armoured vehicle while influence fused mines are designed to produce a mobility or a complete kill since they have full width capacities. In the case of anti-tank influence fused mines, magnetic or a combination of magnetic and seismic or acoustic sensors are used. Pressure, magnetic, seismic or acoustic sensor signals are processed and compared with pre-fixed threshold values in order to discriminate targets and to perform maximum damage.

These new designs of anti-personnel and anti-tank landmines are all enclosed in a plastic casing and made of non-magnetic materials which make them water-proof and only detectable by the user and by means of a special detector. They are built to be absolutely insensitive to countermeasures such as steel rollers, explosion waves, Fuel Air Explosive (FAE) devices and magnetic detectors. They are also equipped with anti-shock feature to ensure safe handling and transport and to avoid explosion when accidentally dropped on the ground. Also, few self neutralized anti-personnel and anti-tank landmines are equipped with expelling or displaying mechanism using a red band or any other type of marker indicating neutralization and position as shown in Figures 36 and 37. A necessary feature that is missing in all third generation anti-personnel and anti-tank landmines, is the fact that once the life time of such laid mines has been set (up to a maximum of 365 days) and that for operational or any other reasons the minefield has to be neutralized, there is no way of using remotely controlled devices or other means of deactivation prior to completion of the preset values. In the future it would be possible to have activation and deactivation features which will be incorporated in existing electronic fuses.

Even if new fusing mechanisms are equipped with either a self destruct or self neutralizing device for both anti-personnel and anti-tank mines, it seems the self destruct mechanism is not the most suitable and viable option from an operational and environmental point of view. Such mines equipped with a self destruct mechanism could not be reused or redeployed and they also present a risk for soil contamination.

8.3 Passive Self Deactivation Devices

The passive self deactivation is a totally separate back up feature which is independent of the self destruct or self neutralizing mechanism. Passive deactivation features could