

**CEN/TC 33/WG 4/TG 4**  
**Ad hoc – MKS – Master key system**  
**1<sup>st</sup> meeting**

Vienna 15 June 2019, 10:00 – 17:00  
EVVA Sicherheitstechnologie,  
1120 Vienna, Wienerbergstrasse 59-65, meeting room SRC

## 1. Opening and welcome

Herbert Maté welcomed everybody to the 1<sup>st</sup> ad hoc meeting MKS and thanked everybody that had taken their time to come to Vienna.

## 2. Roll call of experts and agenda

### 2.1. Roll call of experts – Members

A doodle survey has started in November 2018 addressed to the members of TG4. The call for experts was closed on 7<sup>th</sup> December 2018. 11 experts were registered to the MKS ad hoc group.

Participants of the 1st meeting:

AT	Mate, Herbert (Convenor)
CH	Kramer, Ulrich (Expert)
DE	Lienau, Jürgen (Expert)
ES	ANCISAR CEBERIO, Jon (Expert)
FI	Tirkkonen, Jouni (Expert)
FR	Martins, David (Expert)
IT	Ravegnini, Renzo (Expert)
SE	Bovin, Björn (Expert)
UK	Ross, Steve (Expert)

Excused participants:

IT	Gelmini, Stefano (Expert)
NL	Koole, A.J. (Expert)

Attendance list, see enclosed list of assignees

### 2.2. Agenda

The agenda sent out on 7<sup>th</sup> January 2019 was accepted with a modification.

Topic no. 11 - Additional aspects - was added. The modified agenda was accepted by the participants.

### **3. Status quo of EN 1303 and ARGE MKS data security project**

#### 3.1.

In the minutes of the 91<sup>st</sup> meeting of CEN TC33/WG4/TG 4 from 17<sup>th</sup> – 18<sup>th</sup> May 2018 the future of EN 1303 was discussed under 8.2 and the experts took decision 8:

- Start an ad hoc group for MKS with Herbert MATE as convenor.

#### 3.2.

In addition the ARGE (The European Federation of Associations of Locks and Builders Hardware Manufacturers) has developed a document within the ARGE initiative MKS data security. The experts did a short verification of a possible integration of the ARGE requirements into EN 1303.

### **4. focus of the ad hoc group MKS**

- Collect and evaluate existing national requirements for MKS.
- Identify the commonality.
- Propose a definition for MKS
- Prepare proposal(s) for requirements with acceptance criteria, test methods and Classification should be presented to TG 4 in the next meeting (prel. Q1/2019)

### **5. Integration of MKS (master-key-systems)**

(in the standard or in an additional normative / informative)

It was discussed about a possible implementation of the new definitions/requirements/test methods etc. to the existing standard. The following possibilities were discussed:

- a. Rework complete EN 1303 and integrate MKS.
  1. Scope
  2. Normative references
  3. Terms and definitions
  4. Requirements
  5. Test – General and test apparatus
  6. Test methods – procedures
  7. Classification
  8. Marking
  9. Create a new annex for MKS – master key systems
- b. Create a new annex for MKS – master key systems
- c. Create a new standard with new number

It was agreed to propose a new annex for MKS for the next revision of the EN 1303. From today's point of view a high number of existing definitions, requirements and test methods can be adopted by the existing standard.

## 6. New definitions

For a better understanding and for a better understanding within the experts the definition for master key systems, systems in general were defined. Every expert reports on his market understanding in relation to the definitions. In addition existing definitions of DIN 18252, VdS 2386, ANSI A 156.28 and marketing documents were discussed and rewritten.

## 7. Existing national standards/technical specifications

Locking systems (MKS) were found in the following documents:

- **DIN 18252:2018** Profile cylinders for door locks – Terminology, dimensions, requirements, test methods and marking
- **VdS 2386** Locking Systems – Requirements and Test Methods
- **ANSI A 156.28** Recommended practices for mechanical keying systems

## 8. Existing EN 1303 requirements

In general all requirements of EN 1303:2015 – attack resistance table 3 are also valid for cylinders within a locking system when attack resistance is required.

Only the test specimen is different by specification. The validity and applicability has to be tested and confirmed by the manufacturers.

The requirements for key related security are defined by a drafted new table in the new annex. The test specimen is different to the definitions in EN 1303 but has to be the same cylinder specification for attack resistance. Minimum number of effective differs was replaced by a minimum number of calculation capacity within one locking system. The validity and applicability has to be proofed and confirmed by the manufacturers. Values in the table are not verified.

## 9. New requirements for MKS

No additional requirements were verified. In addition it was agreed to create a new classification schema based on the existing EN 1303. The difference is only to use letters A, B, C instead of keys 1-6 in the key related security class. This is for a better market understanding and the only difference to the individual cylinders which are covered by the existing EN 1303.

## 10. Key control

The experts are of the opinion that locking systems in general do not have a patent or other kind of legal protection. Key duplication has to be defined in regard of Legitimation identification (ID) as an option.

### **11. Additional aspects**

No additional aspects relating to the ARGE document or the GPDR were found to be included in the drafted new annex to EN 1303.

### **12. Next meeting**

The expert agreed to propose a drafted document with the first results of the meeting and to verify the proposed values in the new table. No new ad hoc meeting has been agreed. Short Presentation of the outcome and feedback at the next CEN TC33 / WG 4 / TG 4 on 19<sup>th</sup> March 2019 is planned.

### **13. Closing of the meeting**

The convenor closed the meeting and thanked everybody for taking the time to attend and contribute to the meeting.