 The following people will form the core of the Factory Acceptance Panel:

- a. For the Authority: Project Manager, Requirements Manager, Lead Engineer, Through-Life Support Manager, User representative.
- b. For the Contractor: Appropriate SQEP.

9.1.3 The purpose of the Factory Acceptance Panel is to:

- a. Sentence Observations and Incidents;
- b. Produce statistical data (e.g. progress against SRs) to inform the Authority's decision making representatives;
- c. Establish whether the requirements of the FAT, the TSoR [Contract Annex C] and the VVRM [Contract Annex C Appendix 2] have been achieved;
- d. Identify lessons learnt from the FAT [GBSR D&M SoW Work Package 3.4];
- e. Consider whether further tests are required or need repeating, or whether further verification evidence is required.

Entry Criteria

9.1.4 To commence the FAT Acceptance Panel, the following entry criteria will be met:

- a. All FAT test scripts will have been completed;
- b. The FAT test report has been produced and the Contractor has responded to all the outstanding actions and observations;
- c. The Contractor shall produce Resolution Plans for all outstanding actions, Incidents and observations.

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Substance of the Event

- 9.1.5 The FAT acceptance panel [GBSR D&M SoW Work Package 3.7] will be a meeting hosted and administered by the Contractor. The Contractor shall present, with supporting documentation, the results of FAT [GBSR D&M SoW Work Package 3.4]. The Authority will be most interested in the resources (including manpower) and the risk management that the contractor shall use to minimise delay. The Authority will decide whether the Contractor has passed FAT.

Exit Criteria

- 9.1.6 On conclusion of Factory Acceptance Panel [GBSR D&M SoW Work Package 3.7], a recommendation will be made to proceed to TRR2 [GBSR D&M SoW Work Package 3.3].

9.2 Live Firing Acceptance Panel

- 9.2.1 On conclusion of the Live Firing Trial [GBSR D&M SoW Work Package 3.5] and prior to TRR3 an Authority Live Firing Acceptance Panel will be convened.
- 9.2.2 The following people will form the core of the Live Firing Acceptance Panel:
- a. For the Authority: Project Manager, Requirements Manager, Lead Engineer, Through-Life Support Manager, User representative.
 - b. For the Contractor: Appropriate SQEP.
- 9.2.3 The purpose of the Live Firing Acceptance Panel is to:
- a. Sentence test observations and Incidents;
 - b. Produce statistical data to inform decision makers (e.g. progress against SRs);
 - c. Establish whether the requirements of the Live Firing, the TSoR [Contract Annex C] and the VVRM [Contract Annex C Appendix 2] have been achieved;
 - d. Identify lessons learnt from Live Firing [GBSR D&M SoW Work Package 3.5];
 - e. Consider whether further Live Firing is required or needs repeating, or whether further verification evidence is required.

Entry Criteria

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9.2.4 To commence the Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7], the following criteria will be met:

- a. All Live Firing test scripts have been passed;
- b. The Live Firing Test Report has been produced and the Contractor has Resolution Plans for all outstanding Incidents.

Substance of the Event

9.2.5 The Live Firing Acceptance Panel [GBSR D&M SoW Work Package 3.7] will be a meeting hosted and administered by the Contractor. The Contractor shall present, with supporting documentation, the results of Live Firing. The Authority will decide whether the Live Firing [GBSR D&M SoW Work Package 3.5] has been passed.

Exit Criteria

9.2.6 On conclusion of the Live Firing Acceptance Panel, a recommendation will be made to TRR3 [GBSR D&M SoW Work Package 3.3] and Ready for Training Date.

9.3 Full Acceptance Panel

9.3.1 Final Acceptance includes the requirements for a production delivery Full Acceptance Panel [GBSR D&M SoW Work Package 3.3].

9.3.2 The following people will form the core of the Full Acceptance Panel:

- a. For the Authority: Project Manager, Requirements Manager, Lead Engineer, Through-Life Support Manager, User representative, Senior Responsible Officer (SRO), Capability Sponsor, Safety Engineer, Artillery Systems Team Leader, [REDACTED] Head, Lead User.
- b. For the Contractor: Appropriate SQEP.

Entry Criteria

9.3.3 To commence the Full Acceptance Panel [GBSR D&M SoW Work Package 3.3], the following entry criteria will be met:

- a. The Contractor has delivered a Certificate of Conformity for each system;
- b. UAT [GBSR D&M SoW Work Package 3.6] has been passed;
- c. The Authority has produced the UAT Trial Report;

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- d. The Contractor has a Resolution Plan for all incidents;

Substance of the Event

9.3.4 The Full Acceptance Panel [GBSR D&M SoW Work Package 3.3] will be a meeting hosted and administered by the Authority. The meeting shall also constitute the first GBSR Change Control Committee (CCC) and shall be used to accept the GBSR product Baseline (PBL) as defined within the Configuration Management Plan. The Contractor shall be informed of the results in a formal report. If the Contractor is considered responsible for any shortcomings, then the Authority will make these clear in writing.

Exit criteria

- 9.3.5 To conclude the Acceptance of the GBSR systems, the following exit criteria will be met:
- a. There are no outstanding Incidents or observations;
 - b. The Contractor has fully delivered all Resolution Plans;
 - c. The GBSR Product Baseline (PBL) will be accepted by the Authority and ownership of and responsibility for maintaining the GBSR Configuration Status Record (CSR) and all other configuration documentation shall be transferred to Under Ministry Control (UMC).
 - d. An Acceptance Certificate will be issued to the Contractor by the Authority.

10 Appendix E - Working Groups

10.1 ITEA Working Group

10.1.1 The objectives of the ITEA WG [GBSR D&M SoW Work Package 3.8] are to;

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- a. Maintain the test, evaluation and acceptance plan and schedule.
- b. Identify and manage test, evaluation and acceptance risks (for inclusion in the Project Risk Register).
- c. Prioritise test, evaluation and acceptance activities.
- d. Make updates to the ITEAP and VVRM [Contract Annex C Appendix 2] (subject to contract amendment).
- e. Manage test, evaluation and acceptance resources (including equipment and people).
- f. Provide further clarification regarding the ITEA process.

10.1.2 The following people will form the core of the ITEA WG [GBSR D&M SoW Work Package 3.8] and will have the responsibilities shown:

- a. For the Authority: Project Manager, Requirements Manager, Lead Engineer, Through-Life Support Manager, User representative.
- b. For the Contractor: Appropriate SQEP.

10.1.3 Each meeting of the ITEA WG [GBSR D&M SoW Work Package 3.8] will use the following standing agenda. ITEA WG members can invite additional, non-voting, attendees, subject to approval by the Chair.

10.1.4 Output. The main outputs of the ITEA WG [GBSR D&M SoW Work Package 3.8] will be; mutual understanding; reduced cost and time through efficient acceptance; and occasional reports and advice to the Project Board. The Contractor shall complete any assigned actions following each ITEA WG within timescales agreed by the Authority.

Serial	Agenda Item
1	Opening remarks from the Chair and Contractor's PM
2	Introductions
3	Progress against the Process and Schedule
4	Activities to recover the Process and Schedule

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5	Identify Risks to the Process and Schedule
6	Manage Risks to the Process and Schedule
7	Manage resources
8	Update the ITEAP and VVRM (subject to contract amendment)
9	Disambiguate the ITEA process
10	Date of next meeting

Table 5 – ITEA WG Agenda

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11.1 Availability, Reliability and Maintainability (AR&M) Assurance and Logistic Demonstration 1 (Log Demo 1)

11.1.1 Acceptance of Log Demo 1 [GBSR D&M SoW Work Package 5.4] will confirm that the Contractor has completed the elements of the ILS programme of work needed for GBSR to be supportable during UAT.

11.1.2 The following people will attend Log Demo 1

- a. For the Authority: Project Manager, Technical Through Life Support (TTLS) Manager, Lead Engineer.
- b. For the Contractor: Appropriate SQEP.

11.1.3 On conclusion of Plans and Reports acceptance by the Authority, progressive acceptance of Availability, Reliability and Maintainability (AR&M) against the TSoR and ILS SOW will take place as described in the agreed VVRM [Contract Annex C Appendix 2], AR&M Case Plan and associated plans. Evidence shall be provided in AR&M Case Reports, including evidence from Reliability and Maintainability Demonstrations and Ease of Maintenance Assessment (EMA). The accumulated body of evidence will comprise the AR&M Case which shall demonstrate that the Contractor has met the AR&M requirements.

Entry Criteria

11.1.4 To commence the Assurance, the following entry criteria will be met:

- a. The VVRM [Contract Annex C Appendix 2] has been accepted;
- b. The AR&M Case Plan has been accepted;
- c. The Reliability Demonstration Plan has been accepted;
- d. The Maintenance Demonstration Plan has been accepted;
- e. The Ease of Assessment Plan has been accepted;
- f. The Technical Specification Document has been accepted.

Substance of the Event

11.1.5 Incident Sentencing Panels (ISP) will be used for the formal qualification and acceptance by the Authority of the progressive AR&M Case. This will confirm

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that the Contractor has delivered against the AR&M requirements and qualify areas that the Contractor must address.

11.1.6 The conduct of Progressive Assurance will be as follows:

- a. The Contractor shall conduct demonstrations precisely in accordance with the approved plans. The Authority reserves the right to require a demonstration to be repeated at its discretion;
- b. Incidents shall be recorded and sentenced;
- c. Incidents shall have a Resolution Plan;
- d. The results of demonstrations, trials and other tests shall be presented in periodic AR&M Case Reports throughout the Progressive Assurance;
- e. Case Reports shall be provided at least 15 business days in advance of an ISP for acceptance, in accordance with the agreed AR&M Case Plan.
- f. Case Reports shall include accumulated statistical data to progressively build a body of evidence.
- g. The evidence shall be used to create an argument for the claims that the AR&M requirements have been or will be met.

11.1.7 The ISP will be tasked with the following activities:

- a. Review of Incident data;
- b. Determination of the root cause of the Incident. Perform further investigations where there is a potential of secondary or interoperability AR&M issue;
- c. Assessment and review of any recommended immediate resolution and corrective actions to restore functionality to the failed equipment or function;
- d. Determination and verification of any proposed change in the design, operation, training or maintenance of the equipment and function;
- e. Determination of sentencing classification of all AR&M Incidents and function related observations;
- f. Maintenance of an auditable trail for each sentencing and Incident decision made (meeting minutes, evidence presented, rationale for decisions and resultant actions) which are included as part of the Logistics Information Repository (LIR);

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- g. Be responsible to and report findings to other key Governance Areas, LSC, Risk, Security, Safety and Environmental.

11.1.8 The ISP will fully evaluate all Incidents recorded and noted that occur during testing, ascertaining their cause, applicability, severity and impact on the System and the justifications for meeting and failing AR&M requirements.

Exit Criteria

11.1.9 For Log Demo 1 to be accepted the following exit criteria shall be met by the Contractor:

- a. A body of evidence in the form of an AR&M Case, demonstrating that the Contractor has met the AR&M requirements in the TSoR [Contract Annex C] and ILS SoW has been accepted by the Authority Ready for Training – Trials has been achieved.
- b. All in scope Technical Publications have been Validated and delivered to the agreed category.;
- c. All Items of Supply agreed as candidates for codification have been codified and agreed with the Codification Authority.
- d. The agreed Range and Scale of Spares, required for UAT [GBSR D&M SoW Work Package 3.6], contained in the IP list have been delivered to the Authority, or are available under the terms of a Logistic Solution;
- e. All Items of Supply are packaged and labelled to an agreed level, including identification of any special handling warning for hazardous items requiring special transportation measures;
- f. All CES parts are easily identifiable by the user with each part having supporting photographs converted to diagrams, in addition to the part number and codification details.
- g. Level 1, 2 and 3 support equipment has been identified, detailed in the relevant publication, codified, and supplied for the scale agreed for UAT;
- h. A DRACAS System has been established and demonstrated to prove the mechanisms of the ISP and information requirements in the reporting, sentencing and resolving of Incidents and Observations;
- i. Logistic Demonstration 1 has been accepted.

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11.2 Logistic Demonstration 2 (Log Demo 2)

11.2.1 Acceptance of Log Demo 2 will confirm that the Contractor has completed the elements of the ILS programme of work needed for GBSR to achieve IOC.

Entry Criteria

11.2.2 Log Demo 1 has been accepted.

11.2.3 Ready for Training Date has been accepted.

11.2.4 The agreed Range and Scale of Spares, required for IOC, contained in the IP list have been delivered, or are available under the terms of a logistic solution and including an enhanced service, to meet the Fielding Schedule of GBSR

11.2.5 Depth repair support services have been agreed, established and in place in time to enable the fielding of GBSR.

11.2.6 Level 1, 2 and 3 support equipment has been identified, detailed in the relevant publication, codified and delivered to meet the Fielding Schedule of GBSR.

11.2.7 The level of service established and agreed and documented in Supply Support and CLS Plans. These shall contain Key Performance Indicators for monitoring Contractor provided services.

Substance of the Event

11.2.8 The Contractor shall provide evidence that they have completed the elements of ILS programme required for IOC, in accordance with the ILS SoW and VVRM [Contract Annex C Appendix 2], for acceptance by the Authority.

Exit Criteria

11.2.9 For Log Demo 2 to be accepted the following exit criteria shall be met by the Contractor:

- a. The GBSR support elements have passed testing in accordance with the VVRM [Contract Annex C Appendix 2];
- b. Risks have been identified and assessed with approved mitigation plans;
- c. The Contractor shall provide a report to the Authority at least 15 business days prior to the proposed Log Demo 2 acceptance. An authorised representative of the Contractor shall sign the report as

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being a true record of the testing, the results taken, and the observations noted;

- d. All actions and observations raised during the event have been concluded and sentenced or a plan to resolve has been agreed between both parties.

11.3 Logistic Demonstration 3 (Log Demo 3) – Logistic Support Date (LSD)

11.3.1 Acceptance of Log Demo 3 will confirm that the Contractor has completed the elements of the ILS programme of work needed for GBSR to achieve FOC.

Entry Criteria

11.3.2 Log Demo 2 has been accepted.

11.3.3 The full extent of the logistic solution is operational.

11.3.4 The agreed Range and Scale of Spares, required for FOC, contained in the IP list have been delivered, or are available under the terms of logistic solution and including an enhanced service, to meet the fielding schedule of GBSR.

Substance of the Event

11.3.5 The Contractor shall provide evidence that they have completed the elements of ILS programme required for IOC, in accordance with the VVRM [Contract Annex C Appendix 2], for acceptance by the Authority.

Exit Criteria

11.3.6 For Log Demo 3 to be accepted the following exit criteria shall be met by the Contractor:

- a. The GBSR support elements have passed testing in accordance with the VVRM [Contract Annex C Appendix 2];
- b. Risks have been identified and assessed with approved mitigation plans;
- c. The Contractor shall provide a report to the Authority at least 15 business days prior to the proposed Log Demo 3 acceptance. An authorised representative of the Contractor shall sign the report as being a true record of the testing, the results taken, and all observations noted;

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- d. All actions and observations raised during the event have been concluded and sentenced or a plan to resolve has been agreed between both parties.

12 Appendix G – Training

12.1 Training Analysis

- 12.1.1 On conclusion of Plans and Reports acceptance by the Authority, ITEA progressive acceptance of TNA products against the ILS SoW will take place as described in the agreed VVRM, Training Skills Review Plan (TSRP) and associated plans.

Entry Criteria

- 12.1.2 To commence Training Analysis acceptance, the following criteria will be met:
 - a. The VVRM [Contract Annex C Appendix 2] has been accepted;
 - b. The TSRP has been accepted;

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- c. The Contractor has completed a Role Review Scoping Report for all appropriate roles.

Substance of the Event

- 12.1.3 Internal quality assurance of all TNA products has been conducted by the Contractor.
- 12.1.4 Drafts of each TNA product shall be delivered to the Authority no less than 25 business days prior to the scheduled acceptance in the VVRM. Each TNA product will need to be accepted by the Training Steering Group, which is chaired by the Training DLOD. The Authority will review and provide any comments to the Contractor within 10 business days from receipt. The final versions to be delivered to the Authority within 15 business days of receipt of Authority comments.
- 12.1.5 The Training Analysis process is iterative, and all TNA products shall be updated accordingly to reflect amendments to any single one. Amended TNA products shall be resubmitted for acceptance.
- 12.1.6 All documents must meet the standards in the Contractor's Quality Plan in accordance with the Quality Management Plan or as otherwise agreed.

Exit Criteria

- 12.1.7 DSAT compliant Training Analysis has been conducted in accordance with the agreed TSRP.
- 12.1.8 Comment sheets and records of amendment are up to date.
- 12.1.9 The following TNA products, consistent to a common date, have been accepted by the Training Steering Group, chaired by the Training DLOD:
 - a. Role Review Scoping Report;
 - b. Role Scalars using Role Analysis;
 - c. Training Gap Analysis Report;
 - d. Training Options Analysis Report;
 - e. Early Training Analysis Report;
 - f. Role Performance Statements;
 - g. Formal Training Statements.

12.2 Training Design

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12.2.1 On conclusion of Training Analysis acceptance by the Authority, progressive acceptance of Course Training Packages (CTP) against the ILS SOW will take place as described in the agreed VVRM, Training Skills Review Plan (TSRP) and associated plans.

Entry Criteria

12.2.2 All TNA products have been accepted.

Substance of the Event

12.2.3 Internal quality assurance of all CTP elements has been conducted by the Contractor.

12.2.4 Drafts of each CTP element shall be delivered to the Authority no less than 25 business days prior to the scheduled Contractor in the VVRM. The Authority will review and provide any comments to the Contractor within 10 business days from receipt. The final versions to be delivered to the Authority within 15 business days of receipt of Authority comments.

12.2.5 The Training Design process is iterative, and all CTP elements shall be updated accordingly to reflect amendments to any single one. Amended CTP elements shall be resubmitted for acceptance.

12.2.6 All documents must meet the standards in the Contractor's Quality Plan in accordance with the Quality Management Plan or as otherwise agreed.

Exit Criteria

12.2.7 All training material has been assured as fit-for-purpose

12.2.8 DSAT compliant Training Design has been conducted in accordance with the agreed TSRP.

12.2.9 Comment sheets and records of amendment are up to date.

12.2.10 The following CTP elements, consistent to a common date, have been accepted for all roles:

- a. Knowledge Skills and Attitude Report.
- b. Course Directives.
- c. Learning Specifications.
- d. Block Syllabi.
- e. Assessment Documentation, including:

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- f. Assessment Strategies.
- g. Assessment Specifications.
- h. Student Summative Assessment Records.
- i. Amendment Records.
- j. Methods and Media Selection Report.

12.3 Initial Training Date (RFTD1)

12.3.1 RFTD1 confirms that the training necessary to conduct UAT has been delivered in accordance with the agreed TSRP, VVRM [Contract Annex C Appendix 2], CTPs and Training Assurance Plan.

Entry Criteria

12.3.2 Training Design has been accepted.

12.3.3 One tailored Trials Course for up to 5 students, enabling the Authority to conduct trials/testing of the System as part of the Live Firing and User Acceptance Testing, has been delivered at the Authority's specified location.

12.3.4 A maintainer course for up to 6 students has been delivered at the Authority's specified location.

12.3.5 Assurance has been completed in accordance with the Training Assurance Plan.

Substance of the Event

12.3.6 The Contractor shall provide evidence that DSAT compliant training has been delivered and assured to meet the agreed TOs in the TNA.

Exit Criteria

12.3.7 The Contractor shall provide a report to the Authority at least 15 business days prior to the proposed RFT date - Trials acceptance. An authorised representative of the Contractor shall sign the report as being a true record, the results taken, and all observations noted.

12.3.8 All actions and observations raised during the training have been concluded and sentenced or a plan to resolve has been agreed between both parties.

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12.4 Steady State Training Date (RFTD2)

12.4.1 RFTD2 confirms that a DSAT training solution for the in-service user and maintainer has been delivered in accordance with the agreed TSRP, VVRM [Contract Annex C Appendix 2], CTPs and Training Assurance Plan.

Entry Criteria

12.4.2 Training Design has been accepted.

12.4.3 Train the Trainer training has been delivered by the Contractor.

12.4.4 Sufficient, competent GBSR L2/L3 maintainers are available to support IOC.

12.4.5 Assurance has been completed in accordance with the Training Assurance Plan.

12.4.6 Training equipment has been accepted.

Substance of the Event

12.4.7 The Contractor shall provide evidence that DSAT compliant training has been delivered and assured to meet the agreed TOs in the TNA.

Exit Criteria

12.4.8 Training can be run by the Authority to enable fielding of GBSR as specified in the Fielding Schedule.