TURKISH COMMON CRITERIA CERTIFICATION SCHEME

TSE-CCCS
TURKISH NATIONAL UPDATE, 2013

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Director of TK`s CB

14 th ICCC,10.09.2013,Orlando

TSE-CCCS, Turkey
Up to now:

- ¬20 products certified, 2 PPs have been certified

- ¬15 PPs are under development.

- ¬15 products are under evaluation.

- ¬Many products are in application.

%70 of the products are Smart Cards and Related Devices with EAL 4+ and EAL 5+, the other product categories are Firewalls, PKI, SW Applications, USB Cryptobridge etc.

TSE-CCCS, Turkey Licensed ITSEFs

☐ CC Laboratories

    ¬ 3 licensed ITSEFs.

    ¬ 2 candidate ITSEFs.

3 licensed ITSEFs:

No	LABORATUVARIN ADI / NAME OF LABORATORY	Geçici Lisans Tarihi / Interim Licence	Sürekli Lisans Tarihi / Permenant Licence	ADRES/TEL/FAKS/E-MAIL	İRTİBAT KURULACAK KİŞİ / CONTACT PERSON	LABORATUVAR KAPSAMI / Scope
1	TÜBİTAK BİLGEM Ortak Kriterler Test Merkezi (OKTEM) TÜBİTAK BİLGEM Common Criteria Test Center (OKTEM)	01/02/2008	10/05/2008	TÜBİTAK BİLGEM Ortak Kriterler Test Merkezi (OKTEM) PK:74 41470 KOCAELİ / TÜRKİYE **Tel:** +90 262 6481565 **EMail:** oktem@tubitak.gov.tr TÜBİTAK BİLGEM Common Criteria Test Center (OKTEM) PK:74 41470 KOCAELİ/TURKEY	Betül Soysal	Bilgi Güvenliği ve Bilgi Teknolojisi Ürünleri Information Security and Information Technology Products
2	EPOCHE & ESPRI	10/03/2011	14/06/2012	Avda de la Vega, 1 Edificio VegaNova (Ed 3, 2a-2) 28108 Alcobendas, Madrid /İSPANYA SPAIN **Tel.** +34 91 490 29 00 **Fax.** +34 91 662 53 44 **Email:** mbp@epoche.es	Miguel Banon	Information Security and Information Technology Products
3	CYGNACOM Solutions Inc	04/01/2013	14.03.2013	7925 Jones Branch Drive, Suite 5200 McLean, VA USA 22102-3321 Tel:703-8480883, 703-2703551 Email: selinfo@cynacom.com	Nithya Rachamadugu	Information Security and Information Technology Products

Some of the trainings taken by TSE CCCS Certifiers

-CISSP

-Cyber Security

-Network Security

-EMV Trainings,

-Smart Card Security,

-Side Channel Analysis and Inverse Engineering

-Cryptology

-Certified Ethical Hacker

-QWEB Certification

etc.

Product List (1/6)-Certified,Under Evaluation

Doküman No: YTBD-01-01-LS-04			Tarih: 25/07/2013		Rev. Tarihi: 01/08/2013		Rev. No:01			Sayfa : 1 / 6

Sıra No / Item No	ÜRÜN GELİŞTİRİCİ / SPONSOR / PRODUCT DEVELOPER / SPONSOR	ÜRÜN ADI / VERSİYONU / PRODUCT NAME / VERSION	ÜRÜN TANIMI / PRODUCT DESCRIPTION	DEĞERLENDİRME KRİTERİ / EVALUATION CRITERIA	GARANTİ SEVİYESİ / ASSURANCE LEVEL	DEĞERLENDİREN LABORATUVAR / EVALUATION LABORATORY	BELGELENDİRME DURUMU / CERTIFICATION STATUS	BELGELENDİRME TARİHİ / CERTIFICATION DATE	BELGELENDİRME RAPORU / CERTIFICATION REPORT	GÜVENLİK HEDEFİ / SECURITY TARGET
1	EGA A.Ş	STYB V 0.2	e- imza kök sertifika otoritesi / e- signature root certificate authority	CC V3.1 r2	EAL3+ (AVA_VAN.3, ADV_TDS.3,ADV_IMP.1, ADV_FSP.4, ALC_TAT.1)	TUBITAK BILGEM OKTEM	Belgelendirildi / Certified	17.12.2008		
2	Labris Tek. Bilişim Ltd. Şti.	LABRIS	LABRIS Güvenlik Ağ Geçidi v1.6.7.b / LABRİS Security Network Gate v1.6.7.b	CC V2.3	EAL4+ ALC_FLR.2	TUBITAK BILGEM OKTEM	Belgelendirildi / Certified	28.05.2009		
3	TUBITAK BİLGEM UEKAE	AKIS V1.0	Akıllı kart işletim sistemi / Smart card operating system	CC V2.3	EAL4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Belgelendirildi / Certified	02.02.2010		
4	TUBITAK BİLGEM UEKAE	ESYA V 1.0	X509 tabanlı elektronik sertifika verme ve yönetim aracı / X.509 certificate generation and management system software	CC V3.1 r3	EAL4+ ALC_FLR.2	TUBITAK BILGEM OKTEM	Belgelendirildi / Certified	02.03.2010	ESYA v1.0 Certification Report r1 01.03.2010.pdf	ESYA Security Target Lite v1.0

Product List (2/6)-Certified,Under Evaluation

Doküman No: YTBD-01-01-LS-04				Tarih: 25/07/2013		Rev. Tarihi: 01/08/2013	Rev. No:01		Sayfa : 2 / 6	
5	TUBITAK BİLGEM UEKAE	AKIS Pasaport V1.4 N	Akıllı Kart işletim sistemi temassız, ICAO 9303 uyumlu National Smart Card operating system contactless, ICAO 9303 compatibility	CC V3.1 r3	EAL4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	13.07.2011	AKiS Pasaport v1.4n Certification Report..pdf & AKiS ICAO Pasaport v1.4n Maintanance Report..pdf	AKiS Pasaport v1.4n Security Target Lite & AKiS ICAO Pasaport v1.4n Security Target Lite
6	TUBITAK BİLGEM UEKAE	AKIS V1.2.2 I	Akıllı kart işletim sistemi Smart card operating system	CC V3.1 r3	EAL4+ ALC_DVS.2 AVA.VAN.5	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	09.08.2011	AKiS v1.2.2I Certification Report..pdf	AKiS v1.2.2I Security Target Lite
7	TUBITAK BİLGEM UEKAE	AKIS V1.2.1 N	Akıllı kart işletim sistemi Smart card operating system	CC V3.1 r3	EAL4+ ALC.DVS.2 AVA.VAN.5	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	09.08.2011	AKiS v1.2.2N Certification Report..pdf	AKiS v1.2.2N Security Target Lite
8	TAMARA Elektronik Mühendislik İnşaat Müşavirlik San. ve Tic. Ltd. Şti	USBK Cryptobridge v2.0 Model A101 and Model A103	Integrated system included firmware and hadrware modules which can be categorised as a data protection product	CC V3.1 r3	EAL 2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	13.10.2011	USBK Cryptobridge v2.0 Model A101 and Model A103 Certification Report..pdf	USBK Cryptobridge v2.0 Model A101 and Model A103 Security Target Lite

Common Criteria

Doküman No: YTBD-01-01-LS-04				Tarih: 25/07/2013	Rev. Tarihi: 01/08/2013		Rev. No:01		Sayfa : 3 / 6	
9	TUBITAK BİLGEM UEKAE	KKEC v1.41.06A	Akıllı Kart Erişim Cihazı Smart Card Access Device	CC V3.1 r3	EAL4+ ALC.DVS.2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	21.12.2011	KKEC v1.32.03 Certification Report..pdf	KKEC v 1.32.03 Security Target Lite
10	TUBITAK BİLGEM UEKAE	UKTUM UKT23T64H v4.0	Akıllı kart tüm devresi Smart card integrated circuit	CC V3.1 r3	EAL5+ AVA.VAN.5	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	03.07.2012	UKTUM v4.0 Certification Report..pdf	UKTUM v4.0 Security Target Lite
11	TUBITAK BİLGEM UEKAE	KEC_F PP	Akıllı Kart Erişim Cihazı Gömülü Yazılımı Koruma Profili PP for Smart Card Access Device Firmware	CC V3.1 r3	EAL4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	05.09.2012	KEC_F PP Certification Report..pdf	KEC_F PP
12	TUBITAK BİLGEM UEKAE	UKIS V1.2.2	Ulusal Akıllı Kart işletim sistemi ve eID, PKI Uygulamaları National Smart Card operating system and eID, PKI Applications	CC V3.1 r3	EAL4+ AVA_VAN.5	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	05.09.2012	UKİS V1.2.2 Certification Report..pdf	UKİS V1.2.2 Security Target Lite
13	ASELSAN AŞ.	Virtual Air Gap v1.0.3	Sanal Hava Boşluğu (SAHAB) Virtual Air Gap	CC V3.1 r3	EAL 4+ AVA_VAN.5 ALC_FLR.2	EPOCHE & ESPRI	Belgelendirildi Certified	12.09.2012	VAG v1.0.3 Certification Report..pdf	VAG v1.0.3 Security Target Lite
14	TUBITAK BİLGEM UEKAE	UEKAE Atik Serisi HSM HSM Flow Control Firmware v2.0	Hardware Security Module Flow Control Firmware Donanım Güvenlik Modülü Akış Kontrolü Kazınımı	CC v3.1 r3	EAL 4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified	15.03.2013	HSM v2.0 Certification Report..pdf	HSM v2.0 Security Target Lite

Common Criteria

Product List (4/6)-Certified,Under Evaluation

15	RIOREY	RG10 RX4400 RX2300 RX1800 RE1500 RE500	DDOS Mitigation Appliance	CC V3.1 r3	EAL 4 + ALC_FLR.1	CYGNACOM Solutions Inc.	Belgelendirildi Certified	15.03.2013	RIOREY Certification Report..pdf	RIOREY Security Target Lite
16	TUBITAK BİLGEM UEKAE	UKTUM UKT23T64H v.7.0	Kontaklı Akıllı kart tüm deveresi Smart card integrated circuit	CC V3.1 r3	EAL5+ AVA.VAN.5	TUBITAK BILGEM OKTEM	Belgelendirildi Certified			
17	TUBITAK BİLGEM UEKAE	UKTUM UKT23T64S v1.0	Kontaklı Akıllı kart tüm deveresi Smart card integrated circuit	CC V3.1 r3	EAL5+ AVA.VAN.5	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation			
18	TUBITAK BİLGEM UEKAE	AKiS v1.4i Pasaport	Akıllı Kart İşletim Sistemi- (komposit değ.) Smart Card Operating System- (composit eval.)	CC V3.1 r3	EAL 4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation			
19	Labris Tek. Bilişim Ltd. Şti.	LABRIS Güvenlik Ağ Geçidi Yönetim Merkezi Yazılımı	Güvenlik Ağ Geçidi Yönetim Merkezi Yazılımı Secure Gateway Management Software	CC V3.1 r3	EAL 4+ ALC_FLR.2	BEAM TEKNOLOJİ	Değerlendirmede Under Evaluation			
20	SISOFT Sağlık Bilgi Sistemleri	Sisocare (Sisohbys) v2.0	Sisoft HBYS	CC V3.1 r3	EAL 2	TUBITAK BILGEM OKTEM	Belgelendirildi Certified			

Common Criteria

Product List (5/6)-Certified,Under Evaluation

21	TUBITAK BİLGEM UEKAE	AKIS V 2.2 I	Akıllı kart işletim sistemi- (komposit değ.)\nSmart card operating system (composit eval.)	CC V3.1 r3	EAL4+ ALC_DVS.2	TUBITAK BILGEM OKTEM	Değerlendirmede\nUnder Evaluation		
22	TUBITAK BİLGEM UEKAE	AKIS V 2.2 N	Akıllı kart işletim sistemi- (komposit değ.)\nSmart card operating system (composit eval.)	CC V3.1 r3	EAL4+ ALC.DVS.2	TUBITAK BILGEM OKTEM	Değerlendirmede\nUnder Evaluation		
23	NETSAFE	NetSafe Management Software			EAL 4+ ALC_FLR.2	BEAM TEKNOLOJİ	Değerlendirmede\nUnder Evaluation		
24	TUBITAK BİLGEM UEKAE	Kermensur Portable v1.0			EAL 4 + ALC_FLR.2	TUBITAK BILGEM OKTEM	Belgelendirildi\nCertified		
25	GELIR IŞLERI BAŞKANLIĞI	New generation cash register fiscal application software Protection Profile	IP tabanlı Yazar Kasa Koruma Profili\nIP based Cash Register Protection Profile		EAL 2	TUBITAK BILGEM OKTEM	Belgelendirildi\nCertified		
26	ASELSAN AŞ.	Aselsan Sayısal Takograf Cihazı	Digital Tachograph	CC V3.1 r3	EAL 4 + ATE_DPT.2 AVA_VAN.5	EPOCHE & ESPRI	Değerlendirmede\nUnder Evaluation		

Product List (6/6)-Certified,Under Evaluation

	Doküman No: YTBD-01-01-LS-04				Tarih: 25/07/2013	Rev. Tarihi: 01/08/2013	Rev. No:01		Sayfa : 6 / 6
27	TUBITAK BİLGEM UEKAE	UKIS v2.2	Smart Card Operating Sytem with IC (composite evaluation)	CC V3.1 r4	EAL 4 + ALC_DVS.2 AVA_VAN.5	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
28	PARS AR-GE LTD.	PARS DT-101	Sayısal Takograf	CC V3.1 r3	EAL 4+ ATE_DPT.2 AVA_VAN.5	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
29	TUBITAK BİLGEM	E-Belgem EBYS Software v3.0	EBYS yazılım ürünü	CC V3.1 r4	EAL 3 (ALC_DVS.2)	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
30	NATEK	NATEK Security Manager		CC V3.1 r4	EAL 3	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
31	NATEK	NATEK Network Access Control(NAC)		CC V3.1 R4	EAL 3	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
32	NATEK	NATEK Monitoring		CC V3.1 R4	EAL 3	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		
33	NATEK	NATEK Access Control(DLP)		CC V3.1 R4	EAL 3	TUBITAK BILGEM OKTEM	Değerlendirmede Under Evaluation		

TSE-CCCS, Turkey Protection Profiles

- ¬2 PPs have been certificed
  - KEC_F PP: PP for Smart Card Access Device Firmware
  - PP for IP Cashed Register

- ¬15 PPs are being developed, these PPs have new product category types that, until now there have been no similar PPs exist in www.commoncriteriaportal.org .

TSE-CCCS, Turkey
CYBER SECURITY SPECIAL COMMITY, April 2013

☐ CYBER SECURITY SPECIAL COMMITY

- ¬ 3O External independent Experts

- ¬ 23 new Cyber Security projects, 15 of them are PPs

Projects within the Scope of Cyber Security

1. Secure Web Applications Protection Profile and Secure E-Commerce Criteria

2. Secure EDMS(Electronic Document Management System) Protection Profile

3. Secure GIS (Geographic Information Systems) Protection Profile

4. Basic Level Security Certification

5. Site Security Certification

6. E-Identity Protection Profile

7. GEM Protection Profile

8. Mobile ID Protection Profile

9. Secure IC Protection Profile

10. Embedded Operating System Protection Profile

Projects within the Scope of Cyber Security

11. Determining Criteria for Software Developers and Test Engineers-SCRUM and ISTQB

12. Cloud Computing Standard,Criteria

13. Health Information Management Systems Protection Profile

14. SSL Criteria

15. Determining administrative criteria for companies and staff which do penetration tests

16. Preparing Test Criteria and Security Requirements for Biometric Products and PP

17. E-Passport

18. E-signature

19. E-driver's license

Projects within the Scope of Cyber Security

20. Data Centers (System Rooms) Certification

21. IT Products Vulnerability Gap Library Meetings

22. Determining Technical Criteria for Penetration Tests

23. Preparing training content of theoretical and practical Penetration Test Demo Laboratory

24. Web Services PP
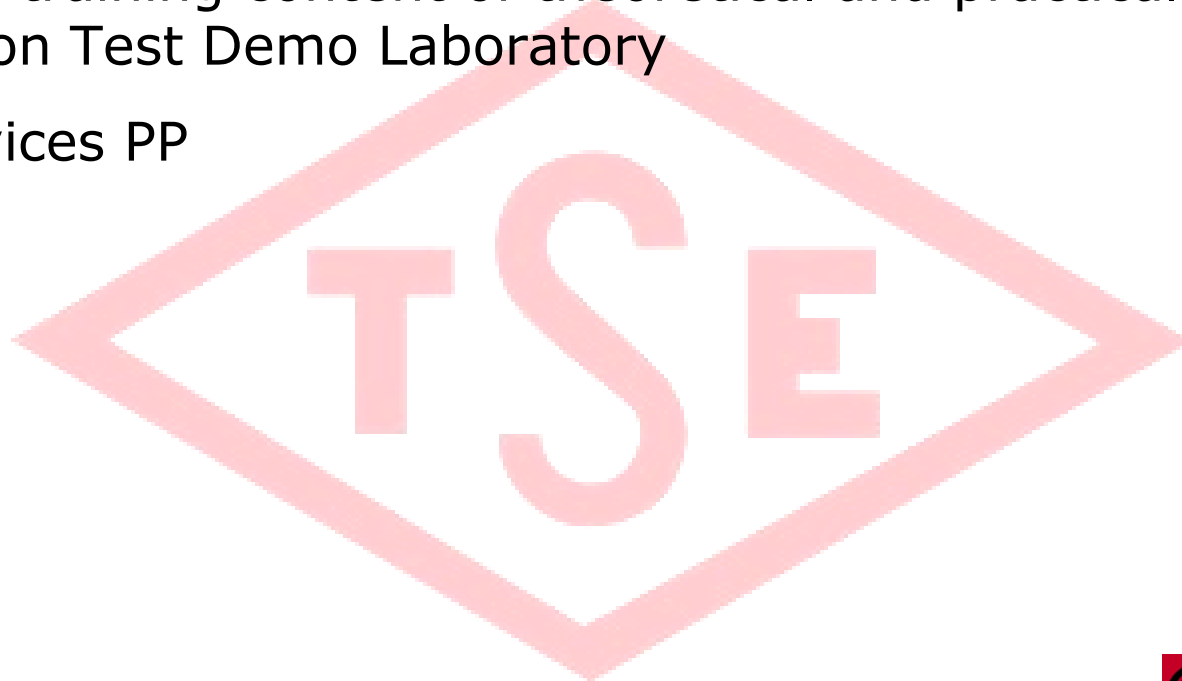
Projects within the Scope of Cyber Security

Just Completed

- Site Security Certification

- Basic Level Security Certification

Projects within the Scope of Cyber Security

Site Security Certification

- Two external experts worked for this project

- Providing the certification of developing campus of products subjects to Common Criteria Certification

- An approach to reduce cost and time for CC

Projects within the Scope of Cyber Security

Basic Security Certification

- Two external expert worked for this project

- A security evaluation program aiming simple,fast and effective evaluation

- Evaluation time is normally 35 man/days. Total time is 8 weeks for certification.

Projects within the Scope of Cyber Security

Health Information Management Systems PP

- Six external experts (in different disciplines) have been working for this project

- Providing a standardization on Health Informatics Systems

Projects within the Scope of Cyber Security

Secure GIS (Geographic Information Systems) Protection Profile

- Two external experts have been working for this project

- Providing a standardization on Geographic Informatics Systems and determining minimum security requirements

Projects within the Scope of Cyber Security

Preparing Test Criteria and Security Requirements for Biometric Products

- One Internal,Six external experts have been working for this project

- Contribution of the Establishment Turkish National Police

- Developing new generation biometric sensor,implementing attacks and detecting countermeasures by developing test methods

- Determining minimum security requriments for biometric products

- Preparing Protectection Profile for Biometric Products

Projects within the Scope of Cyber Security

Cloud Computing Standard,Criteria

- Two external experts have been working for this project

- Developing Cloud IT standard and criteria by analysing security risks,assests.

Projects within the Scope of Cyber Security

Ethical Hacker Certification

- Evaluating staff and companies which do penetration tests in terms of administrative criteria

- Checking if white hat hackers provide criteria or not

SCS-TURKEY
SMART CARD SECURITY
TURKEY CONSOURTIUM, December 2012

SCS-Turkey`s Members:

- TSE-CCCS

- TÜBİTAK BİLGEM UEKAE (Smart Card Developers)

- TÜBİTAK BİLGEM OKTEM (ITSEF)

- 3 UNIVERSITIES

- Many developers…

To summarise CC;

- % 70 of ongoing and certified products are Smart Cards and Related Devices,

- 20 products certified

- 2 PPs are certified

- 15 ongoing, 4 at application

- 15 PPs are being developed

- More contacts with international vendors…

CRYPTO MODUL VALIDATION PROGRAM
&
CRYPTO ALGORITHM VALIDATION PROGRAM

TSE-CMVP
TSE-CAVP, Turkey

☐ ISO/IEC 19790 and ISO/IEC 24759-Crypto Modul Evaluation and Certifications

¬ 3 approved labs.

- Epoche & Espri

- Tübitak Bilgem OKTEM

- Cygnacom

THANK YOU

Mariye Umay Akkaya
Zumrut Muftuoglu

Turkish Standards Institution
Common Criteria Certification Scheme,
TURKEY