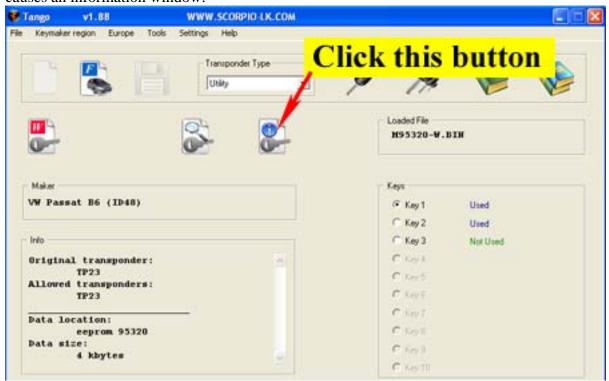# Component Security Viewer

Intro

The *Component Security* term (CS) describes the protective conception in vehicles of the VAG-group.

Physically, the CS consists of seven bytes of secret data. These seven bytes are spread among electronic units in a car. The protective mechanism organized around the CS: all units must have the same CS. In case some unit has a different CS, it causes failure. According to this conception a vehicle shares CS between ECU (Engine Control Unit), Immobilizer (it may be realised in a dashboard, Comfort module, Kessy etc.) and keys.

In some situations it is needed to change an unit protected with the CS. Or, it is needed to compare CS within a chain ECU>Immo>Key. The problem appears in case of the encrypted dumps. To make the job easier Tango will display the CS from the encrypted dumps of immobilizers. For this purpose intended option *Component Security Viewer*.

Usage

Loading the immo dump into a maker you can watch the "INFO" button. Clicking the button causes an information window:

Usually you are allowed to watch Login and VIN:

The activated option *Component Security Viewer* provides the additional information:

Note, that the Viewer can operate only with files accepted by Tango. It also means that it does not "unblock" payable makers. For example, if you want to aplly the Viewer on the Kessy's dump, the keymaker for Kessy must be active.