jtsec
BEYOND IT SECURITY

Common Criteria Certificate Statistics for 2019 Q1-Q2-Q3

jtsec

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WHO WE ARE

jtsec is a company that offers consulting, auditing and security evaluation services following the most recognized market standards at a price that allows businesses of all sizes to access this service

jtsec is made up of a team of recognized professionals in the IT security sector with more than 30 years of experience in this field. Most of our professionals have worked as evaluators and auditors in the most recognized certifications and standards of the sector (ISO27001, ENS, RGPD, SOC 2, Common Criteria, FIPS 140-2, etc.) and are able to join forces to provide a service of the highest quality.

WHY WE EXIST

TECHNICAL EXCELLENCE

We have come to raise the baton of technical excellence. With the highest qualification we can certify the security of your products and systems. We are 100% committed to a lifelong learning process.

COMMITMENT TO OUR CUSTOMERS

We are determined to solve your problems, not to create new problems. Your project will be successful - there is no other option. We take the standard of excellence in dealing with clients to a new level.

TIME TO MARKET

By doing our job on time, we can give a competitive advantage to our customers. If time is a constraint you can count on us. We put all our resources at your disposal to be not only the best but also the first.

Introduction

Why this report?

Historically, the Common Criteria Portal web (https://www.commoncriteriaportal.org) has contained the list of evaluated products. Each Certification Body is responsible for sending each new certified product to the web, along with its Certification Report and Security Target.

All this information is provided in the web, which even provides a Statistics section. This section however provides no graphical representation of the numbers and there is room for improvement regarding, for example, the evaluation laboratory, evaluation trends regarding the type of products certified (a categorization is provided, but it does not reflect state-of-art in security products) and other things, so we thought that an "all-in-one" report would be great for the Common Criteria community!

During the past 17th Common Criteria Conference that took place in Amsterdam in 2018, our team presented a tool that could bring a breath of fresh air to this scenario.

The latest updates on the tool and generated statistics will be presented in 18th Common Criteria Conference in Singapore, during October 2019.

How it is created?

CC Scraper is a python script that analyses automatically the information from the CC portal using OCR capabilities, pdf reading and other features providing a comprehensive statistics report of the CC certifications.

The current version still depends on Common Criteria portal contents, and therefore a mismatch between each CB certified products and the statistics shown in this report may appear if the Certification Bodies do not timely send new updates to the web or the webmaster does not update the product list.

CC Scraper outputs a CSV file from where this report is semi-automatically created.

Contribute!

Feel free to share the results shown in this report, and do not hesitate to tell us any error that you find, we will correct it as soon as possible.

If you want to know a specific statistic or you think that it could be interesting for the community, please share it with us and we will include it in next versions of this report.

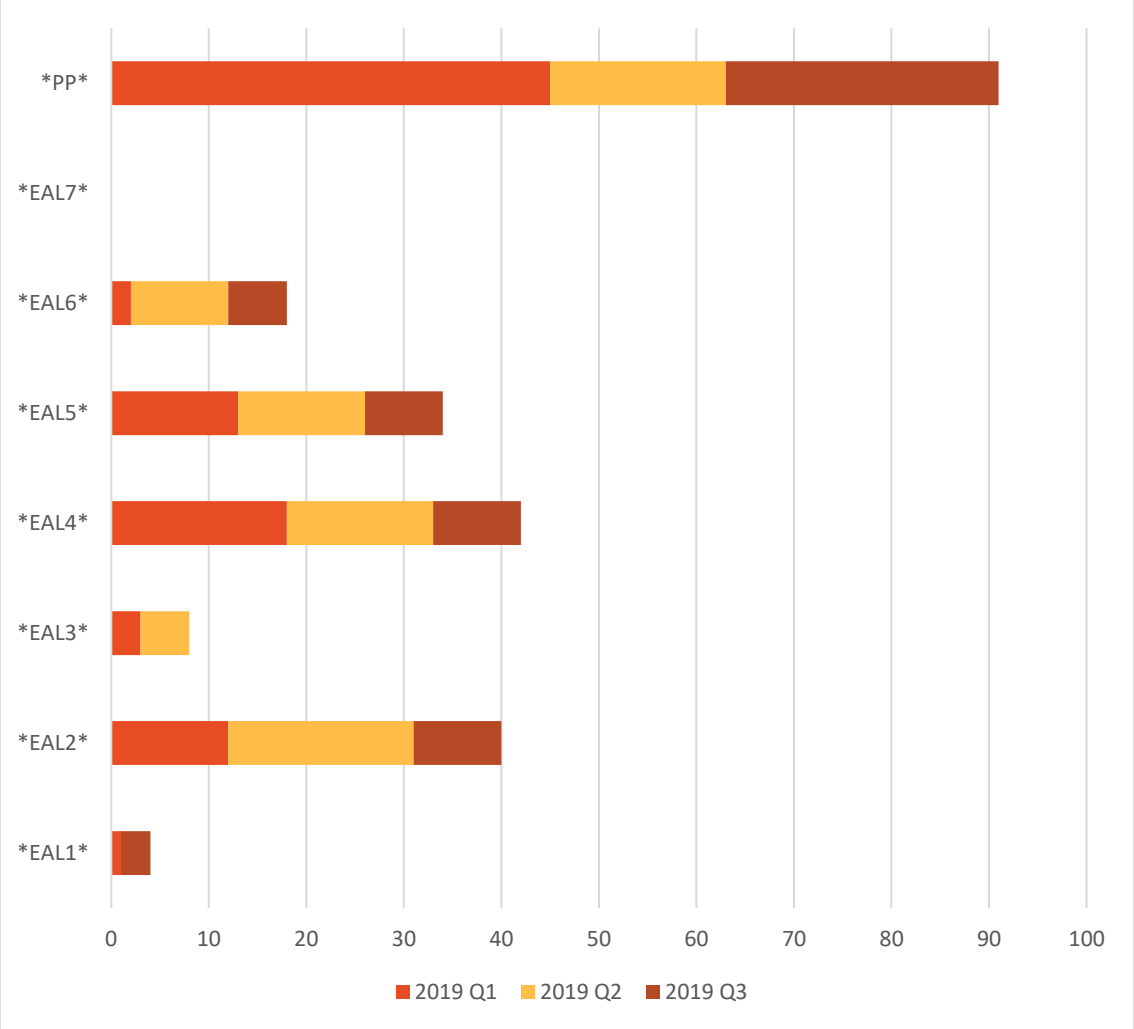
CC Statistics for 2019

These are the detected trends for 2019, considering the data until 09-27-2019:

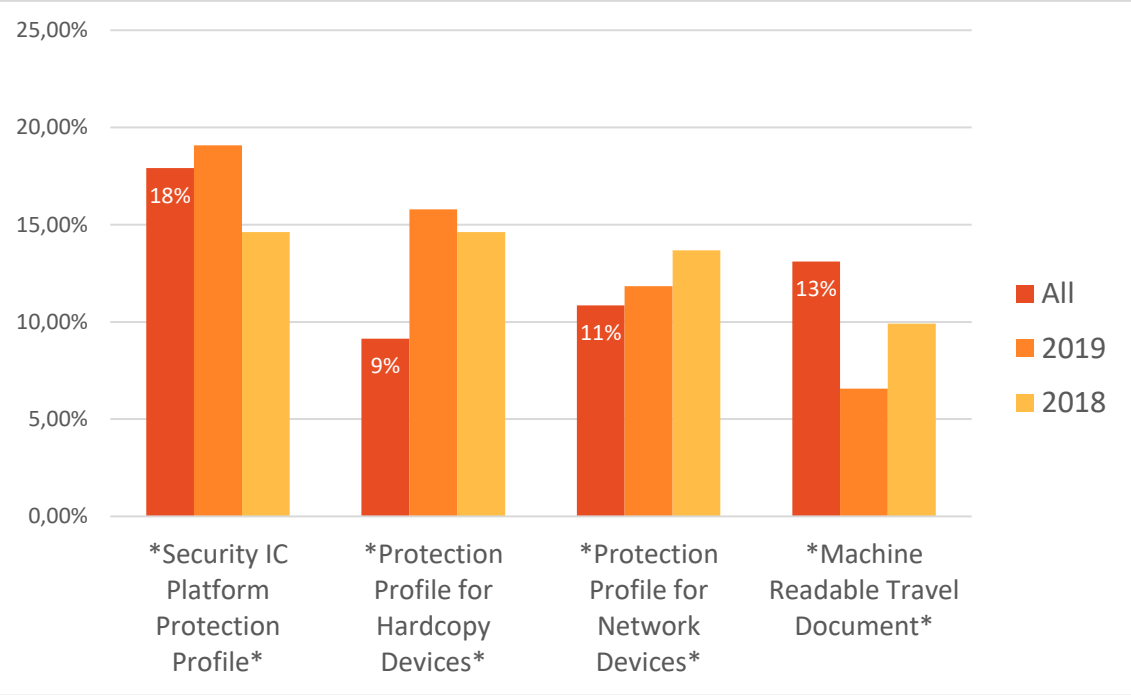
In 2019, 91 products have been certified with a clear relevance of Protection Profile based assurance level. 28 products were evaluated on the third quarter of 2019 in contraposition to 23 on the same term of the previous year.

On the other hand, the trend to use Protection Profiles on evaluations has been even larger in 2019. While in 2018, 79 products were evaluated using Protection Profiles and 91 with an EAL 2, which was the most frequent EAL, in 2018 these figures were of 88 and 55 respectively.

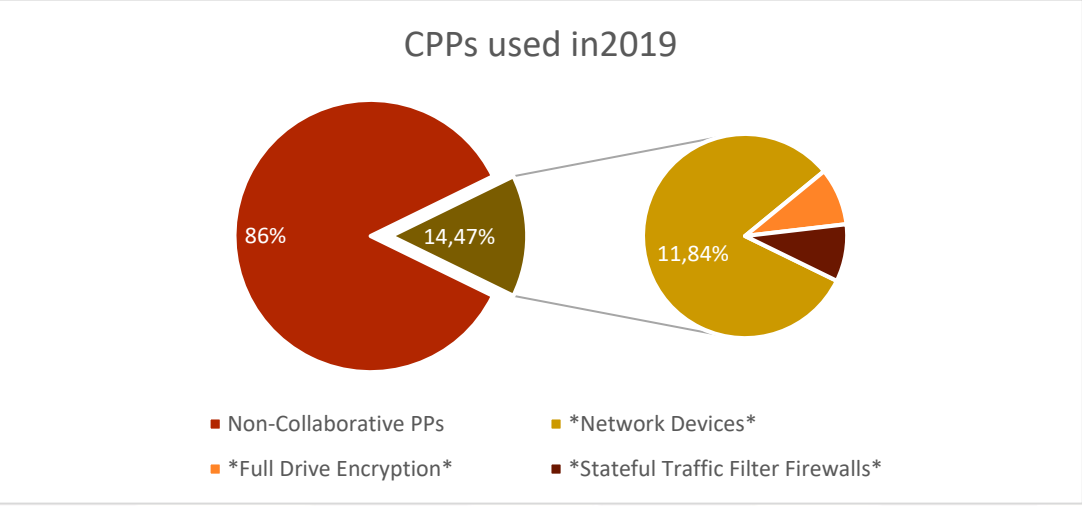
The trend for highest and lowest EALs is very similar to the one observed in the previous year. Only one evaluation has been performed with an EAL7 and seven using a level one. In the past year no evaluations were carried out using EAL7 and 9 used EAL1.



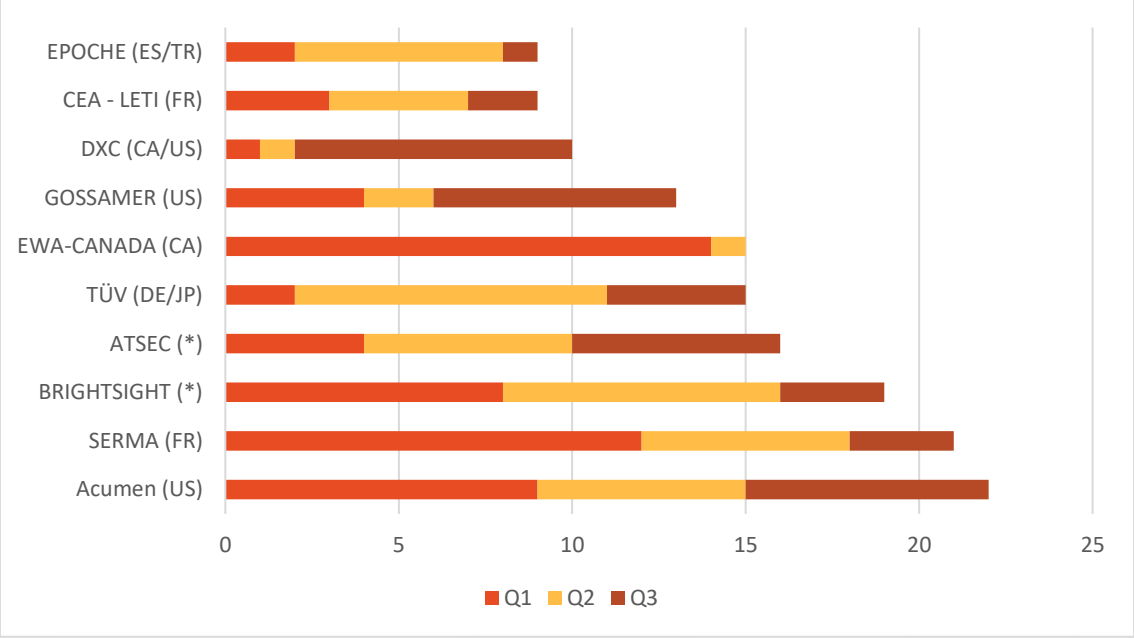
In regards of used Protection Profiles, the Protection Profile for Security IC Platform was the most used in 2019, while in 2018 there is a tie between Security IC Platform PP and Network Devices Collaborative PP. Protection Profile for Hardcopy devices was the second most used in 2019 (16%) and the third one was Network Devices Protection Profile (12%) which decreased with respect to 2018. Machine Readable Travel document remained as the fourth most important.



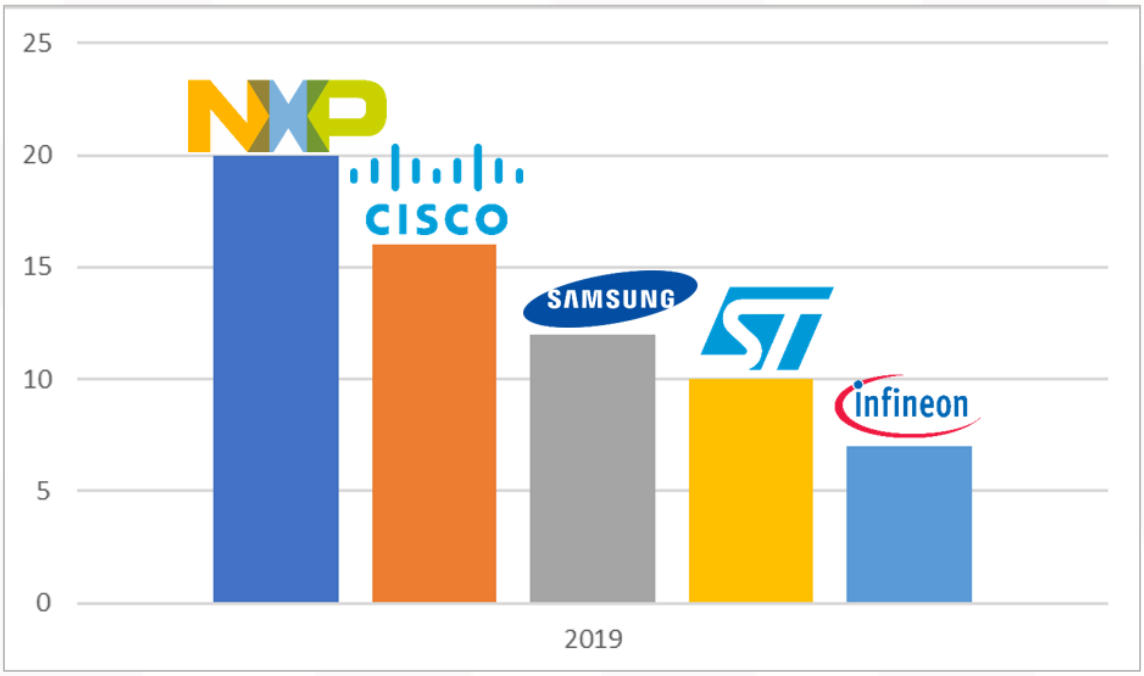
The use of Collaborative Protection Profiles was very popular during 2019, representing 14% of total Protection Profile compliant certifications. Among them, Network Devices Collaborative PP was by far the most significant, with 12% out of that 14%.



The lab that evaluated more products during this year is ACUMEN with 22 certified products, followed by SERMA with 21 certified products, and Brightsight with 19 certified products.



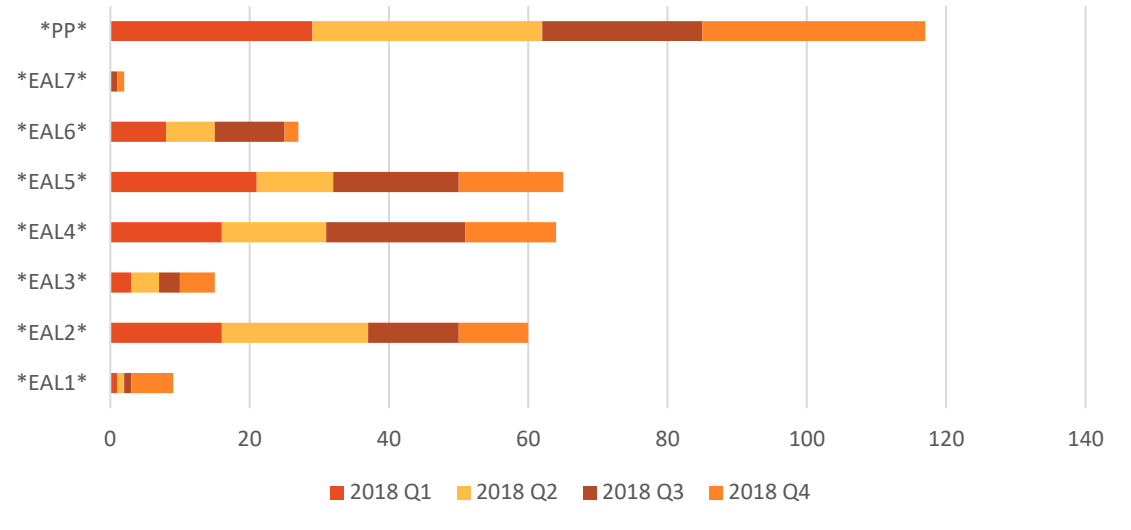
In the manufacturers ladder, NXP was the top vendor of certified products with 20 certifications, mainly security ICs. CISCO was the second one with 16 certifications in the category of Network Devices. Samsung (12), ST Microelectronics (10) and Infineon (7) have also been prominent in the certification of Security ICs.



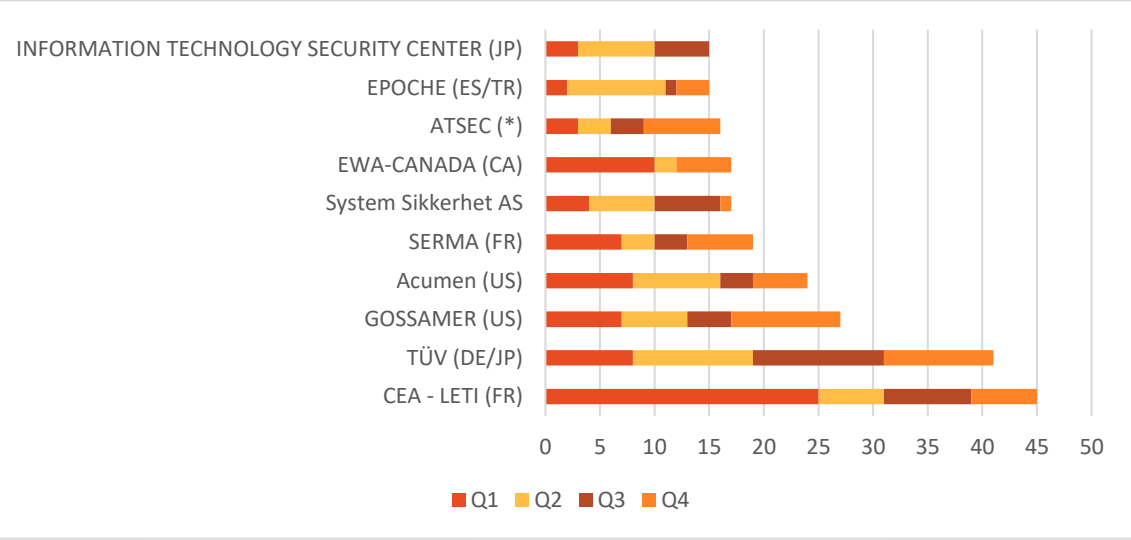
Previous highlights - 2018

These were the detected trends for 2018.

359 products were certified during 2018. The most frequent assurance level was according to defined Protection Profiles. EAL5 was the most used assurance level, and two EAL7 evaluations were done in the whole year. EAL2 was the most frequent low assurance level and only 9 EAL1 evaluations were conducted. The most productive quarter was the first one, with 94 products evaluated.



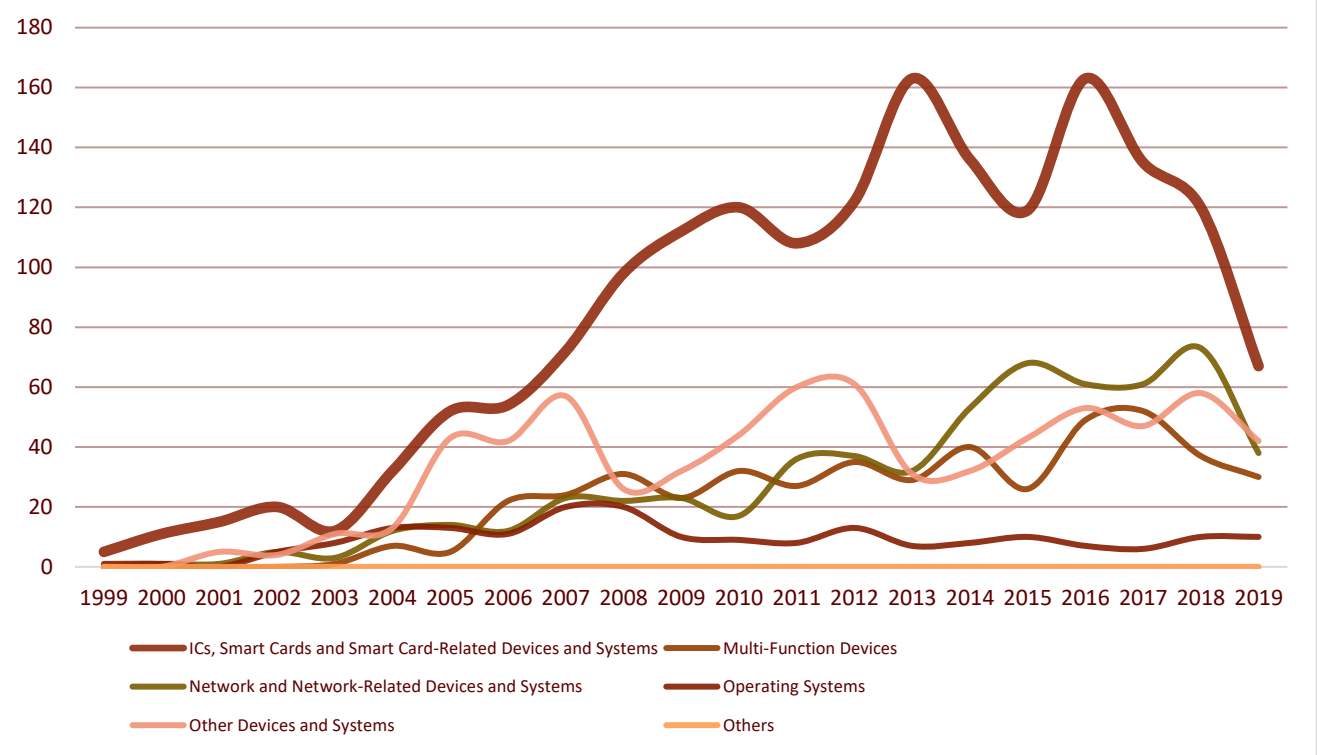
The most productive lab during 2018 was CEA – LETI (France), with 45 products evaluated. 8 labs certified only one product in the whole year and the United States scheme was the most used.



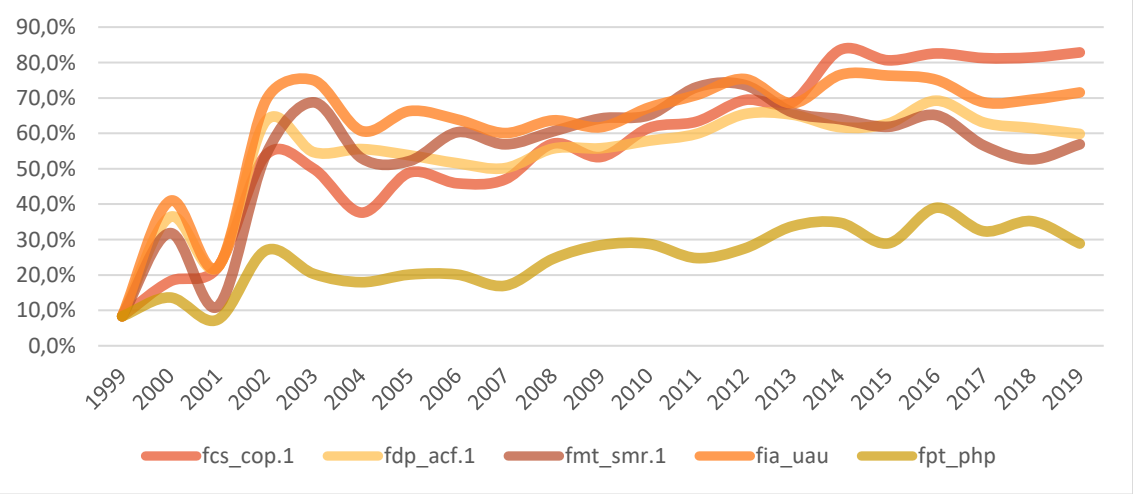
Historical trends

This section contains historical trends from the very beginning of Common Criteria certification. Archived products (products where the certificate status is no longer valid) are included for the sake of completeness.

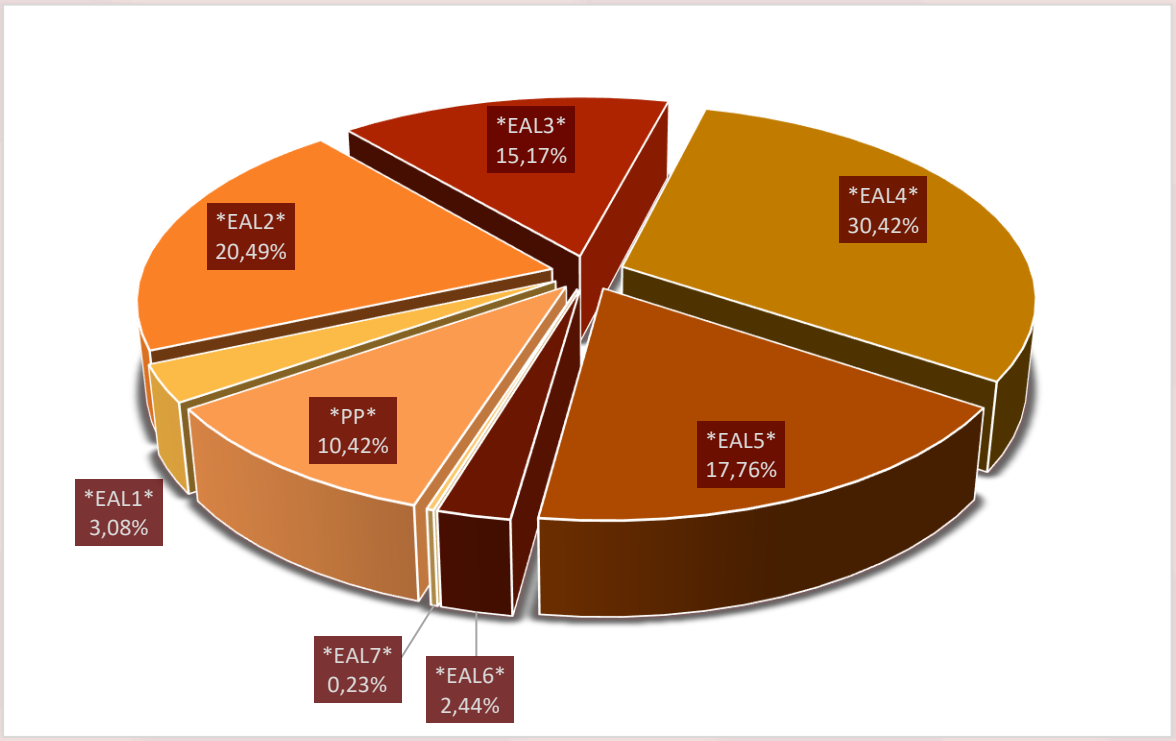
Categories by year (relative to the number of certified products):



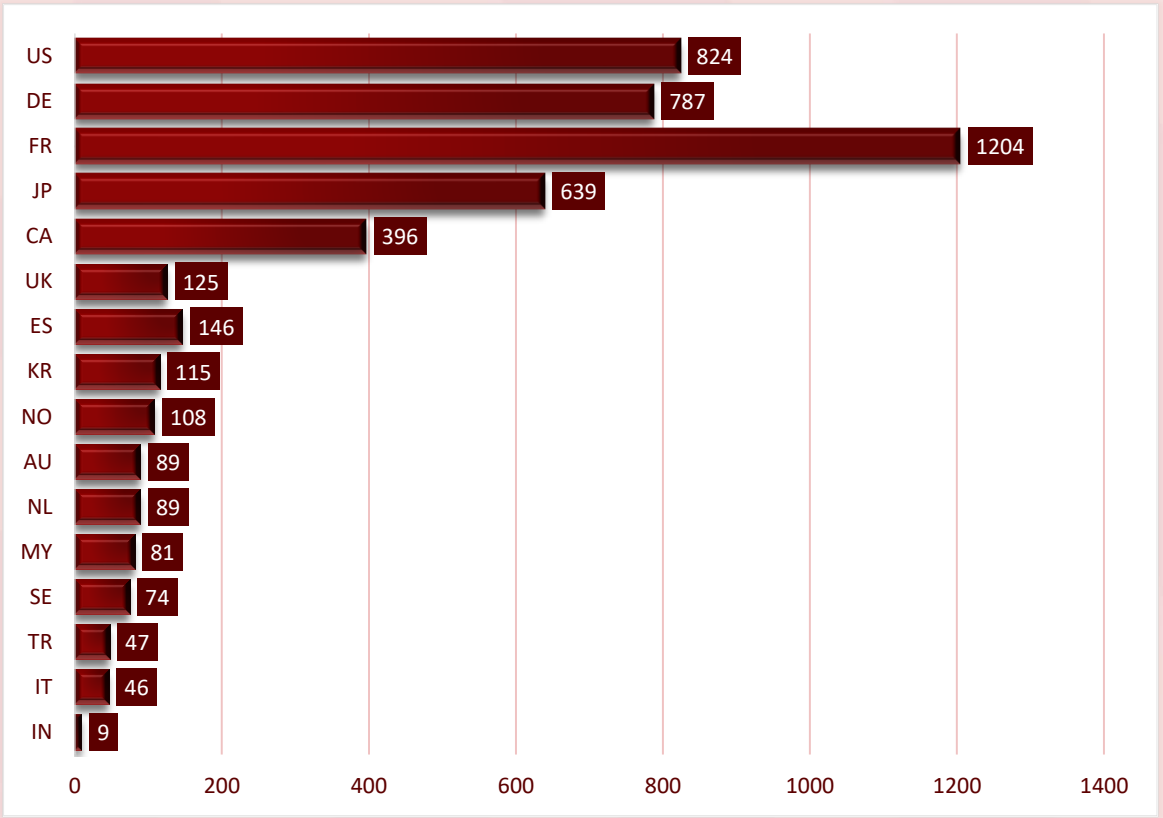
Most used SFRs:



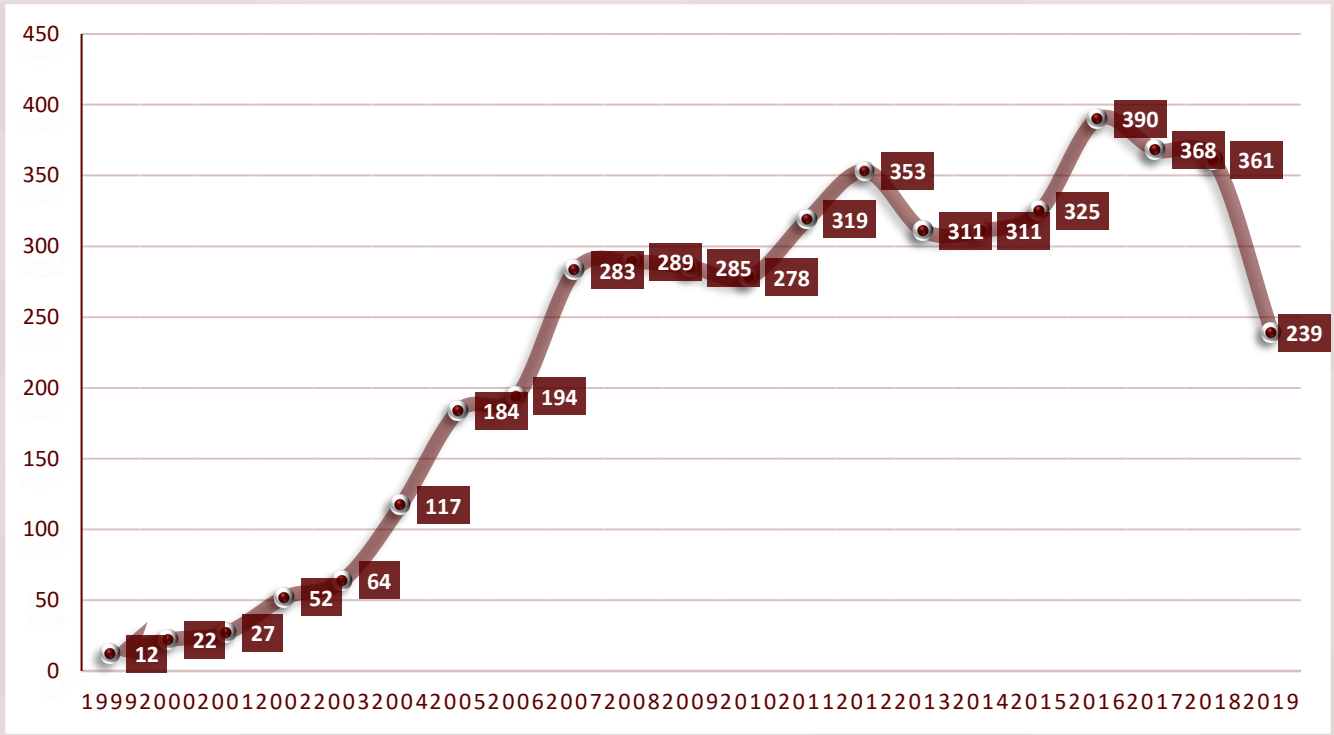
Most used assurance levels:



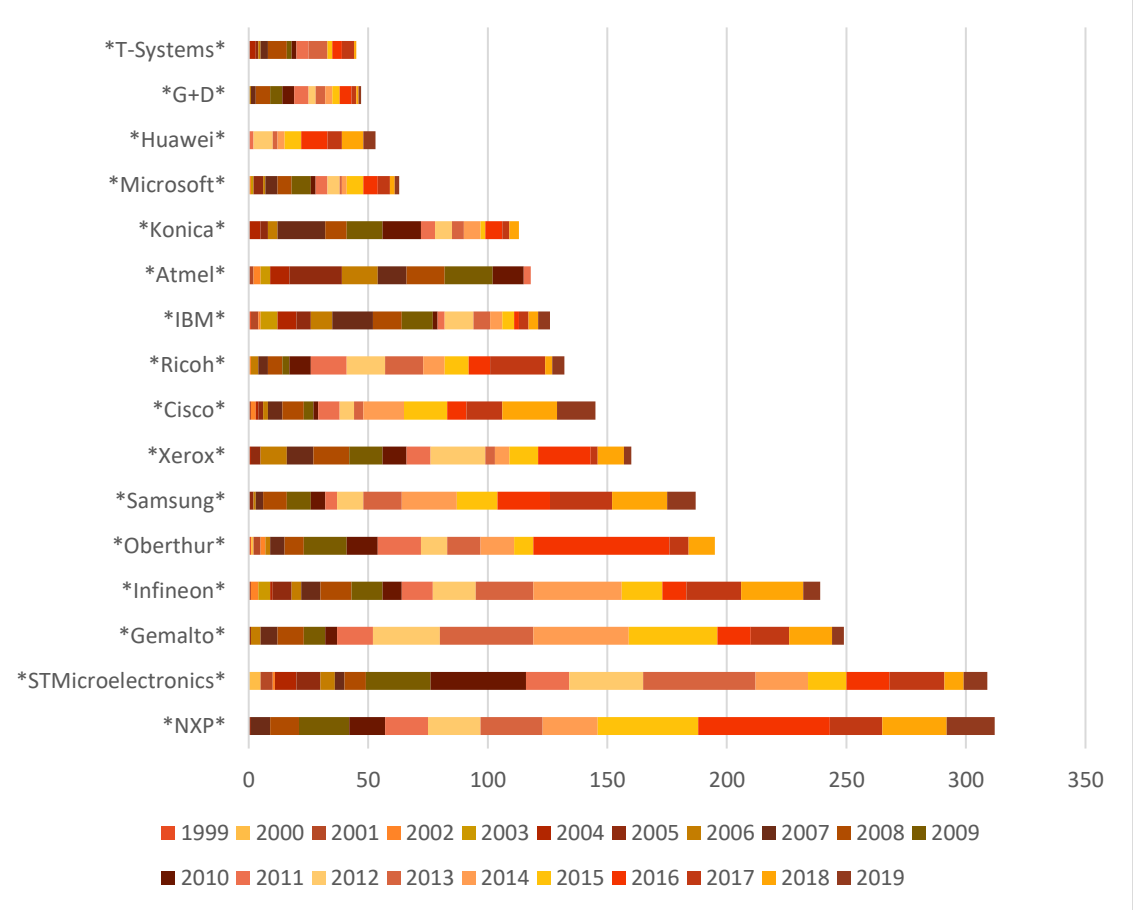
Total number of certified products by scheme (archived included):



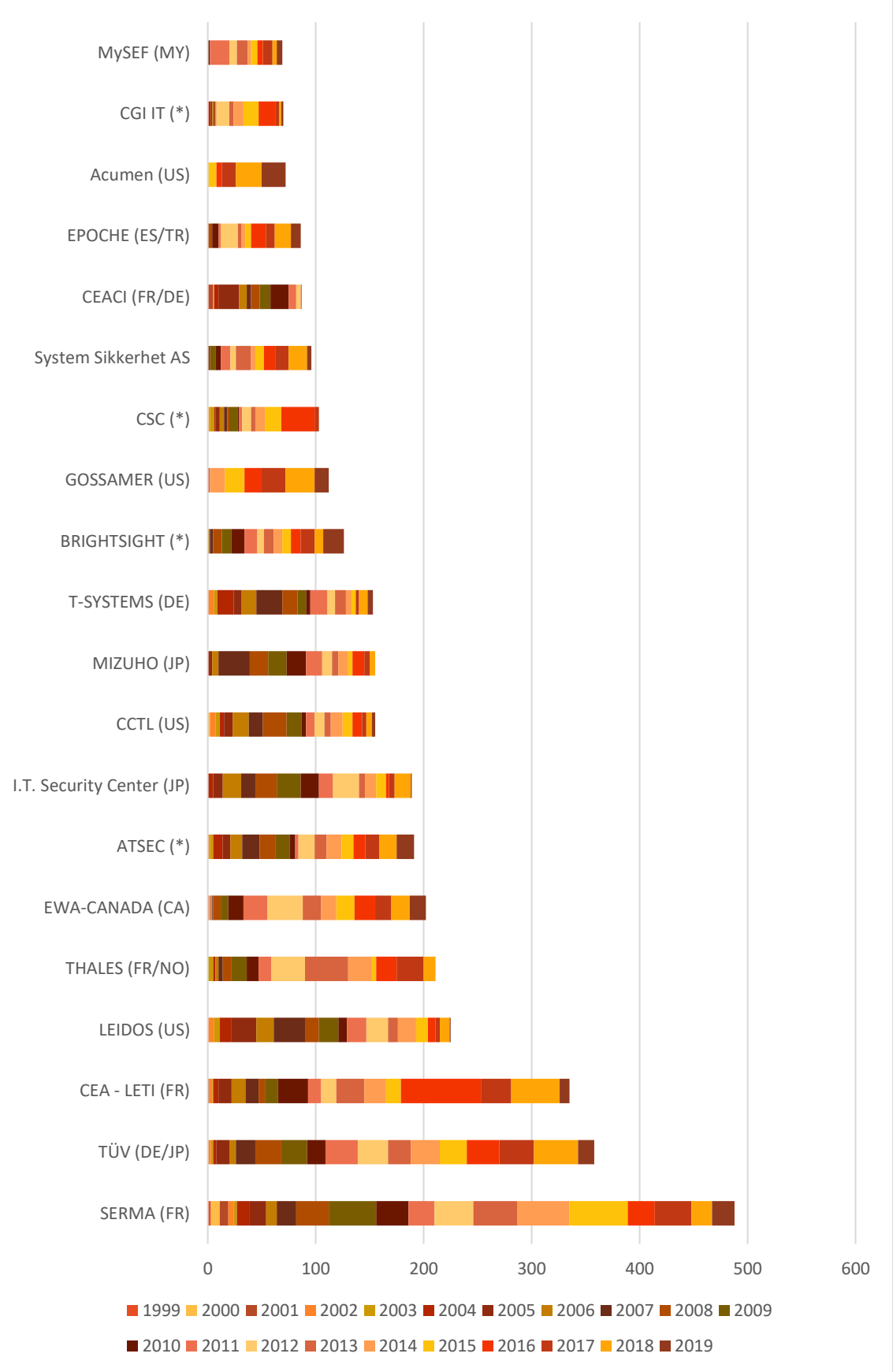
Total number of certified products by year



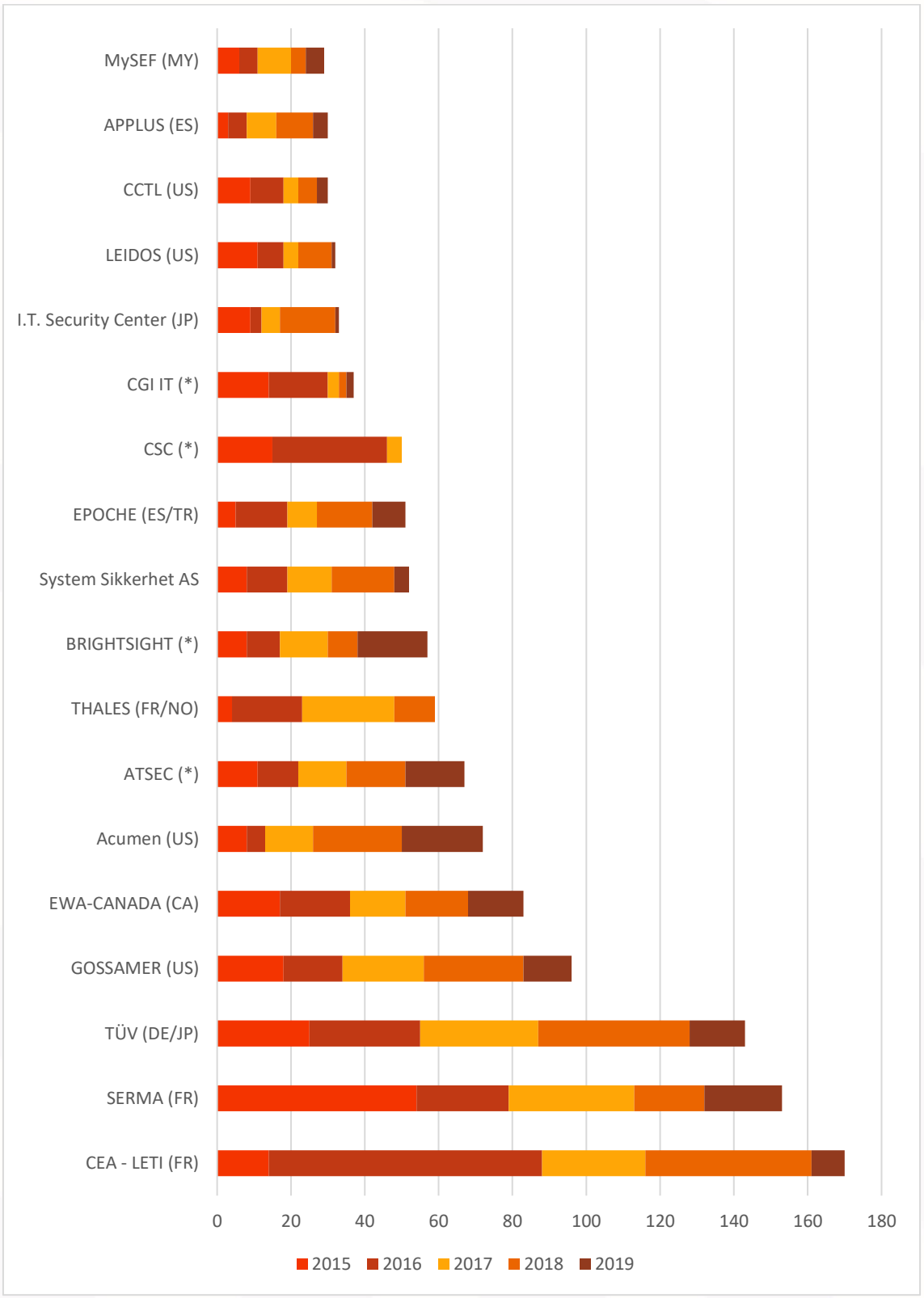
Top manufacturers:



Products by lab and year:



Products by lab and year in the last five years:



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CR

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