CSfC Bits & Bytes

Quarterly Newsletter

From the CSfC Director's Desk...

Welcome to the latest edition of Bits & Bytes, a quarterly publication dedicated to all things CSfC.

The last few months have been busy ones, and I've heard from many of you - through our monthly dial-in TechTalks, through the CSfC inbox (csfc@nsa.gov), and at multiple outreach events. Your input continues to guide and improve the program.

Based on your feedback, I've initiated several efforts within the CSfC program, aimed at improving its responsiveness and to better meet the need of all our clients and customers. You'll hear more about these efforts in the near future, but they include:

* CP Developments — such as the Tactical CP and the WIDS/WIPS Annex
* Exploring options for a technical forum, bringing together CSfC cadre, customers, integrators and component vendors
* Review and update of CSfC's defining documents, beginning with the CSfC Criteria for Integrators
* Addition of new CSfC components, to include more selections per category
* Continued improvement in the turnaround time for CSfC solution registrations

Please join me at our regularly scheduled CSfC dial-in "TechTalks" for updates on the CSfC program and to continue to communicate your thoughts and suggestions. We look forward to continuing to work with you,

John

T. John Dunker
Director, Commercial Solutions for Classified
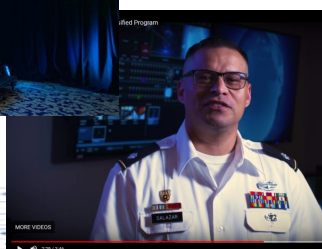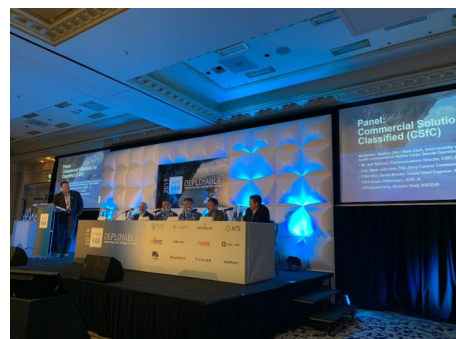
Registration Information

The CSfC PMO, in partnership with the requesting AO, guides a client's solution registration request through a comprehensive process to insure that security safeguards are balanced against mission requirements. What can you do to help smooth the process?

Helpful Tips

◊ *Begin discussions with the PMO early—we can help guide you through the process*

◊ *Make deviations an exception but when they're necessary, include a complete explanation and a strong justification*
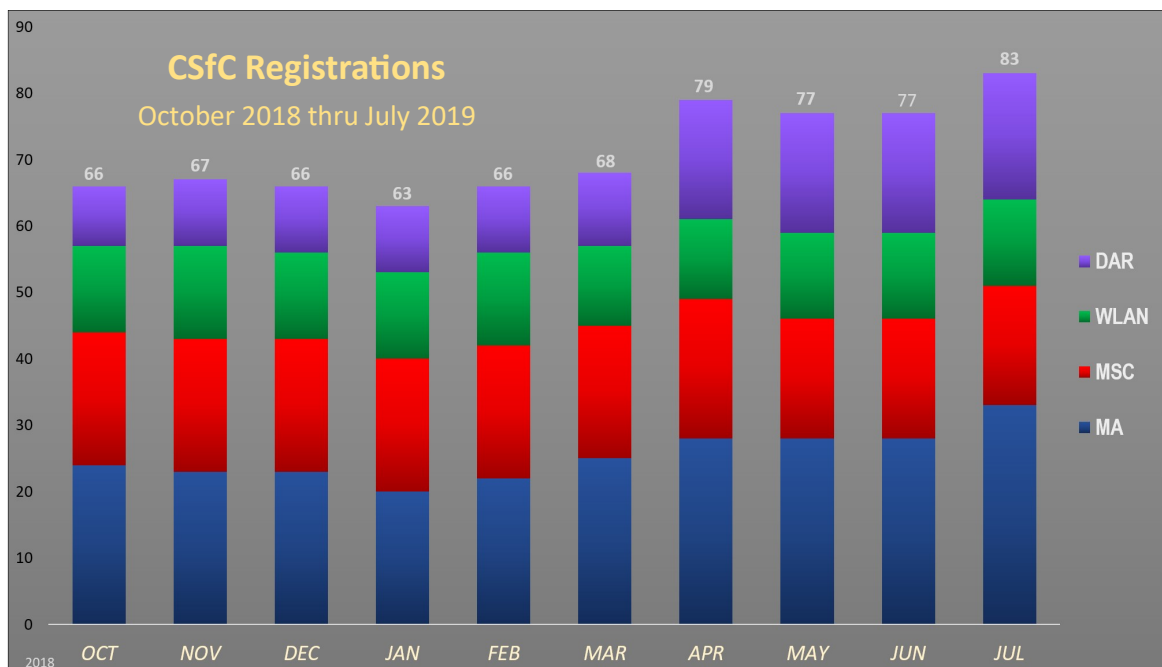
There is no question that deviations increase a registration's approval time, as each must be assessed for impact and risk against the overall solution architecture, the mission, the location and other factors. Be candid about deviations on your registration — the sooner they are addressed and mitigated, the sooner the solution can become active.

CSfC Registration Snapshot

The CSfC PMO has reached a new milestone —
- the largest number of solution registrations in the program's history!

As illustrated by the snapshot below, CSfC continues to serve as an important component in NSA's commercial cybersecurity and assurance strategy. The graph shows CSfC customer solutions—registered and in the process of registering—over a 10-month period, through July of this year. Some takeaways:

◊ *As expected, Mobile Access (MA) is the most frequently registered solution, a trend that we see continuing*

◊ *The largest percentage increase in registrations by type is Data at Rest (DAR)*

CSfC Registrations
October 2018 thru July 2019

Month	Total
OCT	66
NOV	67
DEC	66
JAN	63
FEB	66
MAR	68
APR	79
MAY	77
JUN	77
JUL	83

Legend: DAR, WLAN, MSC, MA

2018

WHAT'S NEW ?

CSfC Capability Package Updates

Capability Packages (CPs) and associated CP Annexes are reviewed, updated, commented, adjudicated and published for use on a regular basis. Highlights include:

Current Updates:

◊ Enterprise Gray Annex v1.0 published for use, April 2019

◊ WIDS/WIPS Annex out for comment, September 2019

Planned Updates and Development:

◊ DAR CP v4.8 update to include new capabilities such as Enterprise Management & Unattended Operations use cases.
  ◊ Estimated release for comment: Fall 2019

◊ Initial approval to explore development of a CP to support "tactical" NSS customers whose needs do not fall under existing CPs
  ◊ Estimated release for comment: Spring 2020

◊ Continuous Monitoring Annex Development, updating & consolidating monitoring requirements form multiple CPs
  ◊ Estimated release for comment: Spring 2020

◊ Campus WLAN CP update to include minor corrections, alignment of WIDS/WIPS requirements into a separate annex, possible inclusion of WPA3 and consistency with other data-in-transit CPs and annexes
  ◊ Estimated initial release: TBD

CP versus Annex

A CSfC Capability Package (CP) provides vendor-agnostic requirements that allows for successful implement of a solution for an identified architectural area (e.g. DAR or WLAN)

A CP Annex is similar in that it provides vendor-agnostic guidance, however, it collates requirements that can be applied to more than one CP. This fosters faster documentation updates and helps drive consistency across all CPs.

CSfC Capability Packages
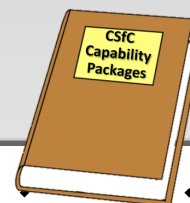
This table lists U.S. Government Protection Profiles currently being developed or modified and gives a general indication of their current status. For additional information, please send inquiries to:

niap@niap-ccevs.org

Information on NIAP-validated products can be found on the NIAP website on the CCEVS Product Compliant List page

Protection Profiles in Development Status As of 10 SEP 2019
PP-Module for Bluetooth Version 1.0
Protection Profile for Endpoint Detection and Response Version 1.0
PP-Module for Host Agent Version 1.0
Protection Profile for Software Defined Network Controller Version 1.0
PP-Module for Wireless Intrusion Detection System Version 1.0

For info on NIAP /CSfC FAQs, visit the NIAP webpage

https://www.niap-ccevs.org/Ref/FAQ.cfm#cat37

WHAT'S NEW ?

New CSfC Integrators

The following recently achieved CSfC Trusted Integrator status:

- ✔ ID Technologies
- ✔ Kord Technologies Inc
- ✔ Leidos Innovations Corp
- ✔ LinQuest Corp
- ✔ IAP Worldwide Services
- ✔ Raytheon Space & Airborne Systems
- ✔ NCI Information Systems

> In the coming months, the CSfC PMO will be updating some of its core documents, to include the Criteria for Integrators.
>
> It is our responsibility to continue to vet CSfC integrators to ensure the best possible support to our government customers

CSfC Component Updates

The CSfC Component List continues to grow, both in volume and in breadth. Notably:

- Customers now have a **choice of CAs** for increased diversity
- CSfC has its **first Web Browser** on the Components List

See a summary of changes to the CSfC Component List continues on the following pages and, as always, more complete information is available on the website:

https://www.nsa.gov/Resources/Everyone/csfc/Capability-Packages/

> A CSfC program tenet:
> *The vendor for one layer of protection is different*
> *from the vendor for the second layer of protection...*
>
> Product and vendor diversity are a key component of layered security solutions; CSfC will continue to encourage additional products within CSfC canisters

WHAT'S NEW ?

ARCHIVED CSfC COMPONENETS

Jan—Aug 2019

End User Device / Mobile Platform			
Cog Systems	D4 Secure, HTC A9	V1.1	30-Jul-19
Getac Technology Corp	MX50 Mobile Device	Android 5.1.1	07-May-19
Microsoft	Win 10 with Surface Pro 4, Surface Book, & Dell Latitude 5580	Win 10	07-May-19
Samsung Research America	Galaxy Devices w/Android 7	Android 7	30-Jul-19

File Encryption			
Trivalent	Android Protection SDK	V2.13	07-May-19

IPS			
Juniper	SRX Product Series	JUNOS 15.1x49-D60	12-Aug-19
Juniper	SRX Product Series	JUNOS 12.3x48-D30	12-Aug-19

IPSec VPN Client			
Aruba	Remote Access Point (108 & 109 families)	v6.5.0	10-Apr-19
Aruba	Remote Access Point (205-H)	V6.5.0	10-Apr-19
Cisco	1000V Cloud Services Router	IOS XE 3.16	04-Feb-19
Cisco	AnyConnect Secure Mobility for Win10	V4.3	04-Feb-19
Cisco	AnyConnect Secure Mobility Client for Android 6	v4.0	10-Apr-19
Microsoft	Windows	Server 2016	04-Feb-19
Microsoft	Windows VPN Client	Win10	04-Feb-19
Oceus Networks	VPN Client	Android v5.1-6	10-Apr-19
Samsung Research America	Galaxy Note 4	Android 6.0.1	04-Feb-19
Samsung Research America	Galaxy Note Edge	Android 6.0.1	04-Feb-19
Samsung Research America	Galaxy VPN Client on Android 7	Android 7	30-Jul-19
Unisys Federal	Stealth Solution	v3.0 & 3.3	04-Feb-19

SIP Server			
Secusmart	SecuSUITE SIP Server	v1.0	26-Jun-19

For details and specifics about CSfC components, visit the website at:
https://www.nsa.gov/Resources/Everyone/csfc/Components-List/

More Recently Archived Components ➡

WHAT'S NEW ?

IPSec VPN Gateway			
CIsco	ASA 5500 Series	v9.6	07-May-19
Cisco	ASAv running on ESXi 5.5 or 6.0	v9.6	07-May-19
Information Assurance Specialists	Stand Alone Routers (PICO and Graphite)	IASRouter-2.2.0	30-May-19
Information Assurance Specialists	VPN Gateway Modules (COMPACT, NANO and NANO Plus)	IASRouter-2.2.0	30-May-19
Juniper	SRX Product Series	JUNOS 15.1x49-D60	12-Aug-19
Juniper	SRX Product Series	JUNOS 12.3x48-D30	12-Aug-19

MDM			
Samsung SDS	Enterprise Mobility Mgmt	v1.5.1	04-Feb-19
VMWare AirWatch	Enterprise Mobility Mgmt	v9.x	28-Mar-19

TLS Protected Servers			
Microsoft	Windows	Server 2010	23-Aug-19

TLS Protected Servers			
Microsoft	Windows	Server 2010	23-Aug-19

Traffic Filtering Firewall			
Juniper Systems	JUNOS SRX Product Series	JUNOS 12.3x48-D30	12-Aug-19
Juniper Systems	JUNOS SRX Product Series	JUNOS 15.1x49-D60	12-Aug-19
Cisco	ASA 5500 Series	v9.6	07-May-19
Cisco	ASAv running on ESCXi 5.5 or 6.0	v9.6	07-May-19

VoIP Applications			
Cisco	Jabber for Win10	V11.8	30-Jul-19
Cisco	Jabber for Android	V11.7	10-Apr-19
Cisco	Jabber for iPhone/iPad	V11.7	10-Apr-19

REMEMBER

Products included on the Archived Components List are no longer approved for use in new CSfC solution registrations. CSfC customers using products from the Archived Components List must transition to products on the CSfC Components List within two years of the "date removed"

WHAT'S NEW ?

COMPONENTS RECENTLY ADDED to CSfC

Jan—Aug 2019

Certificate Authority		
Red Hat	Red Hat Certificate System	V9.4

Web Browser		
Apple	iOS Safari	iOS 11

End User Device / Mobile Platform		
Apple	iPhone & iPad (specific processors & models)	iOS 12
Samsung Research America	Galaxy Devices on Android 8	
Samsung Research America	Galaxy Devices w/Android 8 & 8.1	
Samsung Research America	Galaxy Devices on Android 9 (specified models)	

Authentication Server		
Cisco	ID Services Engine on 3415, 3515, 495 & 3595 appliances	V2.2

IPSec VPN Client		
Apple	iPhone & iPad (specific processors & models)	iOS 12
Cisco	AnyConnect Secure Mobility Client for iOS 11.2	v4.7
Cisco	AnyConnect Secure Mobility Client for Win10	v4.7
Samsung Research America	Galaxy VPN Client on Android 7	
Samsung Research America	Galaxy VPN Client on Android 7.1	
Samsung Research America	Galaxy Devices on Android 8	
Samsung Research America	Galaxy Devices w/Android 8 & 8.1	
Samsung Research America	Galaxy Devices on Android 9 (specified models)	

For details and specifics about CSfC components, visit the website at:
https://www.nsa.gov/Resources/Everyone/csfc/Components-List/

More Recently Added Components ➡

WHAT'S NEW ?

COMPONENTS RECENTLY ADDED to CSfC, cont...

Jan—Aug 2019

IPS		
Cisco	Firepower Threat Defense on ASA & Virtual Firepower Threat Defense	
Cisco	Firepower Threat Defense on 4k & 9k families	FTD v6.2
Cisco	Firepower Threat Defense on 2k families	FTD v6.2
Juniper Systems	vSRX series	vJUNOS 17.4RI

IPSec VPN Gateway		
Aruba	Aruba Remote Access Point Series w/ Aruba Mobility Controllers	ArubaOS v8.2
Cisco	Firepower Threat Defense on ASA & Virtual Firepower Threat Defense	
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on Firepower 2100 series	ASA v9.8
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on 4k & 9k families	ASA v9.8
Cisco	Firepower 4100 9.6 & 9300 9.6 w/FX-OS v2.0	ASA v9.6
Cisco	Firepower Threat Defense v6.2 & FX-OS v2.2 on 4k & 9k families	FTD v6.2
Cisco	Firepower Threat Defense v6.2 & FX-OS v2.2 on 2k families	FTD v6.2
Cisco	Firepower Threat Defense on ASA & Virtual Firepower Threat Defense	ASA v6.2
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on Firepower 2100 series	ASA v9.8
Cisco	Cisco Aggregation Series Router 1000 Series (ASR1K)	IOSXE 16.9
Cisco	ISR 4K	iOS XEv16.9
Cisco	ISR 1100 Product Series	iOS XE v16.9
Cisco	Cloud Services Router on UCS and ESXI rel2	iOS-XE 16.9
Juniper Systems	vSRX series	vJUNOS 17.4RI

For details and specifics about CSfC components, visit the website at:
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More Recently Added Components ➡

WHAT'S NEW ?

COMPONENTS RECENTLY ADDED to CSfC, *cont...*

Jan—Aug 2019

Traffic Filtering Firewall		
Cisco	Firepower Threat Defense on ASA & Virtual Firepower Threat Defense	
Cisco	Firepower 4100 9.6 & 9300 9.6 w/FX-OS v2.0	ASA v9.8
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on Firepower 2100 series	ASA v9.8 & FTD v6.2
Cisco	Firepower Threat Defense v6,2 & FX-OS v2.2 on 4k & 9k families	FTD v6.2
Cisco	Firepower Threat Defense v6.2 & FX-OS v2.2 on 2k families	FTD v6.2
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on Firepower 2100 series	ASA v9.8
Cisco	NGFW running ASA v9.8 & FX-OS v2.2 on 4k & 9k famili	ASA v9.8
F5 Networks	BIG-IP for LTM+AFM	v12.1.3.4
Juniper Systems	vSRX series	vJUNOS 17.4RI

MACSec Ethernet Encryption Devices		
Juniper	JUNOS Product Series	18.3R 1-51
Cisco	Catalyst 9300 & 9500 Series Switches	iOS XE v16.9
Cisco	Catalyst 3650 & 3850 Series Switches	iOS XE v16.9
Cisco	Cisco Aggregation Services Router 1000 Series (ASR1K)	iOS-XE 16.9
Cisco	ISR 4K	iOS XE v16.9

Session Border Controller		
Cisco	CUBE on Cloud Services Router 1000v	iOS SE v16.9
Cisco	Expressway Series	vX12.5

For details and specifics about CSfC components, visit the website at:
https://www.nsa.gov/Resources/Everyone/csfc/Components-List/

More Recently Added Components ➡

WHAT'S NEW ?

COMPONENTS RECENTLY ADDED to CSfC, cont...
Jan—Aug 2019

MDM		
Blackberry	Enterprise Service	V12.5

WLAN Access Systems		
Cisco	Wireless LAN (specified controllers & Aironet Access Points)	V2.0

Hardware Full Drive Encryption		
Curtiss-Wright Defense Solutions	CNS4 SW Encryption Layer	CentOS (Linux)

Software Full Drive Encryption		
Curtiss-Wright Defense Solutions	CNS4 SW Encryption Layer	A1

VOIP Applications		
Cisco	Jabber for Android 8 & iOS 12	v12.5
Cisco	Jabber for Win10	v12.5
CellCrypt	CellCrypt Federal	V2.0

CSfC and CDS

CSfC does not "approve" Cross Domain Solutions (CDS). Although CDS devices might be included in a customer's overall CSfC solution, they are not strictly a cryptographic solution and are beyond the purview of the CSfC program. The National Cross Domain Solution Management Office (NCDSMO) hosts web sites on SIPRnet and JWICS to support the CDS Community needs for CDS information. On these sites, users will find CDS policy, contracts, and a CDS Portfolio that includes the CDS Baseline and CDS Sunset List. For more information, contact the Cross Domain Support Element (CDSE).

CSfC Buzz

where we'll be & what we're hearing

Visit CSfC on the Web at:
https://www.nsa.gov/resources/everyone/csfc/

CSfC the Movie

Link to the new CSfC YouTube video on our website

CSfC on the Web:

♦ CSfC at FedTech, FedTech Insider, Why You Should Consider the NSA's CSfC Program, 6 Jan 2019

https://fedtechmagazine.com/article/2019/01/why-you-should-consider-nsas-commercial-solutions-classified-program

♦ CSfC panel participation at AFCEA, Signal Magazine, 16 Nov 2018

https://www.afcea.org/content/node/20039/?

♦ DISA Look Book: CSfC; 2018

https://www.youtube.com/watch?v=crSeZRdZsBk

CSfC Technical Forum?

CSfC is looking at the possibility of hosting a program-focused, technical forum, bringing together CSfC Customers, Integrators and Component Vendors for a multi-day discussion aimed at fostering technical understanding of the program; identifying requirements and common issues; & collaboratively identifying potential solutions.

Stay tuned...

Upcoming Events:

♦ CSfC Tech Day: Convergence of Data at Rest and Data in Transit
   10 Oct 2019; Mercury Systems (sponsor), Columbia MD

♦ AFCEA Indo-Pacific Conference
   19-21 Nov 2019, Honolulu, HI

CYBERSECURITY SOLUTIONS