

# **ARGE Conference 2023**

14<sup>th</sup> – 15<sup>th</sup> September 2023

## **Smart door locking devices ETSI TS 103815**

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## WG SDL | Håkan Hedlund

- ➔ **Standard and Compliance Manager**  
ASSA ABLOY Scandinavia
- ➔ **CEN TC 33 member**
  - ⇒ Convenor of WG 4 – Building Hardware and WG 7 – Burglar resistance
- ➔ **CEN TC 127 member**
  - ⇒ WG 3 – Fire doors
- ➔ Active in different working groups & industry associations related to **CPR, CPR Acquis, Standards and Compliance**



## Background

- ➔ **Residential Smart Door Locking Device:** A lock designed to perform locking and unlocking of a door when it receives such instructions from an authorized and authenticated user using a secure wireless protocol
- ➔ **No specific EN Standard exists**
- ➔ **Some national quality marks (UK, SE, FR) already in place**
- ➔ **Scope of Technical Specification:**
  - To encompass mechanical and elmech locking performance combined with connectivity with credentials.
  - ⇒ Residential, end-user markets
  - ⇒ Application across Europe

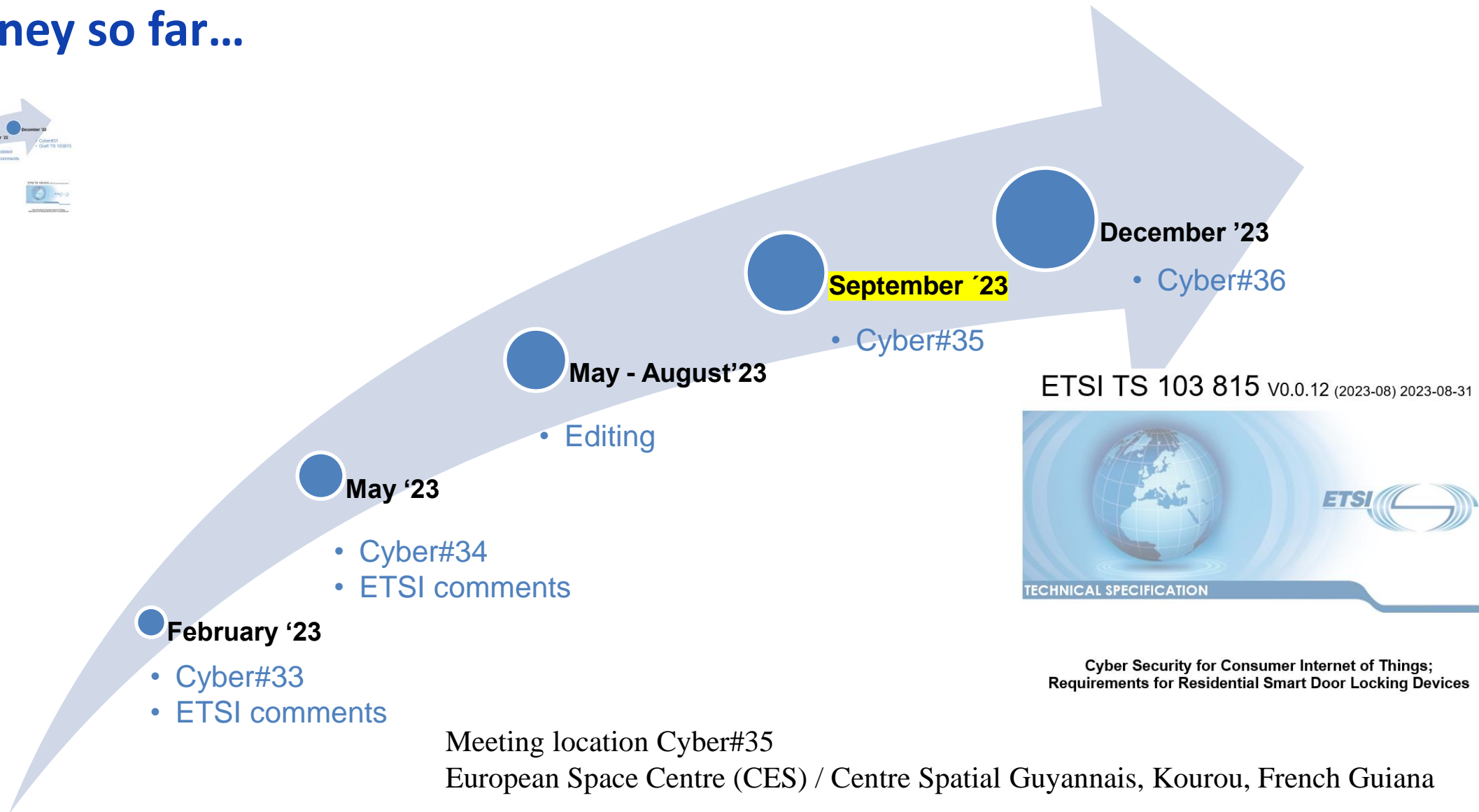
Reminder



## Why is ARGE driving the development of this Technical Specification?

- ➔ **ETSI EN 303645**, *Cyber Security for Consumer Internet of Things: Baseline Requirements*, published in 2020, **covers the cybersecurity aspect only** – but states that i.a. “connected door locks” are within its scope.
- ➔ **Danger** that smart door locking devices of which the mechanical and electromechanical elements are poorly designed and built will be promoted to be state of the art because they meet ETSI EN 303645.
- ➔ **ARGE’s ambition** is to establish a Technical Specification which **raises the performance requirements of smart door locking devices to an appropriate level!**

## The journey so far...



Meeting location Cyber#35

European Space Centre (CES) / Centre Spatial Guyannais, Kourou, French Guiana

# TS 103815 Smart door locking device - Principle

- ➔ **ETSI EN 303645**, *Cyber Security for Consumer Internet of Things: Baseline Requirements*
- ➔ **Credential related security**, and
- ➔ **Electromechanical security and/or mechanical security** (EN Standards for Building Hardware)

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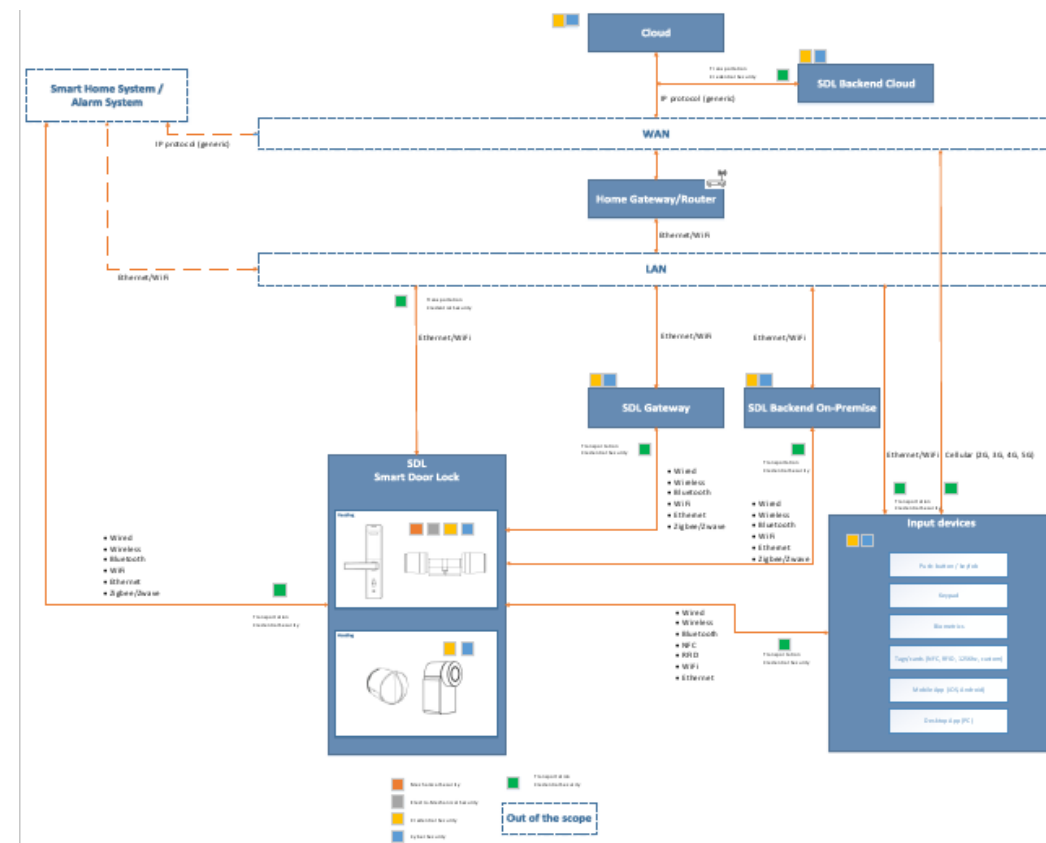
## 1 Scope

The present document specifies requirements for consumer residential Smart Door Locking Device (SDL) including apps:

- cyber security;
- credential related security; and
- electromechanical security and/or mechanical security.

The present document builds on ETSI EN 303 645 [1] for cyber security requirements, adding additional provisions specific to smart door locking devices.

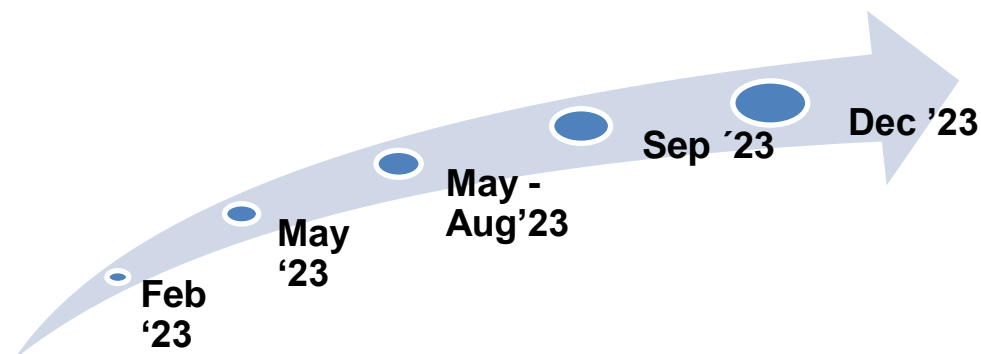
The present document also builds on other EN standards for credential related security, electromechanical security and mechanical security.



## Status ...

- ➡ Final update after Cyber#35
- ➡ Final draft during 2023...
- ➡ Q1 2024 possible publication

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## Take away from this presentation ...

- ➔ **ARGE is still in the front seat**
- ➔ **Final version October 2023**
- ➔ **Possible publication Q1 2024**
- ➔ **Following steps**
  - ➔ **TS for Verification methods – based on ETSI TS 103701**
  - ➔ **Promote/marketing activities, implement roll-out**





# Thank you!

## Any questions?