There is a need for a way to ensure rapid, forced entry into a structure for police, firemen, SWAT teams, and security officers. Current commercially available methods, including cutting saws, spreading tools, explosive devices, and “burning” devices are often extremely noisy, have significant time-delay, present potential fire hazards, and require the close-proximity of personnel.

Sandia has developed a harpoon breaching tool that allows law enforcement personnel to breach metal doors or walls within seconds. Because this tool can be mounted to a vehicle’s standard receiver hitch, danger to personnel can be mitigated. Also, because explosives are not used, the risk of a fire drops significantly. The harpoon works by first driving the vehicle toward the structure and penetrating the wall/door with the harpoon. Once the harpoon has entered the structure, the pivot blade can be released, essentially “hooking” the inside of the wall/door with the tip. The vehicle can then reverse direction, taking with it the door or a section of the wall thereby allowing law enforcement to enter the premises quickly (within seconds) of attempting to breach the structure.

**Potential Applications**
- Law Enforcement Officers
- Security Officers
- Fire Departments

**Technology Benefits**
- Extremely Fast Entry (second)
- No Fire Hazard
- Mitigates danger to personnel

**Technology Inquiry?**
For more information or licensing opportunities contact us at

**ip@sandia.gov**

Refer to SD # 7652

or

**https://ip.sandia.gov**