

## **IEEE PSCC S1 SG: IEEE 1686 Standard for Intelligent Electronic Devices Cyber Security Capabilities**

**Chair: Marc Lacroix**

**Vice Chair: Éric Thibodeau**

**Output: Revision of the standard**

**Established: Dec 2017**

### **Summary Minutes for Subcommittee Report**

The S1 WG meeting was held on Monday, January 8, 2018 with 13 attendees.

The goal of this meeting was to start working on the revision of IEEE 1686 standard.

#### **Purpose of S1 SG:**

The task force will revise the existing IEEE 1686 standard to integrate the latest cybersecurity technologies in order to define the functions and features to be provided in IEDs to support cybersecurity programs.

**Request for May 2018** S1 plans to meet as a Working Group in a single session for 40 people and a computer projector.

The PAR for the revision of 1686 was approved last December.

The new scope is:

The standard defines the functions and features to be provided in intelligent electronic devices (IEDs) to accommodate cybersecurity programs. The standard addresses security regarding the access, operation, configuration, firmware revision and data retrieval from an IED. Confidentiality, integrity and availability of external interfaces of the IED is also addressed.

Marc Lacroix proposes a revised table of content that cover more recent practices for communication with an IED.

There are many discussions on the revision to be done.

A physical protection section should be added.

Herb Falk suggests referring to IEC62351-7 for IED internal events.

Marc proposes to start with use cases to capture all the different ways to interact with an IED.

Use cases will be sent to participants by email and a WEBmeeting will be organized end of March.

#### **Actions items**

- 1) Marc Lacroix to contact Eyrin to get the latest version of 1686 Word document as published.
- 2) Marc Lacroix to ask Eyrin to get a copy of IEC 62351-7 for the working group.
- 3) Marc Lacroix to set an iMeet central profile for S1
- 4) Marc Lacroix to prepare initial use cases and send to working group members