

## FIRST Cyber Threat Intelligence (SIG)

# 2022 Annual Activity Report

(TLP WHITE)

Version: 1.3j - 5 to 10 minutes presentation

**SIG Steering committee/Co-chairs:** 

James Chappell Hendrik Adrian Krassimir Tzvetanov

# About Cyber Threat Intelligence SIG

#### The Cyber Threat Intelligence (CTI) SIG's

- Goal: Create common definitions of Cyber Threat Intelligence to enable useful discussion. Create best practice materials and resources.
- Started: 2018 in 30th Annual conference in KL. Originally proposed in February 2016 at TC in Munich,
- Products: A common body of knowledge called the curriculum and a resources guide. Online Summits and contributions to FIRST Technical Summits. CTI Training/Workshops, Briefing Papers and Shared Tools to help practitioners of Cyber threat Intelligence.
- Membership: 191 subscribed members across FIRST.

### CTI SIG Mission and Goal

- Promote the benefits of Cyber Threat Intelligence (CTI) and provide accessible and clear content to benefit FIRST members and attract new members to our community.
- 2. Creation of a FIRST wide common body of knowledge (CBK) on Threat Intelligence and establish it as an industry standard.

This includes:

- Definitions of commonly used terms
- List of Tools that can be used by CTI Teams
- List of Data Sources
- Best practices / Methods
- 1. Promote events through FIRST
- 2. Support CTI activities globally
- 3. Stay apolitical not a sharing forum
  We help members to develop maturity of CTI activities and connections instead.

# Membership

- About the SIG: <a href="https://www.first.org/global/sigs/cti/">https://www.first.org/global/sigs/cti/</a>
- How to apply: Talk to SIG Chair, or use the "Request to Join" in FIRST Portal
- Email Participants must be willing to actively participate in CTI SIG activities

No	Year	Membership	Growth
1	2018	100-	_
2	2019	150+	+ 50%
3	2020	171	+ 14%
4	2021	183	+ 7%
5	(up to June) 2022	191	+ 4%

• To set expectations - multiple roles:

Reviewer, Contributor or Curator.

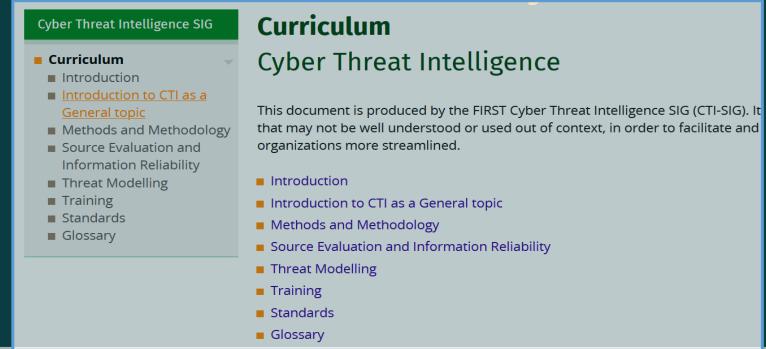
# So what we have achieved in 2022?

### Achievements in 2022: CTI Curriculum

1. Cyber Threat Intelligence Curriculum (version 2)

Ref: https://www.first.org/global/sigs/cti/curriculum/

Version 3 will be released this year!



### Achievements in 2022: CTI Curriculum

### To be released:

1. Threat Intelligence Program Phases

#### **Background**

The goal of this document Threat Intelligence capabi greenfield efforts but it can in this space. The main go capability without making

There are different levels intended to be a general of to fit your company's need



CTI Threat Modeling Example - Author: Adrian, Hendrik, Cyber Emergency Center, LAC/LACERT

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# THREAT MODEL SECTOR: ONLINE GAME INDUSTRY

(presented on FIRST CTI SIG 20200214 by

- System exploitation (vulnerability)
  - DoS
  - Info leak
  - Elevation of privilege of game service

#### Possible "exploit":

 tampering cookies in the game used device or from a service

> to add permissive s, dates) ated (as per above

access

ney
e (losses of trust)
claims)
from cookie abuse)

model & build trees

(based on definition applicable score is

eering pered cookie

# Starting a CTI programme

Focussed on Business Stakeholders

#FirstCon22

### in 2022: CTI Events

3. Participation in planning and organizing FIRST CTI events



May 4-13, 2







Berlin (DE), November 2-4, 2022





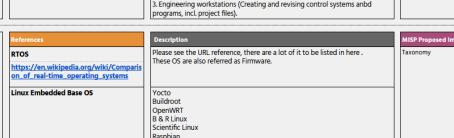
### What...in 2022: Standard bodies work

On projects, previously we had achieved these..



FIRST CTI SIG PROJECT FRAMEWORK TO ENRICH MITRE ATT&CK® MATRIX

Version5 release date: 08.28.2020 (firstly presented in FIRST.ORG CTI SIG on 07.29.2020)



to operate a physical process. 2. Various PLC types for different processses

Computing device with user-programmable memory to storing instructions

Data aguisitionand control unit designed to support field sites and remote

Control Server (Supervisory systems that hosts control software to manage

2. Data Historian (Centralized database for information about process, control

From physical control panels to a complete computer system:

Pressure, Temperature, Flow, Voltage, Optical, Proximity

Modems, Routers, Serial - Ethernet Converters, Swtiches

lower level control devices like PLC).

activity and status record).

Variable Frequency Drive, Servo Drive, Valve, Circuit Breaker

Taxonomies

### What...in 2022: Standard bodies work

- 4. Maintenance & improve the projects we had achieved: New Projects:
  - CTI Curriculum Translation Project (to support multiple languages)
  - Research to improve CTI Platform related products/tools

### **Maintaining Previous Developed Projects:**

- MITRE ATT&CK's CTI SIG threat techniques addition framework on new technique Achievement: "TimeBomb" concept in malware sub-technique addendum at T1124 "System Time Discovery"
- ICS/OT Indicator Taxonomy for MISP (updates in maintenance section)
- Megalist Project second version released (dev v0.4.07) (updates)

# What's next? Road map to 2023

#### **Members:**

- Keep encouraging members for more contribution and collaboration
- Finding new ways of working to engage with busy FIRST membership

#### **Curriculum:**

- Cyber Threat Intelligence Curriculum fourth version
  - additional chapters to fill more gaps in details in published curriculum

#### **Events:**

- FIRST Cyber Threat Intelligence Conferences in 2023
- Workshop and training for 2023 during the FIRST events

### **New Project:**

- CTI TTX Plan, Re-activation for a lot of pending ideas to develop! Stay tune!



# Questions?

