

Appendix 1 to Annex D

C21 MULTI-CALIBRE SNIPER WEAPON SYSTEM

COMPLIANCE MATRIX



Reference Number: W8476-196090

Date: 27 April 2020

Prepared by:
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NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document shall continue to apply.

AVIS

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APPENDIX 1 to ANNEX D - COMPLIANCE MATRIX - W8476-196090

Evaluator Instructions:

1. Fill-in Date, Bidder and Evaluator information below.

2. Review Bidder's responses in Columns 5 to 7, and complete Columns 9 and 10 during Bid Evaluation.

Date:

Bidder:

Evaluator:

Bidder Instructions:

1. Fill-in Submission Date, Bidder Unique ID Number, Product and Bidder's Signature below.

2. Minimum Substantiation type/method is indicated in Column 4.

3. Complete Columns 5-7.

4. All Requirements must be found COMPLIANT, otherwise the bid will not proceed to Phase 2 of Bid Evaluation.

5. Refer to Annex D for detailed instructions.

Submission Date:

Bidder Unique ID Number:

Product:

Bidder Signature

				TO BE COMPLETED BY BIDDER			BID EVALUATION - PHASE 1: TO BE COMPLETED BY EVALUATOR		
Col 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
	Requirement	Requirement Type	Proof of Compliance	Bidder's Self Assessment	Evidence Location In Bid Package	Bidder's Statement and/or Comments	Evaluator Instructions	Evaluator's Assessment	Evaluator's Comments
CORPORATE REQUIREMENTS									
	<p>A proposal must be submitted by either the Rifle Manufacturer or a lisenced distributor that represents the Rifle Manufacturer.</p> <p>The Rifle Manufacturer must be an established weapon manufacturer that has significant experience in precision weapons for military or police organizations as follows:</p> <p>(a) Manufacturer Qualifications - must have been in the business of developing, manufacturing and selling precision weapons for a minimum of five (5) years; and</p> <p>(b) Proven Design - The Rifles being offered must be based upon a Commercial-Off-The-Shelf (COTS) or Military-Off-The -Shelf (MOTS) product that is in current production and, at time of offer submission must be in use by an American, British, Canadian or Australian (ABCA) military organization, North Atlantic Treaty Organization (NATO) or a North American (Canada or United States) civilian police agency.</p>	Mandatory	<p>Rifle Manufacturer or lisenced distributor to provide documentation to support the following:</p> <ul style="list-style-type: none">- Rifle Manufacturer posessing 5 years experience in developing, manufacturing and selling precision weapons.- Linking the Rifle to either COTS/MOTS P/N 's in the Rifle Manufacturer current inventory.- Rifles are based on product being used by an ABCA/NATO country military or North American civilian police agency.				<p>Review evidence provided by bidder and confirm the following:</p> <ul style="list-style-type: none">- Rifle Manufacturer possessing 5 years experience in developing, manufacturing and selling precision weapons.- Linking the Rifle to either COTS/MOTS P/N 's in the Rifle Manufacturer current inventory.- Rifles are based on product being used by an ABCA/NATO country military or North American civilian police agency.		

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Ref Annex C	TECHNICAL REQUIREMENTS								
3.1	Rifle								
3.1.1	General Rifle								
3.1.1.1	The Rifle must be a bolt-action, Multi-Calibre, right-handed bolt precision weapon.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle is a bolt-action, Multi-Calibre, right-handed bolt precision weapon.		
3.1.1.2	The Rifle must be compatible with NATO 7.62 x 51mm ammunition in one configuration, and with .338 Lapua Magnum ammunition in another configuration.	Mandatory	Technical Documentation DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle is compatible with NATO 7.62 x 51mm ammunition and with .338 Lapua Magnum ammunition.		
3.1.1.3	The Rifle's magazine location must be forward of the trigger.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle's magazine is forward of the trigger.		
3.1.1.4	The Rifle must have a manually applied safety.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle's safety can be manually applied.		
3.1.1.5	The Rifle must have an ambidextrous magazine release.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle has an ambidextrous magazine release.		
3.1.1.6	The Rifle must have a pistol grip.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle grip is of the pistol type.		
3.1.1.7	The mass of the Rifle with an empty magazine, in any calibre configuration, must be less than or equal to 7 kg.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to confirm that the mass of the Rifle is as specified in para. 3.1.1.7, in both calibre configurations, NATO 7.62 x 51mm and .338LM.		
3.1.1.8	The external surfaces of the Rifle must have a CERAKOTE finish.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the external surfaces of the Rifle have a CERAKOTE finish.		
3.1.1.9	The colour of the major external surfaces of the Rifle must be Coyote Tan with a Matte finish, or an alternative color approved by Canada. All other components of the Rifle can be either black or the same color as the Rifle.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the colour of the major external surfaces of Rifle is Coyote Tan. Note: The PPS is exempt from meeting this requirement.		
3.1.1.10	The Rifle must have ambidextrous sling mounting points on the butt stock or on the rear portion of the chassis that accommodates the sling specified in para. 3.3.2.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the rear sling mounting points are as specified in para. 3.1.1.10.		
3.1.1.11	The Rifle must have an ambidextrous sling mounting point at the front, that is rail mounted and removable, and that accommodates the specified sling in para. 3.3.2.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the front sling mounting is as specified in para. 3.1.1.11.		
3.1.1.12	With an empty magazine inserted into the Rifle slot, the Rifle design must allow for a single round to be inserted directly into the Rifle chamber and cocked without having to insert the round into the magazine.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.1.13	The bolt must be taken apart for cleaning by the Operator without the need for tools.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Bolt can be taken apart for cleaning without the need for tools.		
3.1.2	Rifle Stock								
3.1.2.1	The Rifle stock must be foldable and lockable in place without affecting installed accessories.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if Rifle stock folds and locks in place, without affecting installed accessories.		
3.1.2.2	The Rifle stock must fold on the bolt handle side of the rifle.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle stock folds on the bolt handle side of the rifle.		

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3.1.2.3	The Rifle stock must be adjustable in length of pull without the use of tools and have an adjustment range of at least 34 mm.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of pull of the Rifle stock is adjustable without the use of tools, and that the <u>adjustment range is at least 34mm.</u>		
3.1.2.4	The Rifle stock length of pull must have at least 4 lockable adjustment positions unless fully adjustable.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of pull of the Rifle stock has at least 4 lockable adjustment positions, or <u>that it is fully adjustable.</u>		
3.1.2.5	The Rifle stock cheek rest and recoil pad must accommodate both right handed and left handed users.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.2.6	The Rifle stock cheek rest must be adjustable vertically without the use of tools.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle stock cheek rest can be adjusted vertically without the use of tools.		
3.1.2.7	The Rifle length, with stock unfolded and collapsed to the minimal length of pull and without the muzzle brake must be less than or equal to 1270 mm in both calibre configurations.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the Rifle is as specified in para. 3.1.2.7, in both calibre configurations.		
3.1.2.8	The Rifle length, with stock folded and collapsed to the minimal length of pull and without the muzzle brake must be less than or equal to 1020 mm in both calibre configuration.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the Rifle is as specified in para. 3.1.2.8, in both calibre configurations.		
3.1.3	NATO Accessory Rails								
3.1.3.1	The MCSW must be equipped with removable NATO accessory rails installed at the 3, 6 and 9 O'clock positions on the Rifle fore-end.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the MCSW is equipped with removable NATO accessory rails installed at the 3, 6 and 9 O' clock positions on the Rifle fore-end.		
3.1.3.2	The 3 and 9 O'clock NATO accessory rails must be at least 75 mm long each.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the 3 and 9 O' Clock NATO accessory rails on the Rifle measure at <u>least 75mm each.</u>		
3.1.3.3	The 6 O'clock NATO accessory rail must be at least 125 mm long.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the 6 O' Clock NATO accessory rail on the Rifle measures at least <u>125mm long.</u>		
3.1.3.4	The 3, 6 and 9 O'clock NATO accessory rails must be able to be mounted at various positions along the length of the Rifle forestock.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.3.5	The 3, 6 and 9 O'clock NATO accessory rails must be interchangeable between each other.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.3.6	The MCSW must be equipped with a NATO rail installed at the 12 O'clock position of the Rifle Chassis.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle is equipped with a NATO rail at the 12 O' clock position of the Rifle <u>Chassis.</u>		
3.1.3.7	The 12 O'clock NATO rail must have a usable mounting space of 533mm or more, when measured from end-to-end of the rail.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the 12 O' Clock NATO rail <u>measures 533mm or more.</u>		
3.1.3.8	The 12 O'clock NATO rail must have a 40 MOA slanted angle, sloping down towards the front of the Rifle.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the 12 O'clock NATO rail has a 40 MOA slanted angle, and that it slopes down <u>towards the front of the Rifle.</u>		
3.1.3.9	The MCSW must be equipped with a NATO rail at the bottom of the Rifle stock to be used for a monopod.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Rifle is equipped with a NATO rail at the bottom of the Rifle stock.		
3.1.3.10	If the monopod rail in 3.1.3.9 is not removable, then a cover must be provided for the monopod rail.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7.		

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3.1.3.11	The 3, 6, 9, 12 O'clock and monopod NATO rails must be IAW STANAG 4694.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine that the 3, 6, 9, 12 O'clock and monopod NATO Rails are IAW STANAG 4694.		
3.1.4	Trigger Mechanism								
3.1.4.1	The trigger mechanism must be a Two-Stage Trigger.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the Trigger mechanism is a Two-Stage Trigger. Assess as "Compliant" if the trigger mechanism is a Two-Stage Trigger.		
3.1.4.2	The trigger must automatically return to its normal forward position upon release after partial or complete trigger pull.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.4.3	The trigger second stage pull force must be adjustable and include a pull force range of 13.3 N to 15.6 N (3 lb to 3.5 lb).	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.5	Safety								
3.1.5.1	The Rifle design must prevent the bolt from being disengaged from the cocked position while the safety is in the "SAFE" position, in both configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.5.2	The Rifle design must prevent a bullet from being fired while the safety is in the "SAFE" position.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.5.3	The state of the Rifle Safety mechanism must be verifiable by both sight and touch.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.5.4	The bolt must not disengage from its cocked position upon a trigger pull.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.1.6	Barrel								
3.1.6.1	The Barrel length for the NATO 7.62 x 51mm configuration must be greater than or equal to 609mm.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the Barrel is as specified in the requirement.		
3.1.6.2	The Barrel length for the .338LM configuration must be greater than or equal to 660mm.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the Barrel is as specified in the requirement.		
3.2	Transit Case								
3.2.1	The Transit Case must be a rigid case equipped with molded custom inserts.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.2	The Transit Case must store the entire MCSW System. See Figure 1 for a list of items included in the MCSW System.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.3	The Transit Case must store the Rifle with the Optical Scope System (GFE) mounted on the rifle, and with all recoil pad spacers mounted and cheek piece fixed in a user-required position.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.4	The Transit Case must store the Rifle with the 12 O'clock NATO Accessory Rail facing the Transit Case handle.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.5	The colour of the Transit Case must be Tan or Black.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		

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3.2.6	The Transit Case must be provided with a hinged cover.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.7	The Transit Case must be equipped with hinged latches to securely close the case.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.8	The Transit Case must be provided with a padlock locking point to secure the contents.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.9	The Transit Case must be provided with a folding handle on its long side for carrying by hand.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.10	The Transit Case must be provided with wheels located on one of the short edges for pulling the case.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.11	The Transit Case must be provided with a folding handle, or integrated handle on the opposite end to the wheels for pulling the case.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.12	The Transit Case must be equipped with a pressure release valve.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.13	The Transit Case must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 (-46°C min) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.14	The Transit Case, fully loaded with the MCSW System, must protect the contents from damage when dropped from a height of 1.5 m onto a concrete backed 5cm thick plywood surface at uncontrolled ambient conditions in the following orientations: a. Bottom side; b. Hinge side; c. One end; and d. One corner. Note: a. <u>The drops may be spread over two cases.</u>	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.2.15	The Transit Case must not show any signs of leakage or water penetration into the interior where the equipment is being stored when submersed in 1 m of water for 30 minutes.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.3	Accessories								
3.3.1	Magazines								
3.3.1.1	The MCSW must have a detachable magazine for the .338LM configuration that holds no less than five .338LM cartridges.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to verify that the MCSW has a magazine for the .338LM configuration that holds no less than five .338LM cartridges.		
3.3.1.2	The MCSW must have a detachable, double-stacked magazine for the 7.62 x 51mm NATO configuration that holds no less than ten NATO 7.62 x 51mm cartridges.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to verify that the MCSW has a magazine for the 7.62 x 51mm NATO configuration that holds no less than ten NATO 7.62 x 51mm cartridges.		

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3.3.1.3	The Magazines must self-align, be inserted with one hand and lock firmly on the Rifle.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.2	Sling								
3.3.2.1	The Sling must be the Tab Pinnacle Rifle Sling, part number PRS,E,C,F, NSN 1005-01-664-0176.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.3.3	Suppressor								
3.3.3.1	The MCSW must be provided with one Suppressor that is compatible for both calibre configurations. Canada will accept either a suppressor mounted directly to the barrel or one mounted to the muzzle brake.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.3.2	The Suppressor must attenuate the sound of the Rifle by a minimum of 20 dB when measured 1 m to the left of the muzzle, in both Calibre configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.3.3	The Suppressor must maintain the specified sound attenuation of 20 dB or more throughout a service life of 4,000 rounds in .338 configuration, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Suppressor proposed with the bid must be used for the Test Report. 2. Test Report can be based on a different weapon than the one proposed with the bid, however it must be a .338 calibre weapon. 3. For the Test Report, the total number of rounds used for the test must be greater than or equal to 100. DND will confirm compliance of the Suppressor sound attenuation for the entire 4,000 rounds in .338 configuration as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the Suppressor with the requirement.		
3.3.3.4	The Suppressor must maintain the specified sound attenuation of 20 dB or more throughout a service life of 8,000 rounds in 7.62mm configuration, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Suppressor proposed with the bid must be used for the Test Report. 2. Test Report can be based on a different weapon model than the one proposed with the bid, however it must be a 7.62mm / .308 calibre weapon. 3. For the Test Report, the total number of rounds used for the test must be greater than or equal to 200.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the Suppressor with the requirement.		
3.3.3.5	The Suppressor must attach and disconnect from the rifle without the use of tools.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.3.6	The Suppressor must not add more than 225 mm to the length of the Rifle past the end of the barrel.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the length of the Rifle is not increased by more than 225 mm with the addition of the Suppressor, in both Calibre configurations.		
3.3.3.7	The external surfaces of the Suppressor must have a CERAKOTE finish.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the external surfaces of the Suppressor have a CERAKOTE finish.		
3.3.3.8	The colour of the external surfaces of the Suppressor must be Coyote Tan with a Matte finish, or an alternative color approved by Canada.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the colour of the external surfaces of the Suppressor is Coyote Tan. Note: The PPS Suppressor is exempt from meeting this requirement.		

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3.3.3.9	The outer diameter of the Suppressor must be equal to or less than 52mm.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to determine if the outer diameter of the Suppressor is equal to or less than 52mm.		
3.3.3.10	The Suppressor must not become loose when firing a 5 round grouping in both calibre configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.3.11	The Suppressor must be fitted with a MANTA suppressor sleeve to help reduce mirage.	Mandatory	Compliance Statement				The Evaluator will verify the bidder's Compliance Statement in Column 7. Note: The PPS is exempt from meeting this requirement.		
3.3.4	Muzzle Brake								
3.3.4.1	The MCSW must be provided with one Muzzle Brake that is compatible for both calibre configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.3.4.2	The Muzzle Brake must not become loose when firing a 5 round grouping in both calibre configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.4	Comprehensive Cleaning and Maintenance Kit								
3.4.1	The MCSW must be provided with a Comprehensive Cleaning and Maintenance Kit containing all items required to fully clean and maintain the MCSW, including, but not limited to: tools and accessories required to perform a calibre change, a Rifle Bore Guide and a Cleaning Rod.	Mandatory	Technical Documentation				The Evaluator will examine the Technical Documentation and any other information submitted with the proposal to verify that the Comprehensive Cleaning and Maintenance Kit meets the requirement.		
3.5	Performance								
3.5.1	Precision								
3.5.1.1	The MCSW in the NATO 7.62 x 51mm configuration, with the Suppressor attached, must achieve an Average Mean Radius of 1.2cm or less for 5 groupings of 5 rounds at a range of 100m.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any NATO 7.62 x 51 mm cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.1.2	The MCSW in .338 Lapua Magnum configuration, with the Suppressor attached, must achieve an Average Mean Radius of 1.2cm or less for 5 groupings of 5 rounds at a range of 100m.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any .338LM 250 grain cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.2	Safety Drop								

				TO BE COMPLETED BY BIDDER			BID EVALUATION - PHASE 1: TO BE COMPLETED BY EVALUATOR		
Col 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
	Requirement	Requirement Type	Proof of Compliance	Bidder's Self Assessment	Evidence Location In Bid Package	Bidder's Statement and/or Comments	Evaluator Instructions	Evaluator's Assessment	Evaluator's Comments
3.5.2.1	The Rifle with Magazine inserted must not discharge the round in the chamber when dropped at a height of 1.5m in each calibre configuration, onto a concrete backed 5cm thick plywood surface at uncontrolled ambient conditions in the following rifle orientations: a. Rifle vertical, with Muzzle facing impact surface; b. Rifle vertical, with Butt stock facing impact surface; c. Rifle angled forward at 45° to impact surface; d. Rifle angled backwards at 45° to impact surface; and e. Rifle in shooting position and parallel to impact surface. Note: Drops to be conducted with the safety mechanism in the SAFE position, and 2nd stage trigger pull set to lowest specified trigger second stage pull force.	Mandatory	Test Report 1. For the Test Report, it is required to conduct this test with at least one Rifle in either configuration, at a drop height of at least 1.5m, and for a total of at least 5 drops per Rifle, as specified in the requirement. 2. TOP 3-2-045 or MIL-STD 810 or Equivalent Test Method is a sufficient means to demonstrate compliance to this requirement. 3. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 4. Suppressor, Muzzle Brake and Optical Scope can be omitted for this test. DND will confirm compliance as per TOP 3-2-045, Method 4.10 Rough Handling Test, 1.5 Meter Drop, in the .338LM configuration, as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.3	High Pressure Test								
3.5.3.1	Every assembled Rifle must be proof tested IAW AC/225(LG/3-SG/1)D/14, para 2.1.4.2 in each calibre configuration, inspected, and have proof marks on all pressure bearing components.	Mandatory	Certificate of Compliance 1. Bidder to identify in their response which components are pressure bearing, and the location of the proof marks. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				Assess as "Compliant" if: 1. the bidder has provided a certificate of compliance certifying each assembled Rifle is proof tested IAW AC/225(LG/3-SG/1)D/14, para 2.1.4.2 in each calibre configuration and inspected.		
3.5.4	Service Life								
3.5.4.1	The NATO 7.62 x 51mm barrel service life must be no less than 8,000 rounds while maintaining an Average Mean Radius of 1.2cm or less for 5 groupings of 5 rounds, at a range of 100 m, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Test Report must demonstrate that the Average Mean Radius of 1.2cm or less is achieved at the start and end of service life of the barrel. 3. Any NATO 7.62 x 51 mm cartridge is acceptable for the Test Report.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.4.2	The .338 Lapua Magnum barrel service life must be no less than 4,000 rounds while maintaining an Average Mean Radius of 1.2cm or less for 5 groupings of 5 rounds, at a range of 100 m, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Test Report must demonstrate that the Average Mean Radius of 1.2cm or less is achieved at the start and end of service life of the barrel. 3. Any .338LM 250 grain cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 3.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.5	Reliability								

				TO BE COMPLETED BY BIDDER			BID EVALUATION - PHASE 1: TO BE COMPLETED BY EVALUATOR		
Col 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
	Requirement	Requirement Type	Proof of Compliance	Bidder's Self Assessment	Evidence Location In Bid Package	Bidder's Statement and/or Comments	Evaluator Instructions	Evaluator's Assessment	Evaluator's Comments
3.5.5.1	The MCSW in the NATO 7.62 x 51mm configuration must be capable of firing 8,000 rounds with no more than five weapon related stoppages, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Test Report must demonstrate that the MCSW is capable of completing an 8,000 round endurance test in the NATO 7.62 x 51mm configuration with no more than five weapon related stoppages. 3. For the Test Report, it is acceptable to conduct this test with or without a suppressor; if a suppressor is used, it is acceptable to use a different suppressor than the one proposed for the bid.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.5.2	The MCSW in the .338LM configuration must be capable of firing 4,000 rounds with no more than five weapon related stoppages, with cleaning and preventive maintenance as recommended by OEM or Operator's Manual.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Test Report must demonstrate that the MCSW is capable of completing a 4,000 round endurance test in the .338LM configuration with no more than five weapon related stoppages. 3. For the Test Report, it is acceptable to conduct this test with or without a suppressor; if a suppressor is used, it is acceptable to use a different suppressor than the one proposed for the bid. DND will confirm compliance as detailed at Appendix 2 during Phase 3.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.6	Accuracy								
3.5.6.1	The MCSW in the NATO 7.62 x 51mm configuration must achieve a MPI shift of no more than 29.1mm at a range of 100m between two groupings of five rounds, where the first grouping of 5 rounds is fired with the suppressor attached, and the second grouping is fired after removing and re-attaching the barrel, without removing the suppressor.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any NATO 7.62 x 51 mm cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.6.2	The MCSW in the .338LM configuration must achieve a MPI shift of no more than 29.1mm at a range of 100m between two groupings of five rounds, where the first grouping of 5 rounds is fired with the suppressor attached, and the second grouping is fired after removing and re-attaching the barrel, without removing the suppressor.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any .338LM 250 grain cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.6.3	The MCSW in the NATO 7.62 x 51mm configuration must achieve a MPI shift of no more than 29.1mm at a range of 100m between two groupings of five rounds, where the first grouping of 5 rounds is fired with the suppressor attached, and the second grouping is fired after removing and re-attaching the suppressor.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any NATO 7.62 x 51 mm cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		

				TO BE COMPLETED BY BIDDER			BID EVALUATION - PHASE 1: TO BE COMPLETED BY EVALUATOR		
Col 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
	Requirement	Requirement Type	Proof of Compliance	Bidder's Self Assessment	Evidence Location In Bid Package	Bidder's Statement and/or Comments	Evaluator Instructions	Evaluator's Assessment	Evaluator's Comments
3.5.6.4	The MCSW in the .338LM configuration must achieve a MPI shift of no more than 29.1mm at a range of 100m between two groupings of five rounds, where the first grouping of 5 rounds is fired with the suppressor attached, and the second grouping is fired after removing and re-attaching the suppressor.	Mandatory	Test Report 1. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 2. The Suppressor proposed with the bid must be used for the Test Report. 3. Any .338LM 250 grain cartridge is acceptable for the Test Report. DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		
3.5.7	Calibre Change								
3.5.7.1	The duration to change from one calibre to another must be less than or equal to 5 min using tools provided with the weapon system.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.6	Interchangeability								
3.6.1	All assemblies and sub-assemblies of the MCSW with identical part numbers must be completely interchangeable for the service life of the weapon without affecting fit, form, function, precision and safety, for both calibre configurations.	Mandatory	Compliance Statement DND will confirm compliance as detailed at Appendix 2 during Phase 2.				The Evaluator will verify the bidder's Compliance Statement in Column 7.		
3.7	Operational Environments								
3.7.1	The MCSW in each calibre configuration must operate without physical damage and without degradation of performance in all low temperature environments associated with the C0, C1, C2 (-46°C min) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2. Note: Performance requirements to be assessed while firing a full magazine with no more than one weapon related stoppage in each configuration.	Mandatory	Test Report 1. AECTP 300, Ed 3, Method 303, Low Temperature, Procedure IIa, Operation (constant temperature) or Equivalent Test Method, conducted at a minimum C2 meteorological air temperature (-40°C) is a sufficient means to demonstrate compliance to this requirement. 2. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing. 3. The Test Report must demonstrate that the MCSW is capable of completing this test with no more that one weapons related stoppage per configuration. 4. For the Test Report, it is required to conduct this test with at least the Rifle and the magazine. It is acceptable to conduct the test without the remaining accessories of the MCSW. 5. For the Test Report, it is required to conduct this test at least in the .338LM configuration. DND will confirm compliance as per AECTP 300, Method 303, Procedure IIa and Procedure III as, detailed at Appendix 2 during Phase 2.				The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.		

				TO BE COMPLETED BY BIDDER			BID EVALUATION - PHASE 1: TO BE COMPLETED BY EVALUATOR		
Col 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
	Requirement	Requirement Type	Proof of Compliance	Bidder's Self Assessment	Evidence Location In Bid Package	Bidder's Statement and/or Comments	Evaluator Instructions	Evaluator's Assessment	Evaluator's Comments
3.7.2	<p>The MCSW in each calibre configuration must operate without physical damage and without degradation of performance in all high temperature environments associated with the A3, A2 and A1 (+49°C max) climatic regions as described in STANAG 4370, AECTP 200, AECTP 230, Leaflet 2311/1 and Leaflet 2311/2.</p> <p>Note: Performance requirements to be assessed while firing a full magazine with no more than one weapon related stoppage in each configuration.</p>	Mandatory	<p>Test Report</p> <p>1. AECTP 300, Ed 3, Method 302, High Temperature, Procedure II, Operation (constant temperature), or Equivalent Test Method conducted at a maximum A1 meteorological air temperature (+49°C) is a sufficient means to demonstrate compliance to this requirement.</p> <p>2. The Test Report(s) must be certified by an Engineer specialized in weapons design or weapons testing.</p> <p>3. The Test Report must demonstrate that the MCSW is capable of completing this test with no more than one weapons related stoppage per configuration.</p> <p>4. For the Test Report, it is required to conduct this test with at least the Rifle and the magazine. It is acceptable to conduct the test without the remaining accessories of the MCSW.</p> <p>5. For the Test Report, it is required to conduct this test at least in the .338LM configuration.</p> <p>DND will confirm compliance as per AECTP 300, Method 302, Procedure II, as detailed at Appendix 2 during Phase 2.</p>				<p>The Evaluator will examine the Test Report(s) submitted to confirm compliance of the MCSW with the requirement.</p>		
3.8	Markings								
3.8.1	<p>The serial number for the suppressor must be visible when the mirage mitigation cover is attached.</p>	Mandatory	<p>Compliance Statement</p>				<p>The Evaluator will verify the bidder's Compliance Statement in Column 7.</p> <p>Note: The PPS is exempt from meeting this requirement.</p>		