

Section IX. Test and Acceptance Procedure

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TEST AND ACCEPTANCE PROCEDURES FOR SQUAD ROCKET LAUNCHER LIGHT AND THE REQUIRED AMMUNITION (Country of Delivery)

A. VISUAL INSPECTION:

SPECIFICATIONS	PARAMETERS	COMPLIED	NOT COMPLIED	REMARKS
a. Caliber	The caliber of Squad Rocket Launcher Light must be 40mm.			
b. Barrel	The barrel must be standard smooth bore. The steel must be 4140 minimum and chrome plated.			
c. Length	The overall length should not be more than 1.0m.			
d. Weight	The overall weight should not be more than seven (7) kg including the optical sight and bipod.			
e. Markings	Each squad rocket launcher light should have its own unique serial number and its date of manufacture.			
f. Bipod	It must be attachable and detachable to the RLL and its legs must be telescopic.			
Capable of launching the following ammunitions:	It can fire a variety of warheads for Anti-Personnel, Anti- Tank, Thermobaric, Fragmentation and Tandem Charges.			
Muzzle velocity	The muzzle velocity must be at least 100 m/s			
Rate of fire	The squad rocket launcher light must be able to fire at least 4 rds per minute.			

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Range	The iron sight must be able to see the target at a distance of at least 500 meters. The optical sight must be able to see the target at a distance of 100 to 2000 meters.			
Trigger Pull	The trigger pull must be adjustable to 5lbs			
Safety Range	The safety range should not be more than 25m.			
Area of rearward blast	The rearward blast should have a maximum distance of thirty (30) meters at a maximum angle of 70 degrees.			
Sturdiness	The Squad Rocket Launcher Light must be able to operate in all kinds of terrain and adverse conditions.			
Service Life	It must be able to fire more than 1,000 rounds			
Anti-cook-off	It must not cook-off when firing 4 rounds in one minute.			
Individual Spare Parts Tools and Accessories. (1 Set per Weapon)	Each Squad Rocket Launcher Light must have the following accessory/item:			
	Sling			
	Cleaning rod			
	Rod with washer			
	Cover with Belt			
	Backpack for 3 rounds of ammunition, 2pcs			
	Tool for assembling and disassembling of firing mechanism			

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	Key-screwdriver			
	Drift			
	Striker, 2pcs			
	Striker spring, 2pcs			
	Nipple			
	Bushing, 2pcs			
	Nozzle			
Set of Spare Parts Tools and Accessories for every 9 weapons	For every 9 weapons, a wooden crate with a set of following SPTA:			
	Striker, 3pcs			
	Bushing			
	Striker spring, 3pcs			
	Nipple			
	Lap assembly 2pcs			
	Handle with nut			
	Handle with washer			
	Front ring			
	Rear ring			
	Right handle			
	Left handle			
	Spring			
	Catch spring			
	Sight testing device (cold zeroing device)			
	Cleaning rod			
	Spanner-screwdriver			
	Drift			
	Tool for assembling/disassembling of firing mechanism			
OPERATORS MANUAL	Each Squad Rocket Launcher Light must have an Operators Manual (one printed and one e-copy) in English Language that provide operating instructions, unit level preventive and corrective maintenance procedures as applicable. Another Operating Manual (one printed and one e-copy)			

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	in English Language for each training device and optical sight.					
Painting of Squad Rocket Light Launcher	The paint of all Squad Rocket Launcher Light should be similar to Philippine Marine Corps weapons.					
Marking of Squad Rocket Light Launcher	All SRLI should be marked with an engraved "AFP Property" and individual serial number in addition to the manufacturer's label.					
Packing of Squad Rocket Light Launcher	The packing must be in the following measurements:					
	Dimension (mm)	Volume (mm)	Weight (kg)			
Wooden case with 9 weapon and box SPTA sets for 9 weapons	1240x640x40	0.349	103			
Wooden Case with individual SPTA set	1520x630x400	0.380	62			
Wooden case with optical sights	102x640x325	0.212	68			

OPERATIONAL/PERFORMANCE TESTS:

SPECIFICATIONS	PARAMETERS	COMPLIED	NOT COMPLIED	REMARKS
Squad Rocket Launcher Light	The SRLI, when placed on a level platform, must be stable and immovable.			
	It must be able to fire at least three types of ammunition: HE, HEAT and Thermobaric.			
	It must be able to hit the 1mX1m target twice at a distance of 100m when firing 2 shots each of HE, HEAT, and Thermobaric ammunitions.			

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Optical Sight Mechanism	The Optical sight must have the following:			
	Magnification: must be at least 2.7x			
	Field of View: Must be at least 13 Degrees			
	Resolution: Must be at least 19 minutes at angular measurement			
	Range (direct aim): Must be 50 to 500 meters			
	Range (Elevation): Must be 100 to 2000 meters			
	Sight Adjustment: The elevating mechanism must be adjustable to an angle of elevation of at least 30 degrees.			

TEST METHODS FOR SQUAD ROCKET LAUNCHER LIGHT				
No	Number of tests	Inspection/Test type	Inspection/ Test Conditions	Requirements Assessment Criteria
1.	100 %	Visual inspection of the packing and package marking	Visual inspection of the package appearance	The availability of the following markings is checked: - Article name - Quantity - Gross weight - Net weight - Case No.
			Package should correspond to the requirements	All required markings must be available. All markings must be legible and indelible.
2.	1% of the Batch, but not less than 1 weapon	Inspection of the weapon appearance	Inspection of the weapon.	Defects on the metal parts - corrosion, scratches, dents, rough and sharp edges on the

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				surface are not allowed. All protective coatings on the metal parts and assemblies should be robust and entirely without scratches and damages.
3.	1 % of the Batch, but not less than 1 weapon	Function and casualty test	<ul style="list-style-type: none"> - The grenade launcher shall be fixed immovably on a stand. The stand shall be positioned on the firing position. - The aiming point is a dot not bigger than 15cm in diameter in the middle of a 1mx1m-sized target positioned at distance of 100m from the muzzle of the SRLL. The sights to be used for the test will be the iron sight and the optical sight. - The first firing order will be with the use of iron sights. One shot each of HE, HEAT, and Thermobaric will be done on iron sights. - The second firing order will be with the use of the optic sights. One shot each of HE, HEAT, Thermobaric will be done on optic sights. - All firing will be 	<ul style="list-style-type: none"> - Atleast two (2) hit on the target. - No stoppages during firing.

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			performed on ambient temperature and with wind velocity not exceeding 5 m/s.	
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TEST AND ACCEPTANCE PROCEDURES FOR SQUAD ROCKET LAUNCHER LIGHT AMMUNITION (Country of Origin)

1. In Accordance with the Manufacturer’s Test and Acceptance Procedure inclusive of its criteria on acceptability and rejection in the form of checklists duly explained by the manufacturer to the procuring entity.
2. The proponents are required to submit their Manufacturer’s TAP for this Purpose upon SOBE.

Name of Company (in print)

Signature of Company Authorized Representative

Name & Designation (in print)

Date

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