

FORENSIC BALLISTICS 4
REPORT



Australian Federal Police
— To fight crime together and win —

To:
Sgt Mick Sinclair
ACT Firearms Registry
ACT Policing

Attention: N/A

Occurrence: Importation of Cugir pump action rifles

Date/Time:

Location:

Complainant/Deceased: ACS and ACT Firearms Registry

Suspect:

Ballistics Exhibit No: FC040955

PROMIS No: ACT 3277409 FS Ops Support 3277407

Your Ref:

FOI RELEASE

OLD POLICE
SUMMARY OF FINDINGS

ACS Robert Stanford (Weapons & Strategic Control) and ACP Simon Perriman (Firearms Registry) submitted 2 x Cugir* pump action centre fire rifles for Firearms identification.

Details:

- (1) Cugir cal 7.62 x 39 Russian pump action rifle serial # 047623900003
- (2) Cugir cal 5.56 x 45 NATO pump action rifle serial # 04223000086

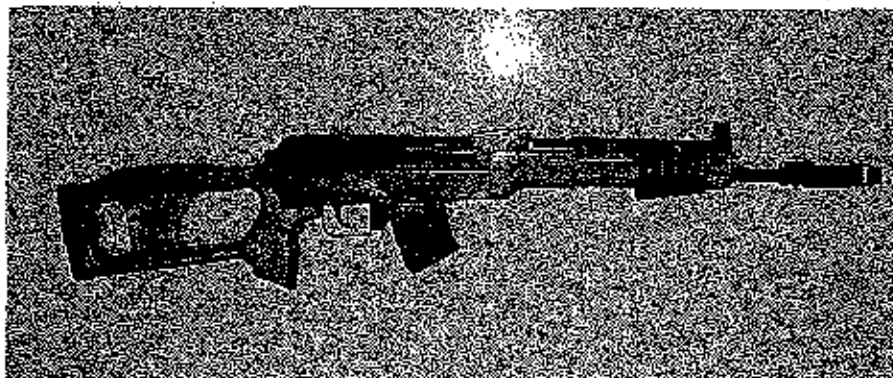


Figure 1 - Image of Cugir pump action rifle

The Cugir rifles when compared to Russian and former Warsaw pact AK-47, AKM, & AK-74 series of military assault firearms appear similar in appearance and design.



Figure 2 - Image of Russian AK-74



Figure 3 - Image of Romanian WUM-2 S/L/R

The pump action slide and grip has been added to the rifle fore-end and is connected via removable pins to the former gas piston on the bolt carrier. The barrel does not have a gas vent hole and the gas piston housing does not have a gas vent tube or hole. These are the only modifications to convert the rifle to pump action. The rifle receiver and action parts (bolt, bolt carrier, trigger, sears, hammer and springs) have not been modified. The action recoil spring is in place and acts to move the bolt and carrier forward in the receiver to feed and chamber a round of ammunition from the magazine and lock the action. The pump action is only used to unload, extract and eject a fired cartridge case and cock the internal hammer - all the rearward movement that was formally done using gas energy in the self loading rifle version.

The receiver design, safety and fire selector and internal parts are similar to AK-47, AKM rifles

The bolt carrier and bolt for a AK-47 fitted into and worked in the receiver of the Cugir 7.62 x 39mm calibre pump action rifle. The gas tube from an AK rifle also fitted into the Cugir pump action.

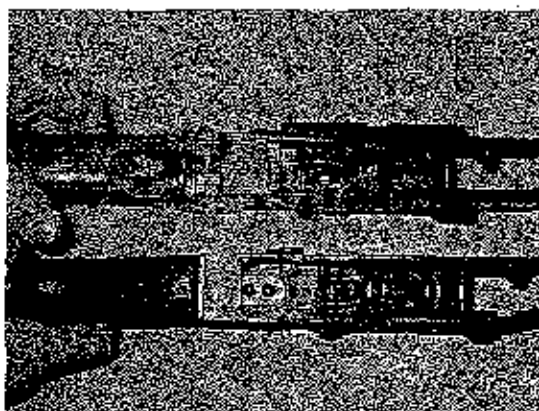


Figure 4 - Comparison of Cugir pump (top) and AKM (bottom)

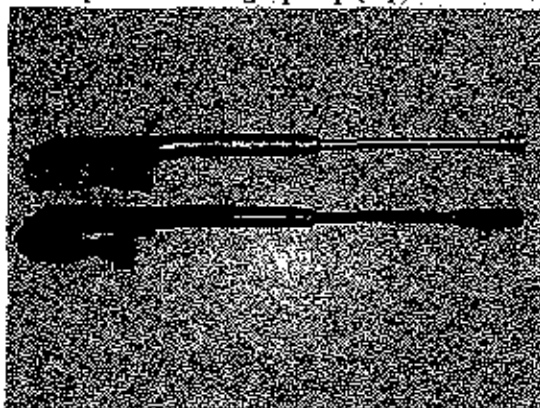


Figure 5 - Comparison AKM bolt & bolt carrier (top) and Cugir bolt and bolt carrier (bottom)

The Cugir pump action rifle is also similar appearance to the Valmet Hunter, self loading centre fire, rifle made in Finland. The Valmet Hunter is a derivative of the Finnish model M-62 Military assault rifle.

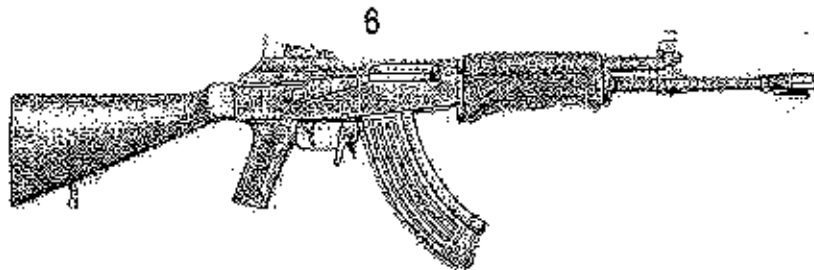


Figure 6 - Image of Valmet M-62 assault rifle



Figure 7 - Comparison with 2 X Valmet hunter rifles (top and centre) and Cugir pump action (bottom)

Conclusion:

SERVICE

In my opinion the Cugir pump action rifles as presented are Prohibited Firearms by virtue of Schedule 1, Item 7 of the ACT firearms Act 1996. In that they substantially duplicate in appearance a self loading centre fire rifle designed or adapted for military purposes.

*Cugir is a small industrial town with a population of approx. 30,000, located in the south-western part of Transylvania at the base of Parâng Mountains in Romania. Cugir is noted for its iron and metal extraction, coin, tool and firearm production facilities.

Paul McFawn
F/A : 5
Team Leader
Firearms ID & Armoury Team
FORENSIC SERVICES

10 June 2004