



Future Counter Mobility System (FCMS)

User Requirements Document (Land) XXXX

Issue 1

Director of Capability (XX)
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Preface

Possible Relaxations. The Defence Staff are to be informed if it becomes clear that a reasonable relaxation of any feature of this requirement might lead to major reductions in the cost, complexity or development and production timescale of the equipment. Similarly, if it appears to the industry that characteristics listed in this document require the incorporation of certain impractical features and /or unnecessarily complicated and expensive components and devices, costly manufacturing methods, processes, critical materials or restrictions, they should be brought to the immediate attention of the sponsor.

Defence Exports. The Defence Staff are prepared to look sympathetically at proposals from Industry for changes that might enhance export potential of the equipment, subject always to their operational acceptability. The design of the equipment should take into account, to the maximum extent acceptable to the Ministry of Defence, the possibility that the export market will require lower levels of classification than those inherent in this Requirements Document. To the extent that divergence is likely to arise, the need to incorporate variations for the export markets that will protect the sensitive aspects of the United Kingdom version should be taken into account from the outset.

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Security. Security classifications are shown in Section 1.

Requirement Priority. The requirements in this document have been assigned priorities as follows:

Priority	Definition
M	Mandatory requirements represent legal obligations and must be met.
K	Key requirements may not be traded without re-endorsement by the Approving Authorities.
1	Priority 1 requirements are essential, but subject to technical capability and affordability.
2	Priority 2 requirements are highly desirable, but should not be included if risks cannot be mitigated.
3	Priority 3 requirements are desirable.



1 General Description

1.1 Introduction

1.2 Background

1.3 Single Statement of Need

The User requires a system, or combination of systems, that physically constrains an opposing forces ability to move.

1.4 Required in Service Date

1.5 Operational Context and Threat

1.6 Assumptions and Dependencies

1.7 General Constraints

1.8 Related Doctrine and Scenarios

1.9 Connectivity to Other Projects

1.10 Co-operating Systems

1.11 Identification of the Capability Users



2 Key User Requirements

Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-15	3.1 Counter Mobility Capabilities	HQ EinC					N/A
UR-31	3.1.1 Block Enemy	HQ EinC					N/A
UR-32	The User requires the capability to [block] the passage of [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	The Target Set, defined in Table 1 of the Performance Definitions and Criteria in Section 4.6.1, will be used to determine whether this requirement has been met. Effectiveness on opposing forces: >= 60% attrition or 6 hour delay (Characteristics of Block for vehicles is defined on pg 19 of the metrics report M_1) It is assumed that all arms direct and indirect fire assets will be used together with FCMS to achieve this level of performance.	Limited "one on one" trials and "many on many" analysis	Warning of Need: Immediate (<6hrs); Frontage: 10km; Distance from own troops: +10000m essential, 2000m desirable; target speed 12 kph.	K
UR-36	3.1.2 Fix Enemy	HQ EinC			Limited trials and analysis		N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Piority
UR-37	The User requires the capability to [fix] [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	The Target Set, defined Table 1 of the Performance Definitions and Criteria in Section 4.6.1, will be used to determine whether this requirement has been met. Effectiveness on opposing forces: $\geq 50\%$ attrition or 6 hour delay (Characteristics of fix for vehicles is defined on pg 19 of the metrics report M_1)	Limited trials and analysis	Warning of Need: Immediate; Frontage: 10km; Distance from own troops: +10000m essential, 500-10000m highly desirable, <500m desirable; target speed 25 kph.	K
UR-27	3.1.5 Protect Force	HQ EinC					N/A
UR-133	The User requires the capability to [protect] his own force from [enemy ground vehicles].	HQ EinC	To contribute to the survivability of own forces.	Protect = To reduce the enemy combat effectiveness to below a ratio of 3:1 at 75 metres for personnel and vehicles at 500 metres. Outline NATO Staff Target for anti-vehicle obstacle systems.	Limited trials and analysis, OA, Assessment and Mil judgement	Proof that the Red force ratio relative to the Blue force is below 3:1 at 500 metres for vehicles.	K
UR-51	3.2 FCMS Constraints	HQ EinC					N/A
UR-68	3.2.1 Operating Environments	HQ EinC					N/A
UR-270	3.2.1.1 Operating Climatic Conditions	HQ EinC					N/A
UR-222	The User requires that the deployed FCMS shall be capable of [operation] in climatic category A2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K



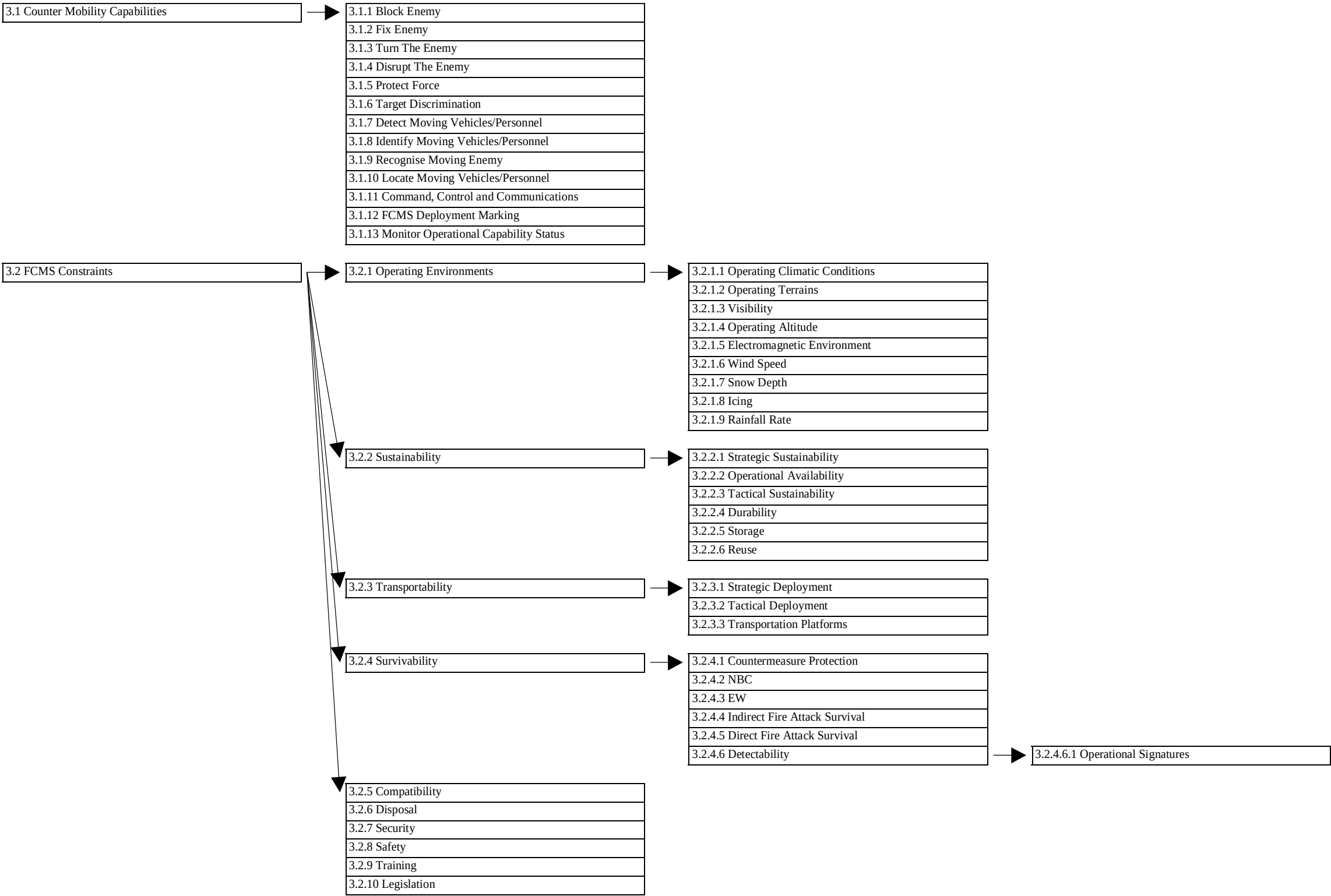
Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Piority
UR-223	The User requires that the deployed FCMS shall be capable of [operation] in climatic category A3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-224	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-225	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-226	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-227	The User requires that the deployed FCMS shall be capable of [operation] in climatic category C0, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-228	The User requires that the deployed FCMS shall be capable of [operation] in climatic category C1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-130	3.2.2 Sustainability	HQ EinC					N/A
UR-89	3.2.2.1 Strategic Sustainability	HQ EinC					N/A
UR-90	The User shall be able to [sustain] the FCMS capability wherever it is deployed.	HQ EinC	To ensure the capability meets the stated Operational Availability wherever it is deployed.		Progressive Assurance which may include: LD, ISM, ISR, DRACAS		K
UR-94	3.2.2.2 Operational Availability	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-62	The User requires the [Operational Availability] of the FCMS to be better than <95%> across a given BFM.	HQ EinC	Requirement to support high tempo operations both day and night	Warfighting BFMs will be conducted inside a 44 day period to account for 14 days of warfighting and 30 days of mopping up operations.	Assessment		K
UR-80	3.2.4 Survivability	HQ EinC					N/A
UR-83	3.2.4.2 NBC	HQ EinC					N/A
UR-234	The User requires that the FCMS capability shall be capable of [operation] in an [NBC environment].	HQ EinC	To be able to operate in full spectrum of potential threat environments.	See NBC Codicil.	User Trials, Technical Assessment		K



3 User Requirements





Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-15	3.1 Counter Mobility Capabilities	HQ EinC					N/A
UR-31	3.1.1 Block Enemy	HQ EinC					N/A
UR-32	The User requires the capability to [block] the passage of [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	The Target Set, defined in Table 1 of the Performance Definitions and Criteria in Section 4.6.1, will be used to determine whether this requirement has been met. Effectiveness on opposing forces: $\geq 60\%$ attrition or 6 hour delay (Characteristics of Block for vehicles is defined on pg 19 of the metrics report M_1) It is assumed that all arms direct and indirect fire assets will be used together with FCMS to achieve this level of performance.	Limited "one on one" trials and "many on many" analysis	Warning of Need: Immediate (<6hrs); Frontage: 10km; Distance from own troops: +10000m essential, 2000m desirable; target speed 12 kph.	K
UR-33	The User requires the capability to [block] the passage of [enemy dismounted forces].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	Effectiveness on opposing forces: $\geq 60\%$ attrition or 6 hour delay (Characteristics of Block for personnel is defined on pg 19 of the metrics report M_1)	Limited trials and analysis		2
UR-36	3.1.2 Fix Enemy	HQ EinC			Limited trials and analysis		N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-37	The User requires the capability to [fix] [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	The Target Set, defined Table 1 of the Performance Definitions and Criteria in Section 4.6.1, will be used to determine whether this requirement has been met. Effectiveness on opposing forces: $\geq 50\%$ attrition or 6 hour delay (Characteristics of fix for vehicles is defined on pg 19 of the metrics report M_1)	Limited trials and analysis	Warning of Need: Immediate; Frontage: 10km; Distance from own troops: +10000m essential, 500-10000m highly desirable, <500m desirable; target speed 25 kph.	K
UR-38	The User requires the capability to [fix] [dismounted forces].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	Effectiveness on opposing forces: $\geq 50\%$ attrition or 6 hour delay (Characteristics of fix for personnel is defined on pg 19 of the metrics report M_1)			2
UR-39	3.1.3 Turn The Enemy	HQ EinC		Characteristics of turn for personnel is defined on pg 19 of the metrics report M_1			N/A
UR-40	The User requires the capability to [turn] [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.			(If the block capability is met then this requirement is met.)	1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-41	The User requires the capability to [turn] [enemy dismounted forces].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.				2
UR-42	3.1.4 Disrupt The Enemy	HQ EinC					N/A
UR-43	The User requires the capability to [disrupt] [enemy ground vehicles].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	The Target Set, defined in Table 1 of the Performance Definitions and Criteria in Section 4.6.1, will be used to determine whether this requirement has been met. Effectiveness on opposing forces: $\geq 25\%$ attrition or 3 hour delay (Characteristics of disrupt defined on pg 19 of the metrics report M_1)		Warning of Need: Immediate (<1hr); Frontage: 4x1km; Distance from own troops: 500-10000m essential, <500m desirable; target speed 40kph. Note: If the block capability is met then this requirement is met.	1
UR-132	The User requires the capability to [disrupt] [enemy dismounted forces].	HQ EinC	To meet the military need identified in the AFM Vol 1 Combined Arms Operations Part 1 Formation Tactics and AFM Vol 1 Combined Arms Operations Part 2 Battlegroup Tactics.	Effectiveness on opposing forces: $\geq 25\%$ attrition or 3 hour delay (Characteristics of disrupt defined on pg 19 of the metrics report M_1)		If the block capability is met then this requirement is met.	2
UR-27	3.1.5 Protect Force	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-28	The User requires the capability to [protect] his own force from dismounted enemy personnel.	HQ EinC	To contribute to the survivability of own forces.	Protect = To reduce the enemy combat effectiveness to below a ratio of 3:1 at 75 metres for personnel and vehicles at 500 metres. Outline NATO Staff Target for anti-personnel obstacle systems.	Limited trials and analysis, OA, Assessment and Mil judgement	Proof that the Red force ratio relative to the Blue force is below 3:1 at 75 metres for personnel.	2
UR-133	The User requires the capability to [protect] his own force from [enemy ground vehicles].	HQ EinC	To contribute to the survivability of own forces.	Protect = To reduce the enemy combat effectiveness to below a ratio of 3:1 at 75 metres for personnel and vehicles at 500 metres. Outline NATO Staff Target for anti-vehicle obstacle systems.	Limited trials and analysis, OA, Assessment and Mil judgement	Proof that the Red force ratio relative to the Blue force is below 3:1 at 500 metres for vehicles.	K
UR-44	3.1.6 Target Discrimination	HQ EinC					N/A
UR-46	The User requires that the FCMS capability shall not [engage] [non-legitimate targets].	HQ EinC	National, international humanitarian law	The discrimination might be achieved by military use and application of doctrine.	Demonstration		1
UR-16	3.1.7 Detect Moving Vehicles/Personnel	HQ EinC					N/A
UR-17	The User requires the capability to [detect] [moving ground vehicles].	HQ EinC	In order to contribute to situational awareness to the commander.				2
UR-18	The User requires the capability to [detect] moving [dismounted forces].	HQ EinC	In order to contribute to situational awareness to the commander.				2
UR-19	The User requires the capability to [report] the presence of [moving ground vehicles] to [higher echelons].	HQ EinC	In order to contribute to situational awareness to the commander.				2



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-159	The User requires the capability to [report] the presence of moving [dismounted forces] to [higher echelons].	HQ EinC	In order to contribute to situational awareness to the commander.				2
UR-145	3.1.8 Identify Moving Vehicles/Personnel	HQ EinC					N/A
UR-146	The User requires the capability to [identify] [moving ground vehicles].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-147	The User requires the capability to [identify] moving [dismounted forces].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-148	The User requires the capability to [report] the identification of [moving ground vehicles] to [higher echelons].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-158	The User requires the capability to [report] the identification of moving [dismounted forces] to [higher echelons].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-149	3.1.9 Recognise Moving Enemy	HQ EinC					N/A
UR-150	The User requires the capability to [recognise] moving [enemy ground vehicles].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-151	The User requires the capability to [recognise] moving [enemy dismounted forces].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-152	The User requires the capability to [report] the recognised [enemy ground vehicles] to [higher echelons].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-160	The User requires the capability to [report] the recognised [enemy dismounted forces] to [higher echelons].	HQ EinC	In order to contribute to situational awareness and provide discrimination of target types to the commander.				2
UR-153	3.1.10 Locate Moving Vehicles/Personnel	HQ EinC					N/A
UR-154	The User requires the capability to [locate] [moving ground vehicles].	HQ EinC	To enable target acquisition by systems external to FCMS.				2
UR-155	The User requires the capability to [locate] [moving dismounted forces].	HQ EinC	To enable target acquisition by systems external to FCMS.				2
UR-156	The User requires the capability to [report] the location of [moving ground vehicles] to [higher echelons].	HQ EinC	To enable target acquisition by systems external to FCMS.				2
UR-157	The User requires the capability to [report] the location of [moving dismounted forces] to [higher echelons].	HQ EinC	To enable target acquisition by systems external to FCMS.				2
UR-47	3.1.11 Command, Control and Communications	HQ EinC					N/A
UR-48	The User requires the capability to command/control FCMS.	HQ EinC	Maintain own tempo and comply with legislation		Trials and demonstration		1
UR-140	The User requires the capability to allow the safe passage of personnel and/or vehicles through the [area of authority] of the FCMS after a pre-determined time set at deployment.	HQ EinC	To ensure own force freedom of manoeuvres.	The pre-determined time set at deployment should be variable. Laid life of a mine solution is an example of this.			2



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-135	The User requires the capability to allow or deny the safe passage of personnel and/or vehicles through the [area of authority] of the FCMS from a location outside the [area of authority] after deployment.	HQ EinC	To enable the commander to control the obstacle.	Remote control.			2
UR-138	The User requires the capability to select the [target set] prior to deployment.	HQ EinC	To enable the commander to determine which targets will be effected. To provide for the discrimination of targets.				2
UR-139	The User requires the capability to select the [target set] from a location outside the [area of authority] of the deployed FCMS after deployment.	HQ EinC	To enable the commander to modify which targets will be effected.	Remote control of discrimination.			2
UR-49	3.1.12 FCMS Deployment Marking	HQ EinC					N/A
UR-50	The User requires the capability to [physically mark] where FCMS is deployed.	HQ EinC	To identify areas of danger. To warn of the presence of a danger area.				1
UR-259	The User requires the capability to [record] where FCMS is deployed.	HQ EinC	To notify areas of danger. To warn of the presence of a danger area.	This should be done automatically by FCMS. The required accuracy of the recording will be dependent on the solution to be used.			M
UR-260	The User requires the capability to [report] where FCMS is deployed.	HQ EinC	To notify areas of danger. To warn of the presence of a danger area.	The information should be transmitted using Bowman equipment & MAKEFAST BISA.			1
UR-25	3.1.13 Monitor Operational Capability Status	HQ EinC					N/A
UR-26	The User requires the capability to assess the operational capability of the deployed FCMS from a location outside the [area of authority].	HQ EinC	To inform of any reduction or loss of capability.				2
UR-51	3.2 FCMS Constraints	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-68	3.2.1 Operating Environments	HQ EinC					N/A
UR-270	3.2.1.1 Operating Climatic Conditions	HQ EinC					N/A
UR-69	The User requires that the deployed FCMS shall be capable of [operation] in all weather conditions.	HQ EinC	To enable operations world-wide.		Assessment		1
UR-221	The User requires that the deployed FCMS shall be capable of [operation] in climatic category A1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Progressive Assurance & Technical Evaluation Trials.		1
UR-222	The User requires that the deployed FCMS shall be capable of [operation] in climatic category A2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-223	The User requires that the deployed FCMS shall be capable of [operation] in climatic category A3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-224	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-225	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-226	The User requires that the deployed FCMS shall be capable of [operation] in climatic category B3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-227	The User requires that the deployed FCMS shall be capable of [operation] in climatic category C0, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K
UR-228	The User requires that the deployed FCMS shall be capable of [operation] in climatic category C1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.		Design proving tests and limited user trials.	Tests as defined in DEF STAN 00-35.	K



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-229	The User requires that the deployed FCMS shall be capable of [operation] in climatic category C2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.				1
UR-230	The User requires that the deployed FCMS shall be capable of [operation] in climatic category M1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.				1
UR-231	The User requires that the deployed FCMS shall be capable of [operation] in climatic category M2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To enable operations world-wide.				1
UR-271	3.2.1.2 Operating Terrains	HQ EinC					N/A
UR-76	The FCMS shall be capable of [operation] in all terrain, vegetation and degrees of urbanisation.	HQ EinC	To enable operations world-wide.				1
UR-302	The FCMS shall be capable of [operation] on terrain slopes of at least 15 degrees.	HQ EinC	To enable operations world-wide.				1
UR-272	3.2.1.3 Visibility	HQ EinC					N/A
UR-71	The User requires that the FCMS shall be capable of [operation] through the effects of battlefield obscuration, including [multi-spectral smoke].	HQ EinC	To maintain the system performance in the operational environment.		Trials and assessment		1
UR-281	The User requires that the FCMS shall be capable of [operation] throughout all [natural light levels].	HQ EinC	To maintain the system performance in the operational environment.				1
UR-273	3.2.1.4 Operating Altitude	HQ EinC					N/A
UR-72	The User requires that the FCMS shall be capable of [operation] at altitudes up to 1000m with no reduction in performance.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-291	3.2.1.5 Electromagnetic Environment	HQ EinC					N/A
UR-292	The User requires that the FCMS shall [operate] without degradation in a battlefield environment.	HQ EinC	To maintain the system performance in the operational environment.	Def Stan 59-41 applies			1
UR-294	3.2.1.6 Wind Speed	HQ EinC					N/A
UR-303	The User requires that the FCMS shall be capable of [operation] in wind speeds of at least 20m/s.	HQ EinC	To maintain the system performance in the operational environment.				1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-295	3.2.1.7 Snow Depth	HQ EinC					N/A
UR-304	The User requires that the FCMS shall be capable of [operation] in snow depths of at least 0.6m.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-296	3.2.1.8 Icing	HQ EinC					N/A
UR-305	The User requires that the FCMS shall be capable of [operation] in icing conditions of at least 2.54mm.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-297	3.2.1.9 Rainfall Rate	HQ EinC					N/A
UR-306	The User requires that the FCMS shall be capable of [operation] in rainfall rates of at least 120mm/hour.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-130	3.2.2 Sustainability	HQ EinC					N/A
UR-89	3.2.2.1 Strategic Sustainability	HQ EinC					N/A
UR-90	The User shall be able to [sustain] the FCMS capability wherever it is deployed.	HQ EinC	To ensure the capability meets the stated Operational Availability wherever it is deployed.		Progressive Assurance which may include: LD, ISM, ISRD, DRACAS		K
UR-166	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category A1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	(Military capability is exercised through 4 basic functions, one of which is sustainability. Sustainability is availability over time.) To ensure the capability meets the stated Operational Availability wherever it is deployed.		Progressive Assurance & Technical Evaluation Trials.		1
UR-167	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category A2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-168	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category A3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-169	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category B1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-170	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category B2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-171	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category B3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-172	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category C0, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-173	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category C1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				1
UR-174	The User shall be able to [sustain] the FCMS for at least 6 months in climatic category C2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.				2
UR-177	The User shall be able to [sustain] the FCMS [concurrently] for up to <6 months> on up to <3> [deployed operations].	HQ EinC	In order to meet iDPAs.		Progressive Assurance.		1
UR-92	The User shall be able to [sustain] the FCMS capability for all relevant [scales of deployment].	HQ EinC	To ensure that the support for FCMS matches the deployment scales of forces it is issued to.		Progressive Assurance which may include: LD, ISM, DRACAS		1
UR-93	The User shall be able to [sustain] the FCMS capability for all relevant [readiness states].	HQ EinC	To ensure that the support for FCMS matches the readiness states of forces it is issued to.		Progressive Assurance which may include: LD, ISM, DRACAS		1
UR-94	3.2.2.2 Operational Availability	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-95	The User shall be provided with a FCMS capability with an [Operational Availability] of not less than X% over <X> BFM's in days/hrs.	DEC (GM)	To provide a capability/system which can provide the required operational capability	During this period there will be varying periods of intensity. To cater for this an illustration of what the capability must attain as a minimum should be illustrated to give the user and the contractor an understanding of what the demands could be.			1
UR-96	The User will be provided with a FCMS capability with an [Operational Availability] of not less than <97.7>% over 11 warfighting BFM's in 14 days.	HQ EinC	To ensure that the user is provided with a capability that can meet the minimum operational availability over the required intensity of BFM's.	7 x warfighting BFM's will be conducted consecutively at the start of the period followed by two periods of 2 consecutive BFM's with a maximum of 24 hours between periods.			1
UR-62	The User requires the [Operational Availability] of the FCMS to be better than <95%> across a given BFM.	HQ EinC	Requirement to support high tempo operations both day and night	Warfighting BFM's will be conducted inside a 44 day period to account for 14 days of warfighting and 30 days of mopping up operations.	Assessment		K



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-99	The User will be provided with a FCMS capability with an [Operational Availability] of not less than <X>% over <X> BFM within a 180 day deployment.	HQ EinC	To maintain operational availability and current resource levels	Two types of BFM will be conducted: Warfighting (war) and Other Operations (OO). Warfighting BFM will be conducted inside a 44 day period to account for 14 days of warfighting and 30 days of mopping up operations. The breakdown of the 44 days is as follows: 1. 14 x BFM (War) undertaken consecutively at the beginning of the 44 day period. 2. These BFM will be followed immediately by 3 x periods of 5 x BFM (war) undertaken consecutively with a maximum of 24 hrs between periods.	User Trials		1
UR-100	3.2.2.3 Tactical Sustainability	HQ EinC					N/A
UR-102	The User shall be provided with a FCMS capability (system), which can [operate] for <X> BFM(s)/Phase(s) without replenishment/external support.	HQ EinC	To ensure the User is provided with a capability that is sustainable for at least the initial planned OSD.		R&M Case, LD, ISM, DRACAS.		1
UR-103	3.2.2.4 Durability	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-104	The User shall be able to [sustain] the FCMS capability with an annual BFM usage of <X> for a period of at least <30> years.	HQ EinC	To ensure a counter-mobility capability can be provided in a cost effective manner for a period <30 > years in accordance with the Capability Audit Plan (CAP).	The remarks could stipulate that the user shall be provided with a capability/system that does not require a change of power source for a specific period. Each project will have to be examined on merit.			1
UR-246	3.2.2.5 Storage	HQ EinC					N/A
UR-247	The User requires that the FCMS capability be compliant with standards for UK storage.	HQ EinC	To ensure cost-effective and safe storage of the system.				1
UR-248	The User requires that the FCMS capability is able to be stored on [deployed operations] in all climatic categories for up to <6> months.	HQ EinC	To ensure that the system remains available on deployed operations.				1
UR-131	3.2.2.6 Reuse	HQ EinC					N/A
UR-34	The User requires the capability to [recover] unused systems deployed to [block].	HQ EinC	To minimise through life cost, logistic drag and remove any explosive remnants of war.	Includes remnants of war. Recover to 3rd line maintenance.	Trials and demonstration		2
UR-35	The User requires the capability to [reuse] recovered unused systems [deployed] to [block].	HQ EinC	To minimise through life cost, logistic drag and maximise operational flexibility.				2
UR-179	3.2.3 Transportability	HQ EinC					N/A
UR-252	3.2.3.1 Strategic Deployment	HQ EinC					N/A
UR-181	The User shall be able to [deploy] the FCMS capability to climatic category A1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-182	The User requires that the FCMS shall be able to be [deployed] in climate category A2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-183	The User requires that the FCMS shall be able to be [deployed] in climatic category A3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-184	The User requires that the FCMS shall be able to be [deployed] in climatic category B1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-185	The User requires that the FCMS shall be able to be [deployed] in climatic category B2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-186	The User requires that the FCMS shall be able to be [deployed] in climatic category B3, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-187	The User requires that the FCMS shall be able to be [deployed] in climatic category C0, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-188	The User requires that the FCMS shall be able to be [deployed] in climatic category C1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-189	The User requires that the FCMS shall be able to be [deployed] in climatic category C2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-190	The User requires that the FCMS shall be able to be [deployed] in climatic category M1, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-191	The User requires that the FCMS shall be able to be [deployed] in climatic category M2, as defined in DEF STAN 00-35 (Part 4)/3 Chapter 1-01.	HQ EinC	To maintain operational capability in all theatres of deployment.		Progressive Assurance & Technical Evaluation Trials.		1
UR-253	3.2.3.2 Tactical Deployment	HQ EinC					N/A
UR-254	The User requires that the system can be [employed] within <4> hours at a range of <0> kms from own troops.	HQ EinC	To ensure mission success by achieving the required delay or attrition whilst sustaining less than 40% own casualties.	Milestone 4 & 5 reports.			1
UR-255	The User requires that the system can be [employed] within <30> minutes at a range of <0-500> metres from own troops.	HQ EinC	To ensure mission success by achieving the required delay or attrition whilst sustaining less than 40% own casualties.	Milestone 4 & 5 reports.			1
UR-256	The User requires that the system can be [employed] within <10> minutes at a range of <0.5-10> kms from own troops.	HQ EinC	To ensure mission success by achieving the required delay or attrition whilst sustaining less than 40% own casualties.	Milestone 4 & 5 reports.			1
UR-257	The User requires that the system can be [employed] within <10> minutes at a range of <10-30> kms from own troops.	HQ EinC	To ensure mission success by achieving the required delay or attrition whilst sustaining less than 40% own casualties.	Milestone 4 & 5 reports.			1
UR-192	3.2.3.3 Transportation Platforms	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-193	The User requires that the FCMS capability is [transportable] via road.	HQ EinC	To ensure flexibility of transportation to support operations worldwide.				1
UR-194	The User requires that the FCMS capability is [transportable] via rail.	HQ EinC	To ensure flexibility of transportation to support operations worldwide.				1
UR-195	The User requires that the FCMS capability is [transportable] via sea.	HQ EinC	To ensure flexibility of transportation to support operations worldwide.				1
UR-196	The User requires that the FCMS capability is [transportable] via air.	HQ EinC	To ensure flexibility of transportation to support operations worldwide.				1
UR-80	3.2.4 Survivability	HQ EinC					N/A
UR-65	3.2.4.1 Countermeasure Protection	HQ EinC					N/A
UR-66	The User requires the FCMS shall be [resistant] enemy countermeasures.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-83	3.2.4.2 NBC	HQ EinC					N/A
UR-234	The User requires that the FCMS capability shall be capable of [operation] in an [NBC environment].	HQ EinC	To be able to operate in full spectrum of potential threat environments.	See NBC Codicil.	User Trials, Technical Assessment		K
UR-84	3.2.4.3 EW	HQ EinC					N/A
UR-236	The User requires that the FCMS capability shall be capable of [operation] in a [hostile EW environment].	HQ EinC	To be able to operate in full spectrum of potential threat environments and avoid system degradation/failure through hostile electronic acts.		Technical Assessment		1
UR-82	3.2.4.4 Indirect Fire Attack Survival	HQ EinC					N/A
UR-284	The User requires that the FCMS capability shall be capable of [operation] without significant degradation after a [sustained] artillery bombardment.	HQ EinC	To maintain the system performance in the operational environment.	It is not expected that the equipment will survive a direct hit.			1
UR-81	3.2.4.5 Direct Fire Attack Survival	HQ EinC					N/A



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-285	The User requires that the FCMS capability shall be capable of [operation] without significant degradation after a bullet, fragment or spall attack.	HQ EinC	To maintain the system performance in the operational environment.				1
UR-64	3.2.4.6 Detectability	HQ EinC					N/A
UR-239	3.2.4.6.1 Operational Signatures	HQ EinC					N/A
UR-240	The User requires that the [Thermal detection ranges] of the deployed FCMS capability are as defined in [DEFSTAN 08-6 (Pt 4)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.		Technical Assessment		1
UR-241	The User requires that the [IR detection ranges] of the deployed FCMS capability are as defined in [DEFSTAN 08-6 (Pt 4)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.		Technical Assessment		1
UR-244	The User requires that the [NIR detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (Pt 3)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.				1
UR-242	The User requires that the [Acoustic detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (Pt 2)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.				1
UR-243	The User requires that the [Visual detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (Pt 3)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.				1
UR-245	The User requires that the [Radar detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (pt 5)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.				1
UR-286	The User requires that the [Magnetic detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (pt 5)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.	Check that the def stan covers this.			1
UR-287	The User requires that the [Seismic detection ranges] of the FCMS capability are as defined in [DEFSTAN 08-6 (pt 5)].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.	Check that the def stan covers this.			1



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-289	The User requires that the [electromagnetic emissions] of the FCMS capability are as defined in [Def Stan 59-41].	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.	Check that the def stan covers this. class TBD.			1
UR-249	3.2.5 Compatibility	HQ EinC					N/A
UR-250	The User requires that the FCMS capability shall be compatible with [In-Service] and [relevant programmes].	HQ EinC	Operational and support				1
UR-293	The User requires that the FCMS is electromagnetically compatible with all co-located systems/equipments.	HQ EinC	To ensure that FCMS does not affect the operational capability of other co-located systems.				1
UR-105	3.2.6 Disposal	DG ES(L)			Technical Trial, Theoretical Study.		N/A
UR-106	The User shall be provided with a capability, which can be disposed of at the end of its in-service life.	DG ES(L)	To ensure that the system can be disposed of at the minimum cost within the law.				1
UR-86	3.2.7 Security	HQ EinC					N/A
UR-288	The User requires that [protectively marked data] are adequately protected.	HQ EinC	To enhance OPSEC and survivability by not compromising intentions, locations and activities.	identify security standards. INFOSEC study will inform.			M
UR-116	3.2.8 Safety	DEC (GM)			Progressive assurance & technical evaluation trials		N/A
UR-117	The User requires that the capability shall be safe and suitable for service.	DEC (GM)	To minimise the risk to life.	In accordance with DOSG guidelines			M



Object Identifier	User Requirements Document	Owner	Justification	Remarks	Verification Method	Verification Criteria	Priority
UR-107	3.2.9 Training	DG ES(L)			TNA & Progressive Assurance & Technical Evaluation Trials		N/A
UR-112	The User requires that the capability training solution should maximise the use of extant training facilities, equipment and infrastructure.	DG ES(L)	To enable the operational equipment to be used in training mode when not operationally deployed	Includes data for user & operator manuals	User Trials		1
UR-113	The User shall be able to input, store and retrieve data from FCMS.	DG ES(L)	To embedded training.				2
UR-282	The User requires the [minimum training burden] to be imposed by FCMS.	DG ES(L)	To minimise the time and cost spend undertaking training				1
UR-283	The User requires that FCMS can participate in all current & planned collective training.	DG ES(L)	In order to train with the equipment in all likely operational scenarios.				1
UR-87	3.2.10 Legislation	DEC (GM)					N/A
UR-88	The User requires that the FCMS capability comply with the UK's national and international legal and treaty obligations.	DEC (GM)	To comply with national and international treaty obligations.		Trials and assessment, legal review		M



4 Context Documents

4.1 Doctrine

4.2 Missions

4.3 Concept of Employment

4.4 Use Study

4.5 Numbers Study

4.6 Supporting Studies

4.6.1 Performance Definitions and Criteria



5 Index and Glossary

5.1 Name Terms

Glossary and Abbreviations	Term Definition	Definition Source
Acoustic Detection Ranges	The range at which a valid target can be detected by an acoustic sensor	DEFSTAN 08-06
Area of Authority	The geographical area associated with a combatant command within which a combatant commander has authority to plan and conduct operations.	SOHB - Operational Terminology
Concurrently	Taking place at the same time or in the same location	Collins English Dictionary
Deployed Operations	180 day (6 month) warfighting comprising: 14 day movement to theatre, 21 day training in theatre, 14 days warfighting at intense rates, 16 days warfighting at lower intensity conflict and 115 days steady state.	Guidance in Preparation of Land Sustainability User Requirements - DGES(Land)Tech2/2/9
Dismounted Forces	Forces on Foot	Proposed
Electromagnetic Emissions	Emissions over certain wavelengths within the electromagnetic spectrum that can be exploited by the enemy, or that could cause danger to friendly forces.	Proposed
Enemy Dismounted Forces	Enemy Forces on foot	Proposed
Enemy Ground Vehicles	Any ground based vehicle within the target set controlled by the enemy. The Target Set is defined in the Table 2 of the Performance Definitions and Criteria contained in Section 4 of the URD..	Proposed
Higher Echelons	A separate level of command i.e as compared to a Regiment, a Division is a higher echelon whilst a Squadron is a lower echelon	SOHB
Hostile EW Environment	Electronic Warfare: Military action to exploit the electromagnetic spectrum encompassing: the search for, interception and identification of electromagnetic emissions, the employment of electromagnetic energy, including directed energy, to reduce or prevent hostile use of the electromagnetic spectrum, and actions to ensure its effective use by friendly forces.	AAP-6 (V) modified version 0
In-Service	The length of time that an item of equipment must provide effective support to the front line.	AMS Version 8.0
IR Detection Ranges	The range at which a valid target can be detected by a sensor operating within the mid and far infra-red regions of the electromagnetic spectrum.	DEFSTAN 08-06
Magnetic Detection Ranges	The range at which a valid target can be detected by a magnetic field sensor	DEFSTAN 08-06
Minimum Training Burden	Training that has a minimum impact on the field army and its equipment.	Proposed
Moving Dismounted Forces	Moving Forces on Foot	Proposed
Multi-Spectral Smoke	A specifically formulated type of smoke or battlefield obscurant which degrades or blocks the transmission of light and other forms of imaging energy. It is effective at blocking observation with the unaided eye, thermal energy, radar telemetry, and so forth.	Battle Command Training Centre Glossary of Terms
Natural Light Levels	Levels of light produced by the sun, stars and moon.	Proposed



Glossary and Abbreviations	Term Definition	Definition Source
NIR Detection Ranges	The range at which a valid target can be detected by a sensor within the near infra-red region of the electromagnetic spectrum.	DEFSTAN 08-06
Non-Legitimate Targets	Targets which are not included within the defined target set	Section 4.6.1 URD Performance Definitions and Criteria
Operational Availability	The ratio of available operating time against total operating time.	Proposed
Protectively Marked Data	Data that has a security classification with it, thereby requiring special handling and disposal.	JSP 440
Protectively Marked Items	Items that have a security classification associated with them, thereby requiring special handling and disposal.	JSP 440
Radar Detection Ranges	The range at which a valid target can be detected by a radar	DEFSTAN 08-06
Readiness States	Time that a force is given to be ready for deployment on operations i.e R1, R3, R8 etc	SOHB - Operational Terminology
Relevant Programmes	Programmes that will impact upon, or require input from FCMS	Proposed
Resistant	Withstand action or effect of	Collins English Dictionary
Scales of Deployment	The size of a deployment in terms of resources required or allocated. It may be categorised as large, medium or small, viewed in the context of NATO as a whole.	Derived from AAP-6 (V) modified version 0
Seismic Detection Ranges	The range at which a valid target can be detected by a seismic sensor	DEFSTAN 08-06
Thermal Detection Ranges	The range at which a valid target can be detected by a thermal sensor	DEFSTAN 08-06
Visual Detection Ranges	The range at which a valid target can be detected by a sensor within the visual band of the electromagnetic spectrum.	DEFSTAN 08-06



5.2 Action Terms

Glossary and Abbreviations	Term Definition	Definition Source
Block	Deny enemy access to a given area or to prevent advance in a given area.	SOHB - Operational Terminology
Deploy	Bring into effective action	Collins English Dictionary
Deployed	Deployment encompasses all activities in movement of a capability and its operation to theatre (nationally or internationally), movement between theatres and movement within theatre. 1. In naval usage, the change from a cruising approach or contact disposition to a disposition for battle. 2. The movement of forces within operational areas. 3. The positioning of forces into a formation for battle. 4. The relocation of forces and material to desired operational areas.	SOHB - Operational Terminology AAP-6 (V) modified version 0
Deployed Operations	Operation on which a force is deployed	SOHB - Operational Terminology
Detect	To discover by any means the presence of a person, object or phenomenon of potential military significance	AAP-6 (V)
Disrupt	Break apart an enemy formation and its tempo; to rupture the integrity of an enemy's capability.	SOHB - Operational Terminology
Fix	To deny the enemy his goals, to distract him and thus deprive him of freedom of action in order to gain own forces freedom of action.	SOHB - Operational Terminology
Employed	Use to good effect	Collins English Dictionary
Engage	A fire control order used to direct or authorise units and/or weapons systems to fire on a designated target.	AAP-6 (V) modified version
Identify	The indication by any act or means of one's own friendly character or individuality.	AAP-6 (V) modified version 0
Locate	Determine the position of the enemy	Proposed
Operate	The ability of a deployed force to conduct operations	SOHB - Operational Terminology
Operation	The movement of combat forces and their logistic support into an area of authority	AAP-6
Physically Mark	Identify the location of an object by physical means i.e fence, flag, electronic tag	Proposed
Protect	Defend or keep safe	Collins English Dictionary
Recognise	The determination by any means of the individuality of persons, or of objects.	Collins English Dictionary
Recover	Regain possession or use or control of	Collins English Dictionary
Re-use	To be able to use again in the functionality intended	Proposed
Report	The act of or ability to accept information sent via any means.	Proposed
Sustain	The ability of a force to maintain the necessary level of combat power for the duration required to achieve its objectives.	AAP-6 (V) modified version 0
Sustained	The ability of a force to maintain the necessary level of combat power for the duration required to achieve its objectives.	AAP-6 (V) modified version 0
Transportable	Can be moved by the required mode of transport safely	Proposed
Turn	Diverts enemy towards ground (eg: Killing Area).	SOHB - Operational Terminology



5.3 References

Glossary and Abbreviations	Term Definition	Definition Source
Moving Ground Vehicles	Vehicles that have the ability to move across any hard surface at varying speeds	Proposed
NBC Environment	An environment that exposes equipment and individuals to nuclear, biological and chemical threats	Proposed
Record	Set down for remembrance or reference.	Collins English Dictionary
Target Set	Valid targets that could be engaged by FCMS if required.	Proposed



5.4 Standards

Glossary and Abbreviations	Term Definition	Definition Source
DEFSTAN 00-3 Iss 3	Design Guidance for the Transportability of Equipment	http://www.dstan.dii.r.mil.uk/
DEFSTAN 00-35 Pt 4 Iss 3 Amend 1	Environmental Handbook for Defence Material Part 4: Natural Environments	http://www.dstan.dii.r.mil.uk/
DEFSTAN 08-6 (Pt 2) Iss 1	Countersurveillance Requirements Part 2: Acoustic Aspects	http://www.dstan.dii.r.mil.uk/
DEFSTAN 08-6 (Pt 3)	Countersurveillance Requirements Part 3: Visual and Near Infra Red Aspects	http://www.dstan.dii.r.mil.uk/
DEFSTAN 08-6 (Pt 4)	Countersurveillance Requirements Part 4: Thermal and Intermediate Infra red Aspects	http://www.dstan.dii.r.mil.uk/
DEFSTAN 08-6 (pt 5)	Countersurveillance Requirements Part 5: Radar Aspects	http://www.dstan.dii.r.mil.uk/
DEFSTAN 59-41	Electromagnetic Compatibility	http://www.dstan.dii.r.mil.uk/
STANAG 2832 Ed 3 Amend 1	Dimensional Restrictions for the Transport of Military Equipment by Rail on European Railways	http://www.nato.int/



5.5 Abbreviations

Glossary and Abbreviations	Term Definition
AFM	Army Field Manual
BFM	Battlefield Mission
BISA	Battlefield Information System Applications
CAP	Capability Audit Plan
DEC	Director of Equipment
FCMS	Future Counter Mobility System
GM	Ground Mobility
HQ EinC	HeadQuarters Engineering in Combat
ISRD	In Service Reliability Demonstration
DRACAS	Defect Report And Corrective Action System