

VEHICLE SECURITY PRODUCT DEFINITIONS GUIDELINES

Electronic Alarm and Immobiliser (Category 1)

The purpose of a Thatcham assessed Electronic Alarm and Immobiliser product is to prevent or curtail the unauthorised use of and unauthorised access into a protected vehicle.

Immobiliser

Immobilisation of the vehicle under its own power.

- Passively set
- Isolates a minimum of two operating circuits or systems, or a minimum of one operationally relevant vehicle control unit with coded intervention
- Immobiliser System resistance to attack tests for a minimum duration of 5 minutes

Alarm

The Alarm is to provide warning of an attempted intrusion into the passenger compartment or unauthorised interference with a vehicle.

- Perimeter detection
- Ignition detection
- Passenger compartment movement detection
- Audible warning with battery back-up power supply
- Siren Resistance to attack for a minimum duration of 1 minute

Electronic Immobiliser (Category 2)

The purpose of a Thatcham assessed Electronic Immobiliser product is to prevent or curtail the unauthorised use of a protected vehicle.

Immobiliser

Immobilisation of the vehicle under its own power.

- Passively set
- Isolates a minimum of two operating circuits or systems, or a minimum of one operationally relevant vehicle control unit with coded intervention
- Immobiliser System resistance to attack tests for a minimum duration of 5 minutes

Electronic Alarm (Category 2-1)

A Thatcham assessed 2-1 Electronic Alarm is to be combined on a vehicle installed with an existing Thatcham Category 2 immobilisation system to obtain a Thatcham Category 1 status.

Alarm

The Alarm is to provide warning of an attempted intrusion into the passenger compartment or unauthorised interference with a vehicle.

- Perimeter detection
- Ignition detection
- Passenger compartment movement detection
- Audible warning with battery back-up power supply
- Siren Resistance to attack for a minimum duration of 1 minute

Wheel Locking Devices (Category 4)

The purpose of a Thatcham assessed Wheel Locking Device is to prevent or curtail unauthorised removal of the vehicles road or spare wheels.

- Product Traceability
- Secure Key Replacement Procedure
- Reliability and Durability
- Resistance to attack for a minimum duration of 2 minutes
- Key Differs/Combinations
- Cross-contamination

Vehicle Tracking Systems (Category S5) – Superseding previous Category 5 or 6 from 1st January 2019

The purpose of the Thatcham assessed Vehicle Tracking System is to detect unauthorised use of a protected vehicle and increasing the probability of the recovery of a stolen vehicle.

- 24/7 monitored meeting the requirements of 'BS 8591 Remote centres receiving signals from alarm systems – Code of practice' Category 1 or equivalent standard
- Passively and Remote set function
- Health Check program
- Roaming SIM
- Global Positioning System (GPS)
- Driver Identification Device
- Vehicle motion detection
- Data logging
- Bi-Directional data transmission
- Battery back-up power supply
- Resistance to attack for a minimum of 2 minutes

Asset Location Systems (Category S7) – Superseding previous Category 6 or 7 from 1st January 2019

The purpose of the Thatcham assessed Asset Location System is to increase the probability of the recovery of a stolen asset.

- 24/7 monitored meeting the requirements of 'BS 8591 Remote centres receiving signals from alarm systems – Code of practice' Category 1 or equivalent standard
- Passively and Remote set function
- Health Check program
- Means of locating Asset within a 1-mile radius in general terrain
- Precisely locatable within 15 minutes from signal receipt on Thatcham pursuit test
- A minimum of one means of transmission of signal
- Battery back-up power supply
- Resistance to attack for a minimum of 2 minutes

Whole Vehicle Marking

Thatcham assessed Whole Vehicle Marking products are a mix of both overt and covert markings. Utilising a minimum of 2 marking techniques incorporated into any recognised System and shall contain information on how to interact with the appropriate secure database, which will act as a theft deterrent.

- Chemical or Laser etching
- Stamping or Engraving
- Microdots and/or forensic DNA
- Radio Frequency Identity Tags (RFID)
- Security Labels
- UV Footprint

On-Board Diagnostics Electronic Port Protection

The purpose of the On-Board Diagnostics Electronic Port Protection system is to provide electronic protection of the On-Board Diagnostics port from unauthorised use of a protected vehicle.

- Passively set
- Isolate a minimum of two operating circuits or systems preventing key programming communication
- System resistance to attack tests for a minimum duration of 5 minutes