



SALW Guide Global distribution and visual identification

Madagascar

Country report

https://salw-guide.bicc.de

Weapons Distribution

The following list shows the weapons which can be found in *Madagascar* and whether there is data on who holds these weapons:

AK-47 / AKM	G
АК-74	U
Browning M 2	G
DShk	G
MAS 49	U
MAS 49/56	U

MAT 49	G
Makarov PM	U
RPG 2	U
RPG 7	G
Simonov SKS	U
Tokarev TT-30/TT-33	U

Explanation of symbols

	Country of origin
==	Licensed production
ť	Production without a licence
G	Government: Sources indicate that this type of weapon is held by Governmental agencies.
Ν	<i>Non-Government</i> : Sources indicate that this type of weapon is held by non-Governmental armed groups.
U	<i>Unspecified</i> : Sources indicate that this type of weapon is found in the country, but do not specify whether it is held by Governmental agencies or non-Governmental armed groups.

It is entirely possible to have a combination of tags beside each country. For example, if country X is tagged with a G and a U, it means that at least one source of data identifies Governmental agencies as holders of weapon type Y, and at least one other source confirms the presence of the weapon in country X without specifying who holds it.

Note: This application is a living, non-comprehensive database, relying to a great extent on active contributions (provision and/or validation of data and information) by either SALW experts from the military and international renowned think tanks or by national and regional focal points of small arms control entities.

AK-47 / AKM

The AK 47 (Designed 1946-1948) is best described as a hybrid of previous rifle technology innovations: the trigger, double locking lugs and unlocking raceway of the M1 Garand/M1 carbine, the safety mechanism of the John Browning designed Remington Model



8 rifle, and the gas system and layout of the Sturmgewehr 44. There are many variants. The weapons are used by the former Warsaw Pact countries, and they are still in service with numerous armed forces, both regular and irregular. The model and its variants remain the most popular and widely used rifles in the world because of its reliability under harsh conditions, low production costs.

Category	Assault Rifles
Operating system	Gas operated, rotating bolt with 2 lugs
Cartridge	7.62 x 39mm
Length	870 mm
Feeding	Box magazine

The following ammunition can be used by the AK-47 / AKM:

7.62 x 39mm

Bullet diameter	7.92 mm
Case length	38.7 mm
Overall length	56 mm



AK-74

The AK 74 (Designed 1974) is an adaptation of the 7.62mm AKM assault rifle and features several important design improvements. These modifications were primarily the result of converting the rifle to the intermediatecaliber 5.45x39mm cartridge, in fact, some



early models are reported to have been converted AKMs, with the barrel re-sleeved to

5.45x39mm. The result is a more accurate and reliable rifle than the AKM. The AK-74 and AKM share an approximate 50% parts commonality (interchangeable are most often pins, springs and screws). There are many variants. The weapons are used by the former Warsaw Pact countries, and they are still in service with numerous armed forces, both regular and irregular. The model and its variants remain the most popular and widely used rifles in the world because of its reliability under harsh conditions, low production costs.

Category	Assault Rifles
Operating system	Gas operated, rotating bolt with 2 lugs
Cartridge	5.45 x 39mm
Length	943 mm
Feeding	Box magazine

The following ammunition can be used by the **AK-74**:

5.45 x 39mm

Bullet diameter	5.6 mm
Case length	39.82 mm
Overall length	57 mm



Browning M 2

The Browning .50 caliber machine gun has been used extensively as a vehicle weapon and for aircraft armament. The M2 fires from a closed bolt, operated on the short recoil principle. Nearly 5 million items were produced.



Category	Heavy Machine Guns	
Operating system	Fires from a short bolt, operated on the short recoil principle	
Cartridge	12.7 x 99 mm NATO (.50BMG)	
Length	1650 mm	
Feeding	Belt	

The following ammunition can be used by the **Browning M 2**:

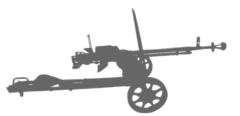
12.7 x 99 mm NATO (.50BMG)

Bullet diameter	13 mm
Case length	99 mm
Overall length	138 mm

NO IMAGE

DShk

The DShk was exported to many countries, and it can be found all over the world because the gun is used in many conflicts. The weapon was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa.



Category	Heavy Machine Guns
Operating system	Gas operated, belt fed, air cooled, selective fire
Cartridge	12.7 x 108 mm
Length	1625 mm
Feeding	Belt

The following ammunition can be used by the **DShk**:

12.7 x 108 mm

Bullet diameter	12.98 mm
Case length	108 mm
Overall length	147.5 mm

NO IMAGE

MAS 49

The MAS-49 is a French semi-automatic rifle that replaced various bolt action rifles as the French service rifle. The MAS-49 and MAS 49/56 use a direct gas impingement system with no gas piston. In this system gas is vented from a port on top of the barrel and piped directly into an



open cylindrical hollow located in front and on top of the bolt carrier. The system has the advantage of not depositing gas fouling on the bolt itself, a separate part located underneath the bolt carrier. Many MAS-49/56 rifles were imported as surplus in the USA and had been rechambered to fire the 7.62x51mm NATO round.

Category	Rifles & Carbines
Operating system	Gas operated, tilting bolt
Cartridge	7.5 x 54mm
Length	1100 mm
Feeding	Box magazine

The following ammunition can be used by the **MAS 49**:

7.5 x 54mm

Bullet diameter	7.8 mm
Case length	54 mm
Overall length	78 mm



MAS 49/56

The MAS-49 is a French semi-automatic rifle that replaced various bolt action rifles as the French service rifle. The MAS-49 and MAS 49/56 use a direct gas impingement system with no gas piston. In this system gas is vented from a port on top of the barrel and piped directly into an open cylindrical hollow located in front and on top of the bolt carrier. The system has the advantage of not depositing gas fouling on the bolt itself, a separate part located



underneath the bolt carrier. Many MAS-49/56 rifles were imported as surplus in the USA and had been rechambered to fire the 7.62x51mm NATO round.

Category	Rifles & Carbines
Operating system	Gas operated, tilting bolt
Cartridge	7.5 x 54mm
Length	1020 mm
Feeding	Box magazine

The following ammunition can be used by the MAS 49/56:

7.5 x 54mm

Bullet diameter	7.8 mm
Case length	54 mm
Overall length	78 mm



MAT 49

For some 30 years, the MAT 49 was widely used by French military and police forces; it was used throughout the Indochinese and Algerian campaigns. The weapon can still be encountered in former French colonies in Africa and Indochina. It should be noted that North Vietnam once produced a local copy of the MAT 49, chambered for 7.62mm TT rounds. MAT 49s



manufactured for police forces, had two triggers, allowing use of full-auto fire or single shots, but most were manufactured as full-auto only.

Category	Submachine Guns
Operating system	Blowback-operated, fired from open bolt
Cartridge	7.62 x 25mm Tokarev 9mm Parabellum (9 x 19mm)
Length	404 mm
Feeding	Box magazine

The following ammunition can be used by the **MAT 49**:

7.62 x 25mm Tokarev

Bullet diameter	7.8 mm
Case length	25 mm
Overall length	34 mm



9mm Parabellum (9 x 19mm)

Case length	19.15 mm
Overall length	29.69 mm



Makarov PM

The PM has a free-floating firing pin, with no firing pin spring or firing pin block. This allows for the possibility of accidentally firing if the pistol is dropped on its muzzle. It is a simple and sound design, which is considered to be one of the best compact self-defense pistols of its time. While not extremely accurate and lethal at ranges beyond 15-20 meters, it is still a formidable and reliable self-defense weapon. In the former Yugoslavia, the Makarov was produced under license as a commercial export-only version also in caliber 9x17mm (.380 ACP) and 7.65x17mm.

Category	Self-Loading Pistols & Revolvers
Operating system	Blowback operated, double action
Cartridge	9mm Makarov (9.2 x 18mm)
Length	161 mm
Feeding	Box magazine

The following ammunition can be used by the Makarov PM:

9mm Makarov (9.2 x 18mm)

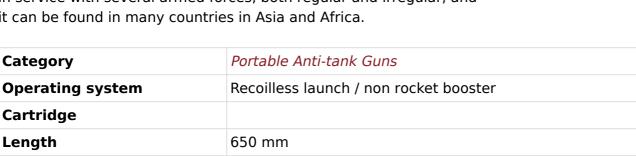
Bullet diameter	9.27 mm
Case length	18.1 mm
Overall length	25 mm



RPG 2

The RPG 2 design is based on the German Panzerfaust anti-tank weapon developed during World War II. It was made under license by many companies in many countries (e.g. the B-40 in Vietnam), it was exported to many countries, and it can be found all over the world because the gun is used in many conflicts. The weapon was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa.

front-loaded



The following ammunition can be used by the **RPG 2**:

RPG 7

Feeding

The RPG 7 was made under license by many companies in many countries, it was exported to many countries, and it can be found all over the world because the gun is used in many



conflicts. The weapon was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa.

Category	Portable Anti-tank Guns
Operating system	Recoilless launch + rocket booster
Cartridge	
Length	650 mm
Feeding	front-loaded, manual reload

The following ammunition can be used by the **RPG 7**:

Simonov SKS

SKS is a self-loading Carabine. It utilizes a shortstroke gas piston with its own return spring, and a tilting bolt locking, where a bolt tips down to lock onto the floor of the receiver. Charging handle is attached to the right side of the bolt carrier and moves when gun is fired. Safety switch is located inside the trigger guard. The early model 50



weapons are shorter and are usually found without the bayonet. The SKS was an extremely reliable, simple constructed weapon with two unique distinguishing characteristics: a permanently attached folding bayonet, and a hinged non-detachable magazine. However, it was incapable of fully automatic fire and limited by its ten round magazine capacity, and was rendered obsolescent by the introduction of the AK-47 in the 1950s. The SKS was only briefly a standard infantry weapon in front-line units of the Soviet Armed Forces before being replaced by the AK-47 . The weapon was in service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa. The SKS remains popular on the civilian market as a hunting and marksmanship arm in many countries, including the United States and Canada.

Category	Rifles & Carbines
Operating system	Gas operated, tilting bolt
Cartridge	7.62 x 39mm
Length	1020 mm
Feeding	Box magazine

The following ammunition can be used by the **Simonov SKS**:

7.62 x 39mm

Bullet diameter	7.92 mm
Case length	38.7 mm
Overall length	56 mm



Tokarev TT-30/TT-33

The TT looks like the Browning FN 1903, and the mechanism is similar to the Colt M1911. In Hungary, the TT was modified and produced for export to Egypt in caliber 9mm and with a safety lock. For its time, the Tokarev TT was a formidable weapon, with good penetration and effective range. It was of good reliability and easy to maintain. What it lacked most, was the manual safety and its grip shape was not too comfortable. It was in



service with several armed forces, both regular and irregular, and it can be found in many countries in Asia and Africa.

Category	Self-Loading Pistols & Revolvers
Operating system	Short recoil operated, closed breech, single action, semi-automatic
Cartridge	7.62 x 25mm Tokarev
Length	194 mm
Feeding	Box magazine

The following ammunition can be used by the **Tokarev TT-30/TT-33**:

7.62 x 25mm Tokarev

Bullet diameter	7.8 mm	
Case length	25 mm	
Overall length	34 mm	



Tagging of Sources

We believe that our Guide should be as transparent as possible without endangering the confidentiality of our sources. Rather than name the exact source for each unit of data, we have created tags so that users can at least know whether the data comes from a primary or secondary source, and by which medium it can or has been found. All incoming data is validated and then tagged by the project team at BICC before it enters our database.

Sources are tagged according to the following criteria:

1. Primary Sources:

These are presentations of facts. They are proof of an SALW event (e.g. a transfer, sighting, misuse, etc.) because the source was created at the time of the event itself. Primary sources as usually original documents such as transfer authorizations, firearms legislation, or academic journals presenting results of a study on SALW holdings in a particular country, for example. However, they can also be information offered by a person with direct knowledge of an SALW event or who has documented an SALW event at the time that it happened.

2. Secondary Sources:

These are interpretations or evaluation of facts. Secondary sources contain commentary and analysis of SALW events that are documented in primary sources.

Sources are also tagged according to the dominant medium of delivery:

- A. Written the source is based on written words.
- **B. Oral** the source is based on spoken words.
- **C. Visual** the source is based on seen events or optical images.

These criteria make our tags two-dimensional. While the process of classifying sources is a primarily subjective one, the project team at BICC has developed the following table to serve as an example of possible sources within each category.

Table: Examples of sources on SALW distribution

Primary	Secondary
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Written	 Fact books Weapons Transfer authorizations End-user certificates Transcripts of interviews, legal proceedings, speeches/ presentations, meetings, conferences or symposia Newspaper articles Written correspondence (e.g. letters, emails, text messages, etc.) Blogs Peer-reviewed journal articles Treaties, constitution, laws Records of organizations (e.g. annual reports) Surveys, questionnaires 	 Wikipedia Literature reviews Training or safety manuals on gun control, ammunition, physical stockpile security management) Minutes of meetings, conferences, symposia Indexes (e.g. Global Militarization Index) Newspaper articles Etc.
Oral	 Interviews with experts, including radio or telephone Legal proceedings Speeches or interventions by experts or national representatives in government or international meetings Etc 	 Speeches, panel presentations, etc. on data provided by experts Etc
Visual	 Artifacts (e.g. the weapons themselves, ammunition) Photographs of weapons, ammunition, etc. Videos (e.g. YouTube, those recorded by mobile phone) Television documentaries, news reports 	 PowerPoint presentations on results found by experts Etc

Table: Example tags

Source (sample)	Type of source	Medium of delivery
IHS Jane's Weapons Infantry (2015-2016)	primary	written
Panel discussion of weapons use of non-state armed groups	secondary	oral
Documentary on paramilitaries in Colombia	primary	visual

About the Guide

The Interactive Guide on **Small Arms and Light Weapons** is an open access tool, designed to build knowledge on how to identify different types, makes and models of commonly used SALW in organized violence; to collect data on the global and country-specific spread of these SALW; and to describe some of their visual and technical specifications.

The guide is not an exhaustive list of all SALW that are used around the world.

Global SALW control relies on, among other things, data and knowledge of the weapons themselves. Our aim is that the Guide will be used to support national reporting duties on SALW holdings; facilitate and ameliorate the collection of data on SALW; and increase general knowledge of global distribution of SALW.

The interactive Guide was developed by **BICC** in close cooperation with the **Bundeswehr Verification Center** (BwVC), and with the generous support of the *Federal Foreign Office*, *Germany*.

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