CONTRACT DELIVERABLES AND TECHNICAL DATA REQUIREMENTS Appendix 1 to ANNEX B

Ser	Document description	Document type	Suggested document title	Mandatory/ Preferable/ Optional	DefStan/STANAG Reference	MOD document number required?	Document Number Format	Remarks
General								
1	Technical Description	Technical Description	Cartridge Blank 0.338in CTN L??//?	M	Def Stan 07-085 Def Stan 13-099	Yes		This will be the full agreed In-service Designation: Cartridge Model number, ADAC Number and NSN Cartridge 0.338 Carton L??A/? ADAC: TBC NSN: TBC The authority will apply and provide the Model Number and NSNs
2	Technical Information	Full Technical data Pack	Technical Data Pack for Inservice designation: ADAC: NSN:	M	Def Stan 05-10	Yes	Contractors Reference	The Technical Data pack will consist of Full set of engineering drawings of the. Cartridge and its components Proof Specification (see serial 9)Product Safety Data Sheets Explosive Hazard Data Sheets Packing, Ammunition Container, inner cartons, Ammunition marking Diagrams Unit Load specification and Marking The authority will provide top level drawing number and Ammunition Marking diagram numbers. See serials 10, 13, 16,16,19,20,23 and 25 below. Packaging details will need to be agreed with the authority (some of the requirements are further details in this table below.)
3.	Interfaces System							The external dimension shall be such meet the basic dimension requirements if CIP and operate in the UK Inservice 338 Blank Firing system and Tactical Engagement System (TES) with the Direct Fire Weapon Effects Simulation (DFWES) used in Sniper Training. The main interface references are: Commission International Permanente (CIP): Table of Dimension of Cartridges and Chambers - Rim Less Cartridges 339 Lapua Mag – TAB 1 dated 89-09-09 Revision 16-10-18 Rifle: UK In-service Sniper Rifle 338in L115A3/A4.: L115/1005-99-372-3045 Safe Blank Firing System: L115/1005-99-367-4588
4	Interfaces Performance				Def Stan 00-35 Part 4 AEP 97 Waterproof STANAG 4147			The Cartridge must be capable firing in the above weapon system variations with the Safe Blank Firing System – These can be supplied as GFE for the term of the contract. It shall provide Flash, Smoke and a Report (Noise) that is comparable or no worse than with the in-service 338 in Lapua Magnum Ball Cartridge and be capable of operating the UK Battle Sniper Simulator DEFWES system. The cartridges shall be sealed to ensure there is no ingress of water. It is suggested that the process for waterproof testing is carried out in accordance with AEP 97 MCMOPI. Sealant shall be compatible with explosive materials used within the cartridges. The cartridge shall be required to be able to operate in the temperature range -54 to +52 degrees centigrade. The cases are to be tested for Strength of design at +70 degrees centigrade. Shelf life the ammunition will have a Safe to Transport and Storage Life of 10-15 years and a safe and suitable for use of 5 years

								Capable of be used and stored in Environments A1 to A3, B1 to B3 and C) to C2 and M3 as prescribed in Defence standard 00-35 part 4
5	Defence Munitions Publication			M		Def Stan 13-099		The contractor is to provide a Draft DMP in a format compatible with the Defence Standard. It is accepted that some information the contractor will not be available as it is MOD specific the authority will work with the contractor to complete this requirement.
6	Explosives Hazard Category Classification			M	HCC CAD	Recommendations for the classification of Dan Orange Book		The authority will apply for HCC through the MOD competent Explosive Authority: Defence Safety Organisation Regulator for an HCC and a Competent Authority Document (CAD) the TDP should have sufficient information to allow for this process to be conducted. The process is like that required through the HSE or another countries Competent Authority.
Cartridge								
7	Proof Specification	Specification			Def Stan 05-101 Pparts 1, 2 and 3.			The contract shall provide a Proof Schedule for production which will have the details of how the proof will be carried out, the acceptance and rejection criteria's and where applicable the statistical sampling plans. Typical content requirement can be found at Para 6.2.2 of Defence Standard 05-101 Part 1.
8	Lot Control	Lot			Def Stan 13-096 Parts 1, 2 and 3			Batches/Lots of ammunition will be in accordance with Def Stam 13-096.
9	Composition Specification	Technical Specification	Composition Specification *Composition Name* (DA designated)	M	Def Stan 07-085 13-096 13-099	NO		To include composition breakdown by mass/volume/percentage in support of explosives qualification and classification.
10.	Marking Cartridge	Ammunition Marking Drawing	Marking Instruction for Full-Service Designation	M	Def Stan 00-810	YES	AMD ***	The authority will apply for a Ammunition Marking Drawing Number to be issued to the contractor. This will be the known Drawing that designated the head stamp markings. Applicable to each component and specifying whether permanent or temporary markings
11	Hazardous Materials Safety Data Sheet	Safety Data Sheet	(OEM designated)	M		NO		Applicable to any hazardous ingredient of any composition/component
12	Explosives Hazard Data Sheet	Explosives Hazard Data Sheet	Explosives Hazard Data Sheet *Full-Service Designation*	M	Def Stan 13-129	NO		This is not an SDS - Specific format iaw Def Stan 13-129. If not supplied, sufficient technical data must be supplied to allow DGM to produce.
13	Top Level Drawing	Design Drawing	*Full-Service Designation*	M	Def Stan 13-099 BS 8888:2017	YES		Technical Product Documentation (TPD) Specification 5536
145	Sub- component drawing	Design Drawing	*Designation* - for use on W*** (where W*** is the TLD)	P		NO		Typically, a sub drawing number of the parent component/store (i.e. W***-2, W***-3 or W***a, W***b, etc). May have individual drawing numbers if preferred.

Packaging (defence Standard 00—88), No Statement of Packaging Requirements will be provided. The ACA shall consist of ammunition having an outer container AC M2A1 or H83 with fibre board intermediate cartons. The ammunition shall be provided on a suitable ULS in accordance with Def Stan 00-014. The authority the authority will advise on suitable designed ULS to be utilised.								
15	Ammunition Container	Design Drawing	*AC Name* ***	M		YES	*AC Name* ***	Derived from AC model number (i.e. AC ***). Not required if ACs are provided as GFE.
16	Method of Pack	Design Drawing	Ammunition Container Assembly ***	M	Def Stan 00-088 81-041 (non explosive)	YES	ACA Name ***	Derived from ACA model number (i.e. ACA ***). If an assembly can hold multiple stores, a table of contents detailing ADAC and Full-Service Designation should be shown.
17	Intermediary Packaging	Design Drawing	*Part number of packaging item*	M	Def Stan 00-810	NO		Expected to be Fibre Board Containers
18	Internal Packaging	Design Drawing	*Name of packaging item*	M	DefS tan 00-810 DefStan 81-116	NO	*Item part number* ***	The MOD recycles/reuses items wherever possible. Where the packaging item can be reused and reissued for further contracts the items will be given a MOD drawing number. The authority will apply and provide these numbers.
19	OEM Packing Instruction	Process/Instruction	Packing Instruction for *** in ACA ***	M	Def Stan 00-088 Def Stan 81-041 (non explosive)	NO		This shall be in the form Technical Drawings showing the Ammunition Container Assembly. Where ammunition container needs specific packaging instruction for assembly or changes of components or desiccant etc. a Special Packaging Sheet will be provided (SPIS) Must confirm compliance with DG PIs as detailed in ADR, IMDG, IATA. However: the authority is advising the contractor to design the ACA utilising the existing Military Containers (e.g. M2A1 US Style Ammunition Containers or UK H83) with Fibreboard Internal Cartons holding designated quantities. These may be issued as GFE
20	Palletisation	ULS	ULS	M	Def Stan 00-814 STANAG 2828			The authority has several approved palletised configurations and build standards that can be utilised. The Authority will provide details once notified of the proposed ACA configuration. The munition will need to be added onto the schedule for the Unit load specification. Where possible and practicable UK NATO 1 Tonne pallets to drawing AO1130 are be used
Safety								
21	UN Series Transport Testing Reports	Report	*Test Centre designated*	M		NO		Drops Test heights should be discussed with the PT at the earliest opportunity to prevent repetition of drop testing later.
22	Transport Competent Authority Document	Certification Competent Authority Document	*CA designated*	M		NO		HSE, DoTEx. Applications to DOSR for military classification is mandatory regardless of holding another CAD and will be submitted on behalf of the supplier by DGM.
23	Container Marking	Ammunition Marking Drawing	Marking Instruction for AC *** containing Full-Service Designation	M	Def Stan 00-810, Pt 1 and 20	YES	AMD ***	See serials 15 and 16 above
24	Intermediary packaging marking	Ammunition Marking Drawing	Marking instruction for *Part number of item*	O	Def Stan 00-810, Pt 1 and 20	NO		May have individual drawing numbers if preferred. Not required if provided as GFE.
25	Internal packaging marking	Ammunition Marking Drawing	Marking instruction for *Part number of AC/item*	M	Def Stan 00-810, Pt 1 and 20	YES	AMD ***	Typically, a sub drawing number of the parent component/store (i.e. AMD***-2, AMD***-3 or AMD***a, AMD***b, etc). Not required if provided as GFE.
Delivery Documentation								
26	Technical Data Pack							Prior to Delivery of Ammunition 6 months prior to contract delivery

27	Production Proof Documentation	Proof summary Sheet			Def Stan 13-096			On delivery
28	Propellant testing Documentation	Stabilizer Depletion Test Results			AOP 48 STANAG 4542			This should be available from the propellant supplier
29	Defence Munition Publication	DMP			Def Stan 13-099			
30	Ammunition Data Cards	Ammunition Data Card			Defence standard 13-098			
31	Safety Data Sheets	Propellant - Explosive Hazard Data Sheet Primer – Explosive Hazard Data sheets Assembled cartridge - Product Hazard Data Sheets			DEF Con 68			
32	Certificate of Conformity of C							
33	Advice Note							Advice Note providing details of delivered Items
Contract Deliverables								
34	Delivery of Articles as listed on the Schedule of Requirements							In accordance with the dates and quantities listed on the Schedule of Requirements (Schedule 2 to terms and conditions)
35	Safety and Environmental Plan							Within 6(six) wks of Contract Award
36	Proof Testing/Trials Plan							Within 6(six) wks of Contract Award
37	Configuration Management Plan							No more than 30 days after Contract award i.a.w Paragraph 14 of the Technical Specification
38	Proof Testing Reports							Within 6(six) weeks of the final Proof Test as detailed in the Proof Testing plan and prior to deliveries as stated on the Schedule of Requirements (Schedule 2 to terms and conditions) To include: • Certificate of Conformity • Ammunition Data Card • Proof Summary Sheet • Propellant Release Note • Primer Release Note
39	Progress Meetings							Annually or as required by the Authority i.a.w. Condition 20 of the Contract Terms and Conditions
40	Progress Reports							Quarterly i.a.w. Condition 20 of the Contract Terms and Conditions
41	Project Safety and Environmental panel (PSEP) meetings							Attendance as requested by the Authority i.a.w. Condition 20 of the Contract Terms and Conditions
42	Technical Data Pack							Initially are part of Tender Submission.

								No later than 6 months prior to delivery date as stated on the Schedule of Requirements (Schedule 2 to terms and conditions) Annually updated to include: • Information required by DEFCONS 68 and 117 • Technical drawings of the rounds (see serial 2 above) • Material Safety Data Sheets of propellant primer compositions detailing % weight breakdown • Hazardous data sheets for any additional hazardous material (if applicable) • Explosive Hazard Data Sheets for complete store i.a.w. the format of the DEFSTAN (see serial 21 above) • Packing configuration drawings i.a.w. DEFCON 130 (see serial 15-20 above)
43	Risk Management Plan							Initially as part of Tender submission Final Delivery – Contract Award +30 days Risk Management Plan that includes active management techniques and risk assessment process and methods for minimising risks to as low as reasonably practicable
44	Project Management Strategy							Initially as part or Tender submission Final Delivery – Contract Award +30 days Strategy shall identify the Resource management Organisational Structure, Role and Responsibilities, method and process for controlling the Project and Progress Reporting process. The strategy shall include the Quality Management Process Notify the Authority of any risks that impact ability to deliver to the contracted Schedule of Requirements together with the proposed mitigation and fall-back actions for each risk
45	Contract Master Schedule (CIMS)							Initial delivery as part of the Tender Submission. Delivery Post Contract Award +2 months Updates to be provided on an annual basis (or alternatively timescale be agreed by the Authority's project team) Delivery does not constitute Authority Acceptance of the initial delivery or the Baseline Schedule- Baseline Schedule dependant on link to IBR activity
46	Quality Management Plan				meets the requirements of AQAP 2110 and AQAP 2105			Final Delivery – Contract Award +90 days