

Annex C
Evaluation Grid
Flashlight, General Duty and Accessories

Company Name and Product:

Mandatory Evaluation: Responsive Non-responsive

Comments:

Mandatory Requirements - Technical

Para. #	Requirement	Evaluation Method	✓ Compliant ✗ Non-Compliant
5.2.1	Workmanship The items covered by this purchase description must be free from material and manufacturing defects that may affect their safety, appearance, functionality, or serviceability.	Visual	
5.2.4	Interoperability – The flashlight must be compatible with all accessories provided.	Physical assessment	
5.2.5	Labelling – The flashlight packaging must be labelled with ANSI/PLATO ratings icons. The flashlight packaging and all packaging for the accessories must be labelled with the manufacturer’s number, stock number, and standing offer number. Packaging and labelling must be available in English and French.	Visual A mock up label may be provided for this requirement	
5.3.1	Lighting a) Beam Distance – The minimum beam distance must be 15 m.	ANSI/PLATO FL-1 2019 Test Report or Certificate from Laboratory	
	b) Light Output – Minimum 700 lumens with a minimum run time of 1.5 hours when tested in accordance with ANSI/PLATO FL-1 2019.	ANSI/PLATO FL-1 2019 Test Report or Certificate from Laboratory	
	c) Power Source – The flashlight must be compatible with both rechargeable and non-rechargeable battery options. Battery options, and applicable charging accessories, must be included. Batteries must be rated for high drain devices; lithium or lithium ion batteries are required. Flashlights with proprietary power sources must also be capable of operating with commercially available generic batteries.	Physical assessment	
5.3.2	Equipment Integration The flashlight must allow for single handed operation in order to be compatible with pistol shooting techniques. Flashlights with clips along the side of the body are acceptable. If the flashlight has a clip, it must be compatible with the supplied holster and must not interfere with use of the grip ring.	Physical Assessment	

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5.3.3	Waterproof The flashlight must have a minimum water proof rating of IPX7 (submersion at 1 meter for 30 minutes).	ANSI/PLATO FL-1 2019 Test Report or Certificate from Laboratory	
5.3.4	Impact Resistance The flashlight must have a minimum impact resistance rating from a 1 m drop height.	ANSI/PLATO FL-1 2019 Test Report or Certificate from Laboratory	
5.4.1	Colour The Flashlight, General Duty must be black in colour. The finish must be non-reflective.	Visual	
5.4.2	Dimensions The bezel diameter must be between 1"-1.575", and the total length must be between 4.5"-6".	Measurement with ruler	
5.4.3	Weight The Flashlight, General Duty, including batteries, must not exceed 6.0 oz.	Weigh on scale	
5.4.4	Switch and Settings The power switch (on/off) must be raised and on the tail end of the flashlight. Additional switches or buttons do not meet the requirement.	Visual	
	The flashlight must have a single lighting mode. Programmable flashlights do not meet the requirement. Adjustable brightness and strobe functions do not meet the requirement.	Visual	
5.4.5	Grip Ring The flashlight must have a grip ring encircling the outer circumference of the flashlight body.	Visual	
	The grip ring must be either fixed or moveable.	Physical assessment	

Para. #	Requirement	Evaluation Method	<input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant
	The raised surface of the grip ring must not exceed 0.5 cm in height when measured from the body of the flashlight.	Measurement with ruler	
	The grip ring must have a non-slip surface.	Physical assessment	
5.4.6	Grip Surface The surface of the flashlight body must provide grip with gloved or ungloved hands in wet conditions. The grip surface must be permanent. In wet conditions the grip surface must not become slippery.	Letter of attestation	
5.4.7	Lens The flashlight lens must be recessed to prevent scratching.	Visual	
	The lens must be anti-shatter and abrasion resistant.	ANSI/PLATO FL-1 2019 Test Report or Certificate from Laboratory	
5.4.8	Wrist Strap Flashlights with wrist straps are not acceptable and do not meet this requirement.	Visual	
Holster			
5.4.9.1	Corrosion-resistance All metals must be corrosion-resistant to moisture and humidity. Where coatings are used on high impact or high abrasion areas, underlying materials must be corrosion-resistant.	Letter of Attestation	
5.4.9.2	The bulb must be a white LED; additional colour filters must not be provided.	Visual	
Holster			
5.5	Operational Requirements The holster must be designed to prevent the power switch from depressing and turning on the flashlight while stored. Flashlights which activate when worn on the duty belt do not meet the requirement.	Visual Physical assessment with belt	

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5.5.1	Holster Tube The flashlight holster tube must be a molded one-piece construction or a multi-piece construction tube. All holster pieces must be permanently bonded and the seams must be fully sealed.	Visual	
	The bottom of the holster tube must have a hole for drainage.	Visual	
5.5.2	Retention Mechanism The holster must hold the flashlight securely. The holster tube must have a friction fit retention mechanism to prevent the flashlight from falling out of the holster while walking, running, jumping, or performing typical law enforcement duties. The retention mechanism must allow for instantaneous draw. Holsters with straps or other mechanisms which result in a multi-step draw do not meet the requirement.	Visual Physical assessment	
5.5.3	Swivel Mechanism If the holster has a swivel mechanism, the rotation must be permanently limited to 180 degrees or less. Holsters that allow for more than 180 degrees of rotation do not meet the requirement. At minimum, the swivel mechanism must lock in place in the vertical position, 45 degrees left and right of the vertical position and 90 degree left and right of the vertical position. The swivel mechanism must have sufficient strength to remain locked in position at the chosen angle when the user is walking, running, jumping, or performing typical law enforcement duties.	Visual Physical assessment	
5.5.4	Belt Attachment The holster must attach to the duty belt with a closed loop slide attachment or a clamping device that will secure the holster to the duty belt and prevent it from sliding on the belt. Open ended clips which rely on a friction fit to secure the holster to the belt do not meet the requirement. The belt attachment must be compatible with a standard 5.0-5.7 cm wide duty belt and must accommodate belt thicknesses from 3-5 mm.	Visual Physical assessment with belt	
5.5.5	Colour The holster must be black in colour with no reflective components.	Visual	
5.5.6	Dimensions The maximum width across the flashlight holster at any point is 5.5 cm. The maximum depth from the front to the back of the flashlight holster must not exceed 7 cm at any point.	Measurement with ruler	

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5.5.7	Materials The holster must be constructed from a durable rigid polymer material. Holsters constructed from textiles or other soft materials do not meet the requirement.	Component data sheet	