**Statement of Work (SOW)**
**Less Lethal Specialty Impact/Chemical Munitions (LLSI CM)**
**FY2026**

1. **BACKGROUND:** The Department of Homeland Security (DHS), Customs and Border Protection (CBP) has a requirement for the procurement of Distraction Devices, Specialty Impact and Area Saturation Munitions, hand delivered and launched in 40mm launchers, for training and operational use.

   Relevant agencies within DHS may include, but are not limited to, the following listed in Table 1.1, below. This contract shall be awarded and administered by Customs and Border Protection (CBP).

   Table 1.1
   Agencies and Abbreviations

| **DHS Agency** | **Abbreviation** |
|---|---|
| U.S. Customs and Border Protection | CBP |
| U.S. Immigration and Customs Enforcement | ICE |
| U.S. Secret Service | USSS |
| Federal Law Enforcement Training Center | FLETC |
| Other DHS or Non-DHS Agencies | TBD |

2. **SCOPE:** This statement of work delineates the required performance criteria for the acquisition of Distraction Devices, Specialty Impact and Area Saturation Munitions, hand delivered and launched in 40mm launchers, for the Department of Homeland Security (DHS).

3. **APPLICABLE DOCUMENTS:** CBP Use of Force Policy (January 2021).

4. **TECHNICAL REQUIREMENTS:**

   **4.1. Hand Delivered Pyrotechnic Canisters**

   4.1.1. Smoke Canister for Training (Reduced Toxicity). This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall have a sufficient number of gas ports to facilitate dispersion of white smoke and have a continuous discharge time of 30-50 seconds. The formulation shall be less toxic than Hexachloroethane (HC) smoke. Performance shall be equal to or better than Defense Technologies part number 1063, Saf-smoke Grenade.

   4.1.2. Continuous Discharge CS Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall have sufficient number of gas ports to facilitate dispersion of CS and have a continuous discharge time of 20-40 seconds.

DRAFT

Performance shall be equal to or better than Defense Technologies part number 1082, Riot Control Continuous Discharge Grenade- CS.

4.1.3. Continuous Discharge OC Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall have sufficient number of gas ports to facilitate dispersion of OC and have a continuous discharge time of 20-40 seconds. Performance shall be equal to or better than Defense Technologies part number 1080, Riot Control Continuous Discharge Grenade- OC.

4.1.4. Red Colored Smoke Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuse delay. It shall have sufficient number of gas ports to facilitate dispersion of red colored smoke and have a continuous discharge time of 30-50 seconds. Performance shall be equal to or better than Defense Technologies part number 1067, Colored Safe Smoke - Red.

4.1.5. Violet Colored Smoke Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall have a sufficient number of gas ports to facilitate dispersion of Violet colored smoke and have a continuous discharge time of 30-50 seconds. Performance shall be equal to or better than Defense Technologies part number 1068, Colored Saf-Smoke - Violet.

4.1.6. Blue Colored Smoke Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall have a sufficient number of gas ports to facilitate dispersion of Blue colored smoke and have a continuous discharge time of 30-50 seconds. Performance shall be equal to or better than Defense Technologies part number 1064, Colored Saf-Smoke -Blue.

4.1.7. Green Colored Smoke Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuse with an average 1.5 second fuse delay. It shall have sufficient number of gas ports to facilitate dispersion of green colored smoke and have a continuous discharge time of 30-50 seconds. Performance shall be equal to or better than Defense Technologies part number 1065, Colored Safe Smoke - Green.

4.1.8. Pocket Tactical Smoke Canister. This canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay, followed by continuous smoke discharge of 20 - 40 seconds. The chemical shall be formulated to be less toxic than Hexachloroethane (HC) smoke. Performance shall be equal to or better than Defense Technologies part number 1017, Pocket Tactical Grenade-Saf-smoke.

DRAFT

4.1.9. Pocket Tactical CS Canister. This hand delivered or launchable canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay, followed by continuous CS discharge of 20 - 40 seconds. Performance shall be equal to or better than Defense Technologies part number 1016, Pocket Tactical Grenade-CS.

4.1.10. Pocket Tactical OC Canister. This hand delivered or launchable canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay, followed by continuous OC discharge of 20 - 40 seconds. Performance shall be equal to or better than Defense Technologies part number 1019, Pocket Tactical Grenade-OC.

4.1.11. Three Part Sub-Munitions CS Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. The canister shall contain three sub-munitions. After detonation of separation charge, it shall separate its three pieces to a distance of 20 feet and continuously release 92 grams of CS for 20-30 seconds. Performance shall be equal to or better than Defense Technologies part number 1026, Triple Chaser Grenade- Separating Canister- CS.

4.1.12. Three Part Sub-Munitions OC Canister. This hand delivered smoke canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. The canister shall contain three sub-munitions. After detonation of separation charge, it shall separate its three pieces to a distance of 20 feet and continuously release 92 grams of OC for 20-30 seconds. Performance shall be equal to or better than Defense Technologies part number 1020, Triple Chaser Grenade- Separating Canister- OC.

4.1.13. Non-Burning Internal Canister CS Grenade. This hand delivered CS canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. The canister shall be equipped with an internal canister that will contain the burned pyrotechnic contents. After detonation, the contents will combust and release CS through ports on the outer canister while containing all fire-producing properties. The device shall contain a minimum of 20 grams of CS and discharge for 20-30 seconds. Performance shall be equal to or better than Defense Technologies part number 1032, Tri-Chamber Flameless Grenade - CS.

4.1.14. Non-Burning Internal Canister OC Grenade. This hand delivered OC canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. The canister shall be equipped with an internal canister that will contain the burned pyrotechnic contents. After detonation, the contents will combust and release OC through ports on the outer canister while containing all fire-producing properties. The device shall contain a minimum of 7.5 grams of OC and discharge for 20-30 seconds. Performance

DRAFT

shall be equal to or better than Defense Technologies part number 1030, Tri-Chamber Flameless Grenade - OC.

## 4.2. Non-Pyrotechnic Indoor/Outdoor Use

4.2.1. Flameless Expulsion Grenade (CS). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay. It shall expel approximately 4.5 grams of CS through gas ports located on the canister within 3 seconds. Performance shall be equal to or better than Defense Technologies part number 2042, Flameless Expulsion Grenade-CS.

4.2.2. Flameless Expulsion Grenade (OC). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay. It shall expel approximately 0.5 grams of OC through gas ports located on the canister within 3 seconds. Performance shall be equal to or better than Defense Technologies part number 2040, Flameless Expulsion Grenade-OC.

4.2.3. Flameless Expulsion Grenade (Inert). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay. It shall expel an inert material through gas ports located on the canister within 3 seconds. Performance shall be equal to or better than Defense Technologies part number 2043, Flameless Expulsion Grenade-Practice.

4.2.4. Instant Blast Powder Grenade (CS). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay. Upon detonation, the outside canister shall split, immediately expelling approximately 44 grams of CS powder. Performance shall be equal to or better than Defense Technologies part number 1042, Instantaneous Blast Grenade- CS.

4.2.5. Instant Blast Powder Grenade (OC). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay. Upon detonation, the outside canister shall split, immediately expelling approximately 9.2 grams of OC powder. Performance shall be equal to or better than Defense Technologies part number 1040, Instantaneous Blast Grenade- OC.

4.2.6. Instant Blast Powder Grenade (Inert). This hand delivered canister shall be non-burning. It shall be equipped with an M201A1 or equivalent fuze with an

DRAFT

average 1.5 second delay. Upon detonation, the outside canister shall split, immediately expelling inert powder. Performance shall be equal to or better than Defense Technologies part number 1043, Instantaneous Blast Grenade-Practice.

4.2.7. OC Vapor Aerosol Grenade. This hand delivered canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall be no larger in diameter than 2.25 inches and no more than 6.5 inches in length. It shall disperse the OC mist and have a continuous discharge time of 1-5 seconds. The active agent shall be .7% OC Capsaicinoid. Performance shall be equal to or better than Defense Technologies part number 1056, OC Vapor Aerosol Grenade.

4.2.8. OC Vapor Aerosol Grenade (Inert). This hand delivered canister shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second fuze delay. It shall be no larger in diameter than 2.25 inches and no more than 6.5 inches in length. It shall disperse the inert mist and have a continuous discharge time of 1-5 seconds. Performance shall be equal to or better than Defense Technologies part number 1055, OC Vapor Aerosol Grenade (Inert).

### 4.3. Hand Delivered Rubber Ball Grenades

4.3.1. Rubber Ball Grenade. This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5 second delay charge which disperses approximately 180 .32 caliber sized rubber balls in a fifty-foot radius. Performance shall be equal to or better than Defense Technologies part number 1090, Stinger Rubber Ball Grenade-Rubber Pellets Only.

4.3.2. Rubber Ball Grenade (CS). This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5 second delay charge which disperses approximately 180 .32 caliber sized rubber balls in a fifty-foot radius. The device will also disperse approximately 2 grams of CS upon detonation. Performance shall be equal to or better than Defense Technologies part number 1088, Stinger Rubber Ball Grenade- CS.

4.3.3. Rubber Ball Grenade (OC). This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5 second delay charge which disperses approximately 180, .32 caliber sized rubber balls in a fifty foot radius. The device will also disperse approximately .30 grams of OC powder upon detonation. Performance shall be equal to or better than Defense Technologies part number 1089, Stinger Rubber Ball Grenade- OC.

4.3.4. Rubber Ball Blast Grenade. This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5

DRAFT

second delay charge which delivers light and sound stimuli. The sound stimulus produced by the device shall be 175 decibels at 5 feet. Performance shall be equal to or better than Defense Technologies part number 1098, Rubber Ball Blast Grenade (Inert).

4.3.5. Rubber Ball Blast Grenade (CS). This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5 second delay charge which delivers light and sound stimuli, along with a CS payload. The sound stimulus produced by the device shall be 175 decibels at 5 feet. The CS payload shall be 26 grams. Performance shall be equal to or better than Defense Technologies part number 1097, Rubber Ball Blast Grenade (CS).

4.3.6. Rubber Ball Blast Grenade (OC). This device shall be equipped with an M201A1 or equivalent fuze with an average 1.5 second delay, followed by another 0.5 second delay charge which delivers light and sound stimuli, along with an OC payload. The sound stimulus produced by the device shall be 175 decibels at 5 feet. The OC payload shall be 26 grams. Performance shall be equal to or better than Defense Technologies part number 1095, Rubber Ball Blast Grenade (OC).

4.3.7. Hand ball Grenade (CS). This device shall be equipped with an M201A1 or equivalent fuze and shall produce a continuous discharge of CS for 10 - 25 seconds. The device will disperse 45.4 grams of CS. Performance shall be equal to or better than Defense Technologies part number 1092.

4.3.8. Hand ball Grenade (OC). This device shall be equipped with an M201A1 or equivalent fuze and shall produce a continuous discharge of OC for 10 - 25 seconds. The device will disperse 8.3 grams of OC. Performance shall be equal to or better than Defense Technologies part number 1099.

### 4.4. 40mm Launched Specialty Impact Munitions

4.4.1. 40mm Direct Impact Sponge Cartridge. This cartridge shall be propelled by smokeless powder and shall have a projectile consisting of a plastic body and foam (sponge) nose. The projectile shall exhibit a velocity of 310 - 340 feet per second at 5ft, when launched from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 9 inches at the maximum effective range of 131 feet. It shall have a non-lethal effective operating range between 5 - 131 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6325, eXact iMpact - 40 mm Sponge Round.

4.4.2. 40mm Direct Impact Sponge Cartridge “Extended Range”. This cartridge shall be propelled by smokeless powder and shall have a projectile consisting

DRAFT

of a plastic body and foam (sponge) nose. The projectile shall exhibit a velocity of 380 - 410 feet per second when launched from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 9 inches at the maximum effective range of 230 feet. It shall have a non-lethal effective operating range between 33 - 230 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6325LE, eXact iMpact - 40 mm Extended Range Sponge Round.

4.4.3. 40mm Direct Impact Sponge Cartridge (CS). This cartridge shall be propelled by smokeless powder and shall have a 1.45-ounce projectile consisting of a plastic body and foam (crushable) nose which disperses CS powder upon impact. The projectile shall exhibit a velocity of 280 - 310 feet per second at 5 feet, when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 11 inches at the maximum effective range of 131 feet. It shall have a non-lethal effective operating range between 5 - 131 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6322, Direct Impact - CS.

4.4.4. 40mm Direct Impact Sponge Cartridge (CS) "Extended Range". This cartridge shall be propelled by smokeless powder and shall have a 1.4-ounce projectile consisting of a plastic body and foam (crushable) nose which disperses CS powder upon impact. The projectile shall exhibit a velocity of 340 - 370 feet per second at 5ft, when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 11 inches at the maximum effective range of 230 feet. It shall have a non-lethal effective operating range between 33 - 230 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6322LE, Direct Impact – CS (Extended Range).

4.4.5. 40mm Direct Impact Sponge Cartridge (OC). This cartridge shall be propelled by smokeless powder and shall have a 1.45 ounce projectile consisting of a plastic body and foam (frangible) nose which disperses OC powder upon impact. The projectile shall exhibit a velocity of 280 - 310 feet per second at 5 feet, when launched from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 6 inches at the maximum effective range of 131 feet. It shall have a non-lethal effective operating range between 5 - 131 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6320, Direct Impact - OC.

DRAFT

4.4.6. 40mm Direct Impact Sponge Cartridge (OC – Extended Range). This cartridge shall be propelled by smokeless powder and shall have a 1.4 ounce projectile consisting of a plastic body and foam (frangible) nose which disperses OC powder upon impact. The projectile shall exhibit a velocity of 340 - 370 feet per second when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 9 inches at the maximum effective range of 230 feet. It shall have a non-lethal effective operating range between 33 - 230 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6320LE, Direct Impact - 40 mm Extended Range OC Sponge Round.

4.4.7. 40mm Direct Impact Sponge Cartridge (Marking). This cartridge shall be propelled by smokeless powder and shall have a 1.45 ounce projectile consisting of a plastic body and foam (crushable) nose which disperses marking powder upon impact. The projectile shall exhibit a velocity of 280 - 310 feet per second at 5ft, when launched from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 11 inches at the maximum effective range of 131 feet. It shall have a non-lethal effective operating range between 5 - 131 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6326, Direct Impact - Marking.

4.4.8. 40mm Direct Impact Sponge Cartridge (Marking – Extended Range). This cartridge shall be propelled by smokeless powder and shall have a 1.4 ounce projectile consisting of a plastic body and foam (frangible) nose which disperses marking powder upon impact. The projectile shall exhibit a velocity of 340 - 370 feet per second when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 9 inches at the maximum effective range of 230 feet. It shall have a non-lethal effective operating range between 33 - 230 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6326LE, Direct Impact - 40 mm Extended Range Marking Sponge Round.

4.4.9. 40mm Direct Impact Sponge Cartridge (Inert). This cartridge shall be propelled by smokeless powder and shall have a 1.45 ounce projectile consisting of a plastic body and foam (crushable) nose which disperses inert powder upon impact. The projectile shall exhibit a velocity of 280 - 310 feet per second at 5ft, when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 4 inches at the maximum effective range of 131 feet. It shall have a non-lethal effective operating range between 5 - 131 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal

DRAFT

to or better than Defense Technologies part number 6323, Direct Impact - Inert.

4.4.10. 40mm Direct Impact Sponge Cartridge (Inert – Extended Range). This cartridge shall be propelled by smokeless powder and shall have a 1.4 ounce projectile consisting of a plastic body and foam (crushable) nose which disperses inert powder upon impact. The projectile shall exhibit a velocity of 340 - 370 feet per second when fired from a B&T GL-06DHS launcher. It shall be capable of accuracy by maintaining three shots within an extreme spread of 9 inches at the maximum effective range of 230 feet. It shall have a non-lethal effective operating range between 33 - 230 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6323LE, Direct Impact - 40 mm Extended Range Inert Sponge Round.

4.4.11. Direct Impact 40mm Reloadable 250 Shot Training Kit. This cartridge shall be reloadable and simulate the dimensions and accuracy (to a range of 120 feet) of the Direct Impact Sponge Cartridge. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Each cartridge must be able to be fired a minimum of ten (10) times with only the replacement of propellant. Performance shall be equal to or better than Defense Technologies part number 6530, 40MM Reloadable 250-Shot Training Kit.

4.4.12. Direct Impact 40mm Reloadable 50 Shot Training Kit. This cartridge shall be reloadable and simulate the dimensions and accuracy (to a range of 120 feet) of the Direct Impact Sponge Cartridge. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Each cartridge must be able to be fired a minimum of ten (10) times with only the replacement of propellant. Performance shall be equal to or better than Defense Technologies part number 6530-50, 40MM Reloadable 50-Shot Training Kit.

4.4.13. Direct Impact 40mm Reloadable 250 Shot Training Kit (Extended Range). This cartridge shall be reloadable and simulate the dimensions and accuracy (to a range of 230 feet) of the Direct Impact Sponge Cartridge. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Each cartridge must be able to be fired a minimum of ten (10) times with only the replacement of propellant. Performance shall be equal to or better than Defense Technologies part number 6530LE, 40MM Reloadable Extended Range 250-Shot Training Kit.

4.4.14. Direct Impact 40mm Reloadable 50 Shot Training Kit (Extended Range). This cartridge shall be reloadable and simulate the dimensions and accuracy (to a range of 230 feet) of the Direct Impact Sponge Cartridge. This cartridge

DRAFT

shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Each cartridge must be able to be fired a minimum of ten (10) times with only the replacement of propellant. Performance shall be equal to or better than Defense Technologies part number 6530LE-50, 40MM Reloadable Extended Range 50-Shot Training Kit.

4.4.15. Direct Impact 40mm Training Plastic Projectiles. This plastic projectile shall be offered as a line item to supplement the Direct Impact 40mm Reloadable Training Kit (Standard and Extended Range).

4.4.16. 40mm Multiple Rubber Ball Round. This cartridge shall be propelled by smokeless powder and shall have between 17-20 (60 caliber) rubber projectiles. The projectiles shall exhibit a velocity of 310-340 feet per second at 5 feet, when fired from a B&T GL-06DHS launcher. It shall have a non-lethal effective operating range between 15 - 50 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6097, Stinger 60 Caliber - 40mm Smokeless Powder Rubber Ball Round.

4.4.17. 40mm Multiple Rubber Ball Round (Shortened). This cartridge shall be propelled by smokeless powder and shall contain 60 caliber rubber projectiles. This cartridge shall function in an M203 launcher. Performance shall be equal to or better than Defense Technologies part number 6097 SL, Stinger 60 caliber – 40mm Smokeless Powder Rubber Ball Round.

4.4.18. 40mm Multiple Rubber Ball Round. This cartridge shall be propelled by smokeless powder and shall contain approximately 130 (32 caliber) rubber projectiles. The projectiles shall exhibit a velocity of 280-310 feet per second at 5ft, when fired from a B&T GL-06DHS launcher. It shall have a non-lethal effective operating range between 15 - 30 feet. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6096, Stinger 32 Caliber - 40mm Smokeless Powder Rubber Ball Round.

4.4.19. 40mm Multiple Rubber Ball Round (Shortened). This cartridge shall be propelled by smokeless powder and shall contain 32 caliber rubber projectiles. This cartridge shall function in an M203 launcher. Performance shall be equal to or better than Defense Technologies part number 6096 SL, Stinger 32 caliber – 40mm Smokeless Powder Rubber Ball Round.

4.4.20. 40mm Rubber Baton Round. This cartridge shall be propelled by smokeless powder and shall contain three rubber projectiles. The projectiles shall exhibit a velocity of 240-270 feet per second at 5 feet, when launched from a B&T GL-06DHS. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense

DRAFT

Technologies part number 6064, Rubber Baton – 40mm Smokeless Powder Round.

4.4.21. 40mm Rubber Baton Round (Shortened). This cartridge shall be propelled by smokeless powder and shall contain rubber projectiles. The projectiles shall exhibit a velocity of 240-270 feet per second at 5 feet, when launched from an M203 launcher. Performance shall be equal to or better than Defense Technologies part number 6064SL, Rubber Baton – 40mm Smokeless Powder Round.

## 4.5. Crowd Management Projectile Cartridges

4.5.1. 40mm Smokeless Powder Blast (CS). This 40mm cartridge shall instantaneously discharge 12.3 grams of CS chemical agent to approximately 25 feet from the muzzle of the device. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6042 40mm Muzzle Blast Smokeless Powder– CS.

4.5.2. 40mm Smokeless Powder Blast (CS - Shortened). This 40mm cartridge shall instantaneously discharge CS to approximately 25 feet from the muzzle of the device. This cartridge shall function in an M203 launcher. Performance shall be equal to or better than Defense Technologies part number 6042SL, 40mm Muzzle Blast Smokeless Powder– CS.

4.5.3. 40mm Smokeless Powder Blast (OC). This 40mm cartridge shall instantaneously discharge 2.0 grams of OC to approximately 25 feet from the muzzle of the device. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6040, 40 mm Muzzle Blast Smokeless Powder– OC.

4.5.4. 40mm Smokeless Powder Blast (OC - Shortened). This 40mm cartridge shall instantaneously discharge OC to approximately 25 feet from the muzzle of the device. This cartridge shall function in an M203 launcher. Performance shall be equal to or better than Defense Technologies part number 6040SL, 40mm Muzzle Blast Smokeless Powder– OC.

4.5.5. 40mm Smokeless Powder Blast (Practice). This 40mm cartridge shall instantaneously discharge inert smoke to approximately 25 feet from the muzzle of the device. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6043 40mm Muzzle Blast Smokeless Powder– Practice.

DRAFT

4.5.6. 40mm Long Range Canister (CS – Short Range). This 40mm cartridge shall be capable of launching a single canister to a distance of 75 yards. The canister shall discharge approximately 25.2 grams of CS for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6282 40mm Spede-Heat- CS Short Range.

4.5.7. 40mm Long Range Canister (CS). This 40mm cartridge shall be capable of launching a single canister to a distance of 150 yards. The canister shall discharge approximately 25.2 grams of CS for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6182 40mm Spede-Heat- CS.

4.5.8. 40mm Long Range Canister (OC – Short Range). This 40mm cartridge shall be capable of launching a single canister to a distance of 75 yards. The canister shall discharge approximately 7.3 grams of OC for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6280 40mm Spede-Heat- OC Short Range.

4.5.9. 40mm Long Range Canister (OC). This 40mm cartridge shall be capable of launching a single canister to a distance of 150 yards. The canister shall discharge approximately 7.3 grams of OC for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6180 40mm Spede-Heat- OC.

4.5.10. 40mm Long Range Canister (Smoke). This 40mm cartridge shall be capable of launching a single canister to a distance of 150 yards. The canister shall discharge Smoke for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6183 40mm Spede-Heat- Smoke.

4.5.11. 40mm Long Range Canister (Smoke – Short Range). This 40mm cartridge shall be capable of launching a single canister to a distance of 75 yards. The canister shall discharge Smoke for 20 - 40 seconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6283 40mm Spede-Heat- Smoke Short Range.

4.5.12. 40mm Cartridge Four Part Sub-Munitions (CS). This 40mm cartridge shall contain approximately 25.2 grams of CS within four sub-munitions canisters and have a discharge time of 10 - 25 seconds. It shall have an effective range

DRAFT

of 80 - 100 yards. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6172 40mm Skat-Shell- CS.

4.5.13. 40mm Cartridge Four Part Sub-Munitions (Smoke). This 40mm cartridge shall expel inert smoke that has a lower toxicity than Hexachloroethane (HC) within four sub-munitions canisters and that have a discharge time of 10 - 25 seconds. It shall have an effective range of 80 - 100 yards. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6173, 40mm Skat-Shell- Smoke.

4.5.14. 40mm Aerial Warning Munitions (75 Meters). This 40mm cartridge shall travel a distance of approximately 75 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6028WS, 40mm Aerial Warning/Signaling Munition.

4.5.15. 40mm Aerial Warning Munitions (100 Meters). This 40mm cartridge shall travel a distance of approximately 100 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6029WS, 40mm Aerial Warning/Signaling Munition.

4.5.16. 40mm Aerial Warning Munitions (200 Meters). This 40mm cartridge shall travel a distance of approximately 200 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6030WS, 40mm Aerial Warning/Signaling Munition.

4.5.17. 40mm Aerial Warning Munitions (300 Meters). This 40mm cartridge shall travel approximately 300 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6031WS, 40mm Aerial Warning/Signaling Munition.

DRAFT

4.5.18. 40mm Aerial Warning Munitions CS (75 Meters). This 40mm cartridge shall travel a distance of approximately 75 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse 1.8 grams of CS. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6028CS, 40mm Aerial Warning/Signaling Munition – CS.

4.5.19. 40mm Aerial Warning Munitions CS (100 Meters). This 40mm cartridge shall travel approximately 100 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse 1.8 grams of CS. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6029CS, 40mm Aerial Warning/Signaling Munition – CS.

4.5.20. 40mm Aerial Warning Munitions CS (200 Meters). This 40mm cartridge shall travel approximately 200 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse 1.8 grams of CS. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6030CS, 40mm Aerial Warning/Signaling Munition- CS.

4.5.21. 40mm Aerial Warning Munitions CS (300 Meters). This 40mm cartridge shall travel approximately 300 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse 1.8 grams of CS. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6031CS, 40mm Aerial Warning/Signaling Munition- CS.

4.5.22. 40mm Aerial Warning Munitions OC (75 Meters). This 40mm cartridge shall travel approximately 75 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse .32 grams of OC. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6028OC, 40mm Aerial Warning/Signaling Munition – OC.

4.5.23. 40mm Aerial Warning Munitions OC (100 Meters). This 40mm cartridge shall travel approximately 100 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse .32 grams of OC. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06.

DRAFT

Performance shall be equal to or better than Defense Technologies part number 6029OC, 40mm Aerial Warning/Signaling Munition – OC.

4.5.24. 40mm Aerial Warning Munitions OC (200 Meters). This 40mm cartridge shall travel approximately 200 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse .32 grams of OC. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6030OC, 40mm Aerial Warning/Signaling Munition- OC.

4.5.25. 40mm Aerial Warning Munitions OC (300 Meters). This 40mm cartridge shall travel approximately 300 meters before detonating. Upon detonation, it will produce approximately 170 dB at 5 feet and 5 million candelas in 7.5 milliseconds. Upon detonation, it shall disperse .32 grams of OC. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6031OC, 40mm Aerial Warning/Signaling Munition- OC.

4.5.26. 40mm Ground Marker CS (100 meter). This 40mm cartridge shall deliver a CS payload to 100 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6482, 40mm Ground Marker CS 100 meter.

4.5.27. 40mm Ground Marker CS (200 meter). This 40mm cartridge shall deliver a CS payload to 200 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6582, 40mm Ground Marker CS 200 meter.

4.5.28 40mm Ground Marker CS (300 meter).
This 40mm cartridge shall deliver a CS payload to 300 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6682, 40mm Ground Marker CS 300 meter.

4.5.29 40mm Ground Marker OC (100 meter)

DRAFT

This 40mm cartridge shall deliver an OC payload to 100 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6480, 40mm Ground Marker OC 100 meter.

4.5.30 <u>40mm Ground Marker OC (200 meters)</u>
This 40mm cartridge shall deliver an OC payload to 200 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6580, 40mm Ground Marker OC 200 meter.

4.5.31 <u>40mm Ground Marker OC (300 meters)</u>
This 40mm cartridge shall deliver an OC payload to 300 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6680, 40mm Ground Marker OC 300 meter.

4.5.32 <u>40mm Ground Marker Saf-Smoke (100 meters)</u>
This 40mm cartridge shall deliver smoke to 100 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6483, 40mm Ground Marker Saf-Smoke 100 meter.

4.5.33 <u>40mm Ground Marker Saf-Smoke (200 meters)</u>
This 40mm cartridge shall deliver smoke to 200 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6583, 40mm Ground Marker Saf-Smoke 200 meter.

4.5.34. <u>40mm Ground Marker Saf-Smoke (300 meters)</u>

DRAFT

This 40mm cartridge shall deliver smoke to 300 meters by initiating after a one to two second delay and continuing to burn once hitting the ground with a discharge time between 20 to 40 seconds. The projectile shall be 1.6 inches in diameter and 4.75 inches in length. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 6683, 40mm Ground Marker Saf-Smoke 300 meter.

### 4.6. Controlled Noise and Light Distraction Devices

4.6.1. Distraction Device Compact. This distraction device shall be non-reloadable. It shall have a metallic body measuring approximately 1.72 inches in diameter at the widest point and 5.50 inches in length, with exhaust ports located at the top and bottom of the device. It shall be made in a design that restricts the device from freely rolling on a flat service. It shall be equipped with a M201A1 fuze or equivalent with an average 1.5 second delay, containing approximately 11 grams flash powder. After detonation, it will produce 175 dB at five feet with 6 - 8 million candela in 10 milliseconds. Performance shall be equal to or better than Defense Technologies part number 8922 NR, Distraction Device Low Roll II.

4.6.2. Distraction Device Compact "High Humidity". This distraction device shall be non-reloadable. It shall have a metallic body with exhaust ports located at the top and bottom of the device. It shall be made in a design that restricts the device from freely rolling on a flat service. It shall be equipped with a M201A1 fuze or equivalent with an average 1.5 second delay, containing approximately 11 grams flash powder. After detonation, it will produce 175 dB at five feet with 6 - 8 million candela in 10 milliseconds. Performance shall be equal to or better than Defense Technologies part number 8922-HH, Low Roll 11-Gram Non-Reloadable Distraction Device, High Humidity.

4.6.3. Distraction Device Compact Training Body (Blue)
This distraction device training body will be a replica of the Low Roll II Distraction Device. It will be a reusable, non-bursting distraction device body, designed to be used with the Low Roll Distraction Device Training Fuze. Body must colored to be distinguishable from operational devices and be rated for unlimited deployments. Performance shall be equal to or better than Defense Technologies part number 8922T, Low Roll II Distraction Device Training Body.

4.6.4. Distraction Device "Low Roll.". This distraction device shall be non-reloadable. It shall have a metallic body with exhaust ports located at the top and bottom of the device. It shall be made in a design that restricts the device from freely rolling on a flat service. It shall be equipped with a M201A1 fuze or equivalent with an average 1.5 second delay, containing approximately 12 grams flash powder. After detonation, it will produce 175 dB at five feet with

DRAFT

6 - 8 million candelas in 10 milliseconds. Performance shall be equal to or better than Defense Technologies part number 8902 NR, Distraction Device Low Roll.

4.6.5. Distraction Device Reloadable Steel Body. Reusable, non-bursting distraction device body with ports located on the top and bottom, designed to be used with M201A1 fuze. Body must be rated for a minimum of 25 deployments. Performance must be equal to or better than Defense Technologies part number 8933, Distraction Device Low Roll Body.

4.6.6. The Low Roll Reloadable Steel Body. Reusable, non-bursting canister body. The top and bottom ports are designed to ensure equalization of blast pressure to minimize or eliminate movement. The body is designed to reduce rolling when deployed and will accept the 15-Gram, 12-Gram and 4-Gram reloads with an M201A1 type fuze, or the Command Initiated reload. Performance shall be equal to or better than Defense Technologies part number 8933, Distraction Device Reload or the or the Command Initiated reload.

4.6.7. Distraction Device Reload. This distraction device reload shall be equipped with an M201A1 fuze or equivalent with an average 1.5 second delay, containing approximately 12 grams flash powder. After detonation, it will produce 175 dB at five feet with 6 - 8 million candela in 9 milliseconds. The reload will be suitable for use in the Distraction Device Reloadable Steel Body. Performance shall be equal to or better than Defense Technologies part number 8901, Distraction Device Reload.

4.6.8. Command Initiated Distraction Device Reload. This command initiated reload shall be equipped with a 24" lead of Thermo tube for use with additional Thermo tube and initiator. The reload will be suitable for use in the Distraction Device Reloadable Steel Body (4.6.3). It shall contain approximately 12 grams flash powder. It is desired that it produces 175 dB sound stimulus at five feet with 6 – 8 million candelas in 9 milliseconds. Performance shall be equal to or better than Defense Technologies reload, part number 7001CI, Command Initiated Reload.

4.6.9. Distraction Device Training Fuze. This distraction device training fuse shall be an M201A1 type fuze or equivalent with an average 1.5 second delay. After detonation, it will produce 120 dB at five feet with less than 6 - 8 million candelas in 9 $\pm$ 5 milliseconds. The reload will be suitable for use in the Distraction Device Training Body. Performance shall be equal to or better than Defense Technologies part number 1697T, Distraction Device Training Fuze.

4.6.10. Distraction Device Training Body. This distraction device training body will be a replica of the Distraction Device Reloadable Steel Body. It will be a

DRAFT

reusable, non-bursting distraction device with ports located on the top and bottom, designed to be used with the Distraction Device Training Reload. Body must be colored to be distinguishable from operational devices and be rated for a minimum of 25 deployments. Performance must be equal to or better than Defense Technologies part number 8933T, Distraction Device Training Body.

4.6.11. Command Initiator. This device shall be a single starter and capable of use in conjunction with Thermo tube and shotgun primer to initiate Distraction Device Reload. It shall be offered with a knurled grip surface and stainless-steel lanyard to secure safety pin. Performance shall be equal to or better than Defense Technologies part number 7040.

4.7. Ferret Rounds

4.7.1. 40mm Ferret Round (CS Powder). This 40mm cartridge shall be capable of launching a single frangible projectile filled with approximately 2.3 grams of CS powder at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the CS powder on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2292, 40mm Ferret CS Powder.

4.7.2. 40mm Ferret Round (CS Liquid). This 40mm cartridge shall be capable of launching a single frangible projectile filled with approximately 6.9 grams of CS liquid at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the CS liquid on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2262, 40mm Ferret CS Liquid.

4.7.3. 40mm Ferret Round (OC Powder). This 40mm cartridge shall be capable of launching a single frangible projectile filled with approximately .30 grams of OC powder at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the OC powder on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2290, 40mm Ferret OC Powder.

DRAFT

4.7.4. 40mm Ferret Round (OC Liquid). This 40mm cartridge shall be capable of launching a single frangible projectile filled with approximately 4.1 grams of OC liquid at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the OC liquid on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2260, 40mm Ferret OC Liquid.

4.7.5. 40mm Ferret Round (Inert Powder). This 40mm cartridge shall be capable of launching a single frangible projectile filled with Inert powder at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the Inert powder on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2293, 40mm Ferret Practice.

4.7.6. 40mm Ferret (Inert Liquid). This 40mm cartridge shall be capable of launching a single frangible projectile filled with inert liquid at a velocity of approximately 450 fps. The projectile shall be designed to penetrate barriers of glass, particle board, and interior walls. Upon impact of the barrier, the nose cone will rupture and instantaneously deliver the inert liquid on the other side of the barrier. This cartridge shall function in an HK 169, HK 69, HK GLM, and B&T GL-06. Performance shall be equal to or better than Defense Technologies part number 2263, 40mm Ferret (Inert Liquid).

## 4.8. LLSI/CM Training Kits

4.8.1. 10 Student Kit. This kit shall be ordered and delivered as one item and shall include the following items and quantities:

4.8.1.1. Direct Impact 40mm Reloadable 50 Shot Training Kit Quantity: 1

4.8.1.2. 40mm Cartridge Four Part Sub-Munitions (Smoke)
Quantity: 30

4.8.1.3. 40mm Smokeless Powder Blast (Practice)
Quantity: 2

4.8.1.4. 40mm Ground Marker (Smoke/100m)
Quantity: 2

4.8.1.5. 40mm Long Range Canister (Smoke)
Quantity: 2

4.8.1.6. Pocket Tactical Smoke Canister
Quantity: 10

4.8.1.7. Rubber Ball Grenade
Quantity: 10

4.8.1.8. Pocket Tactical CS Canister

DRAFT

Quantity: 2
4.8.1.9. Three Part Sub-Munitions CS Canister
Quantity: 1
4.8.1.10. Non-burning Internal Canister CS Grenade
Quantity: 1
4.8.1.11. Flameless Expulsion Grenade (Inert)
Quantity: 1
4.8.1.12. Instant Blast Powder Grenade (Inert)
Quantity: 1
4.8.1.13. OC Vapor Aerosol Grenade
Quantity: 1

4.8.2. <u>25 Student Kit.</u> This kit shall be ordered and delivered as one item and shall include the following items and quantities:
4.8.2.1. Direct Impact 40mm Reloadable 50 Shot Training Kit Quantity: 1
4.8.2.2. 40mm Direct Impact Sponge Cartridge (Inert)
Quantity: 30
4.8.2.3. 40mm Cartridge Four Part Sub-Munitions (Smoke)
Quantity: 80
4.8.2.4. 40mm Smokeless Powder Blast (Practice)
Quantity: 2
4.8.2.5. 40mm Ground Marker (Smoke/100m)
Quantity: 2
4.8.2.6. 40mm Long Range Canister (Smoke)
Quantity: 2
4.8.2.7. Pocket Tactical Smoke Canister
Quantity: 25
4.8.2.8. Rubber Ball Grenade
Quantity: 30
4.8.2.9. Pocket Tactical CS Canister
Quantity: 2
4.8.2.10. Three Part Sub-Munitions CS Canister
Quantity: 1
4.8.2.11. Non-burning Internal Canister CS Grenade
Quantity: 1
4.8.2.12. Flameless Expulsion Grenade (Inert)
Quantity: 1
4.8.2.13. Instant Blast Powder Grenade (Inert)
Quantity: 1
4.8.2.14. OC Vapor Aerosol Grenade
Quantity: 1

**4.9. Thermal Aerosol Fog Solutions**

DRAFT

4.9.1. Liquid CS Solution. This solution shall come in 1-quart containers and be capable of operating in a thermal fogger. The solution shall contain 13% CS Concentration. Performance shall be equal to or better than Defense Technologies part number 4010, CS Thermal Aerosol Fog.

4.9.2. Liquid Smoke Solution. This solution shall come in 1-quart containers and be capable of operating in a thermal fogger. The solution shall contain Inert White Smoke Concentration. Performance shall be equal to or better than Defense Technologies part number 4040, Smoke Thermal Aerosol Fog.

4.9.3. Liquid Smoke Solution. This solution shall come in 1-gallon containers and be capable of operating in a thermal fogger. The solution shall contain Inert White Smoke Concentration. Performance shall be equal to or better than Defense Technologies part number 4041, Smoke Thermal Aerosol Fog.

4.9.4. Flush Mix Solution. This solution shall come in 1-quart containers and be capable of cleaning a thermal fogger. The solution shall contain Flush Mix Concentration. Performance shall be equal to or better than Defense Technologies part number 4050, Flush Mix.

4.9.5. Liquid OC Solution. This solution shall come in 1-quart containers and be capable of operating in a thermal fogger. The solution shall contain .7% Capsaicinoids Concentration. Performance shall be equal to or better than Defense Technologies part number 4060, OC Thermal Aerosol Fog.

## 4.10. Respiratory Protection

4.10.1. Respiratory Protection Mask. This mask shall be designed and approved for use as a non-CBRN respiratory device and shall provide user protection in contaminated environments that contain solid and liquid respirable particles, gases, and vapors. It shall accept the CTCF50 canister filter and shall feature a communication port, left or right-hand filter mount. It shall be compatible with a clear outsert, and a multi-spectrum laser protective outsert or insert. Performance shall be equal to or better than the Avon PC50, Protective Mask.

4.10.2. Respiratory Protection Mask. This mask shall be designed and approved as NIOSH certified under 42CFR84. It shall allow for an electronic communication port for integrated voice projection and radio communication and a VPU to provide the user with the ability to communicate while wearing the mask. It shall also incorporate a VREU lever to simply toggle between negative and positive pressure modes. It shall accept the CTCF50 canister filter and shall feature a communication port, left or right hand filter mount, a clear outsert, and a multi-spectrum laser protective outsert. Performance shall be equal to or better than the Avon FM53, Protective Mask.

DRAFT

4.10.3. Respiratory Protection Mask. This mask shall be designed and approved as NIOSH certified under 42CFR84. It shall allow for an electronic communication port for integrated voice projection and radio communication and a VPU to provide the user with the ability to communicate while wearing the mask. It shall also incorporate a robust lever to simply toggle between negative and positive pressure modes. It shall accept the CTCF50 canister filter and shall feature a communication port, left or right hand filter mount, a clear outsert, and a multi-spectrum laser protective outsert. Performance shall be equal to or better than the Avon FM54, Protective Mask.

4.10.4. Clear Outsert. This outsert shall be compatible with gas masks outlined in sections 4.10.1, 4.10.2, and 4.10.3. It shall be constructed of a flexible polycarbonate that is scratch resistant. Performance shall be equal to or better than the Avon Clear Outsert, #70501-156.

4.10.5. Multi Spectrum Laser Outsert. Laser protective outserts or inserts shall be compatible with gas masks outlined in sections 4.10.1, 4.10.2, and 4.10.3. It shall be constructed of a flexible polycarbonate that is scratch resistant.

4.10.6. Respiratory Protection Canister. This filter shall be capable of removing aerosols, particulate matter, smoke, fumes, and vapors from breathed air. It shall be specifically designed to remove CS and OC. Performance shall be equal to or better than the Avon CTCF50 Riot Control Canister, 72606/3.

4.10.7. Respiratory Protection Mask Pouch. This shall be a black pouch constructed of 1000 denier nylon capable of storing the respiratory protection mask. It shall feature a drop leg design that contains quick release buckle(s) to remove the pouch from the belt. The pouch shall be secured by side-release buckles and hook and loop closure system.

## 5. ADMINISTRATIVE REQUIREMENTS

### 5.1. Quality Control and Quality Assurance

5.1.1. No changes in design of any device or accessory shall take place without the prior approval of the COR and the CO.

5.1.2. Devices and accessories which fail any portion of the vendor's (including manufacturers) QC processes shall be rejected and not shipped. No further attempts shall be made to correct or otherwise remediate a device or accessory which has failed any portion of the QC testing, for purposes of delivery.

5.1.3. The Government may conduct periodic random Quality Assurance (QA) testing of devices and/or accessories produced, to ensure items meet performance requirements for which the contract was awarded.

DRAFT

5.1.4. QA may or may not be conducted by Government personnel at a government owned facility.

5.1.5. Devices and/or accessories which fail QA testing may be sent back to the vendor, at no cost to the Government, and replaced with an equal amount of new supplies. If a second or subsequent failure (for the same test) occurs within the same batch, this will be considered a batch failure. The vendor shall be notified by the COR, in writing, of the nature of the failure, defect, or deficiency and the vendor shall replace the entire batch at no cost to the government.

5.1.6. Vendor shall take corrective action within seven (7) calendar days of written notification of any non-conformance. Corrective action shall include shipping of replacements for all defective, deficient, or suspect devices and/or accessories. The vendor shall also provide a written failure analysis plan to the COR within 7 calendar days of written notification. A completed failure analysis report, to include preventative measures, shall be submitted to the COR within 60 calendar days of notification of non-conformance.

## 5.2. Warranties

5.2.1. Vendor shall warrant all products contained in this contract to be free of defects. Vendor further warrants that the product conforms to all applicable requirements as outlined within this Statement of Work and guarantees that the product will maintain useful shelf life under reasonable storage conditions (both CONUS and OCONUS) for a period of five (5) years from the date of product acceptance.

5.2.2. The vendor shall provide to the COR a single point of contact (including name, phone number, and email address) who will handle all warranty claims occurring under this contract.

5.2.3. The vendor shall utilize FEDEX, UPS overnight, or other trackable next day service for all warranty shipments to the government. Exemptions, such as ground service or freight, may be authorized by the COR on a case-by-case basis. All shipping charges associated with warranty claims (both to and from the Government) shall be the vendor's responsibility.

## 5.3. Government Access of Contractor's Facility

5.3.1. The vendor shall permit the Government to conduct quality control inspections of the vendor's facility (including production facility) to ensure consistency of manufacture and quality of products ordered and delivered.

5.3.2. The authorized inspection team shall be identified in writing by the COR or the CO.

DRAFT

5.3.3. The minimum advance notice of inspection shall be three business days.

5.3.4. Inspections may include all aspects of manufacturing, testing, quality control, and packaging.

**5.4. Production Capacity**

5.4.1. The Government reserves the right to verify the company's ability to produce at an acceptable level in accordance with the requirements prior to the issuance of any delivery order.

**5.5. Distribution Authorization**

5.5.1. With proposal submission, the vendor (if not the manufacturer) shall provide a letter(s) from the manufacturer(s) indicating it is an authorized distributor/retailer of all device(s) and their accompanying accessories. Unauthorized distributors and retailers are unacceptable and will not be considered.

**5.6. Shipping**

5.6.1. All items are to be shipped Freight on Board (FOB) Destination.

5.6.2. Shipping locations may be centralized or may include individual locations throughout CONUS.

5.6.3. Shipping methods for each location may be specified by CBP at the delivery order level and may vary depending on location, quantity of items, and receiver's ability to handle freight shipments.

5.6.4. All shipments shall be trackable. Tracking information shall be provided to the COR (or designate) upon request.

**5.7. Packaging**

5.7.1. Material shall be packaged, packed and marked for shipment in such a manner that will ensure acceptance by common carriers and safe delivery at destination.

5.7.2. Pallets and associated packaging, when used for shipping, shall be stackable, allowing for a second complete pallet to be placed on top of a first complete pallet, without structural problems or damage to the contents of either pallet.

DRAFT

5.7.3. Individual pallets shall consist of containers that are identical in size and shape in order to maintain the integrity of the shipment and ensure pallets are stackable.

5.7.4. Each pallet shall be clearly identified on the outer wrapping with the following information:

- Contract number
- Delivery/task order number
- Part/Model numbers of all items contained within that pallet
- Material Data Sheets for all items contained within that pallet

5.7.5. All individual containers within a shipment shall be clearly identified on the outside of the container with the printed manufacturer part/model numbers and a short description of the item contained within. The labels shall also contain the quantity of each individual part/model number.

5.7.6. Individual non cardboard containers holding a single part/model number shall be easily identifiable by one consistent color. Individual non cardboard containers holding multiple part/model number shall be identifiable by a different consistent color.

5.7.7. Individual cardboard containers holding multiple part/model numbers shall be easily identifiable by a application of a highly visible label/placard/sticker on the side of the container facing out when palletized.

## 5.8. Vendor Performance Conferences

5.8.1. Within 30 days of contract award, the vendor shall host a pre-production meeting telephonically or in person at the governments discretion.

5.8.2. CBP and the vendor may meet in person once per year, commencing six months after production begins and continuing approximately every year thereafter. These performance conferences are to discuss contract issues, review technical and financial status of the contract, discuss vendor and Government performance, and to resolve any issues or problems as they may arise.

5.8.3. Government attendees may include the Contracting Officer, Contract Specialist, COR, representatives from the CBP components, and LESC subject matter experts.

## 5.9. Reporting Requirements

5.9.1. A delivery order report should be sent to the COR of the contract on a bi-annual basis, or at the request of the COR. The report should include a cumulative line-item Excel spreadsheet of all delivery orders and include the following:

DRAFT

- Name of purchasing agency/group
- Delivery order number
- Unit cost
- Quantity of units on the delivery order
- Value of delivery order
- Current quantity of units shipped
- Remaining number of units to be shipped; and
- **Total dollar amount spent against the contract to date**

5.9.2. Warranty Work Report should be sent to the COR of the contract on a quarterly basis (31 December, 31 March, 30 June, 30 September). The report should include a line-item summary of all warranty activity, as well as, the numerical totals of claims received, total completed, and the average number of days required for completion. It shall be categorized by agency, purchasing group, or ordered chronologically by the date the vendor received notification. Each line in the report shall contain the following information:

- Return merchandise authorization (RMA) #
- Date vendor was notified
- Date corrected item was shipped to vendor
- Brief statement of problem
- Brief statement of solution; and
- Date shipped back to the Government

**5.10 Media Statements**

5.10.1 All press/media statements and releases related to the contract shall receive advanced written approval by the Contracting Officer and COR.

## 6. DELIVERABLES AND DELIVERY SCHEDULE

6.1. Orders shall be delivered to the addresses attached to a delivery location spreadsheet provided at time of award of the contract/delivery order. The government reserves the right to modify shipping locations up to the time a shipment leaves the vendor/manufacture's location.

6.2. Items are to be shipped within 60 days after receipt of order (ARO) or immediately upon ATF Approval for those items requiring such.

6.3. The vendor shall provide notice of shipping immediately upon the product leaving the vendors facility. Notification shall be sent to the COR or their designate, and to the local recipient for each shipping location via email. The local recipient's name and contact information will be included on the delivery

DRAFT

location spreadsheet that will be provided at the award of the contract/delivery order.

6.4. The vendor shall provide a list of serial numbers by item type and shipping location for all controlled items that require serialization by the ATF. This list shall be in Excel format and shall be sent to the COR or their designate immediately upon shipment via email.

## 7. PERIOD OF PERFORMANCE

7.1.1. The ensuing contract will have a five (5) year period of performance from date of award of contract.

## 8. SECURITY

8.1. All work under this SOW is unclassified but may require secure handling of information designated as FOUO and/or personally identifiable information (PII).

8.2. Vendor personnel who will perform work on the contract may be required to execute a non-disclosure agreement which must be delivered to the COR prior to commencing work in accordance with DHS policy for safeguarding FOUO information.

DRAFT