



ISSUE
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THE CYBERSENTINEL

The official newsletter of CyberPatriot—AFA's National Youth Cyber Education Program

COMMISSIONER'S CACHE



Here we go! The CP-X season has arrived, and we are confident it will be the biggest and best CyberPatriot season in history. And speaking of history, we just rewrote it. As I type this, CyberPatriot just broke the 5,200 registered teams level for CP-X. By any measure, that is amazing!

There is plenty to read in this issue of *The CyberSentinel*. You can take a look at a picture of yours truly presenting a token of appreciation to executives of our newest sponsor, The Boeing Company. Also note the photo of our outstanding National Coach of the Year, Mandy Galante, and CyberPatriot National Mentor of the Year, Rob Karas, being recognized at AFA's recent Air, Space & Cyber Conference. We are so proud of them and of all of our wonderful coaches and mentors. Also, pay attention please to information in these pages regarding availability of air cards from our generous sponsor AT&T.

As always, thank you for your support of CyberPatriot. To our sponsors—led by Northrop Grumman Foundation—we couldn't do it without you, truly. To our coaches and mentors, thank you for your generous volunteerism. To our AFA "evangelists," thank you for promoting the nation's biggest cyber defense competition.

And to our competitors, it's go time!

Bernard K. Skoch | National Commissioner



DATES TO KNOW

OCT. 4	CP-X Team Registration Deadline
OCT. 6	Start of CP-X Practice Round
OCT. 10	End of Training Round
OCT. 17	End of CP-X Practice Round
NOV. 2	Competitor Registration & Payment Deadline
NOV. 3-5	CyberPatriot X Round 1

BIGGEST SEASON EVER

5,200
TEAMS AND COUNTING

[Watch the new CP-X Video!](#)

IMAGE CHANGES FOR COMPETITION; PRACTICE ROUND OCT. 6-17

The Sept. 23 Sneak Preview of the new CyberPatriot Competition System went very well. Based on feedback from the participants, changes to the CP-X images will be incorporated into the Practice Round and competition images. Among the changes are:

- **Stop Scoring and Shutdown Button.** The button is an icon located on the desktop. It allows a team to shutdown an image and record its current score on the server.
- **Invalid Tier Message.** If a team uses an incorrect image, the Invalid Tier message will appear on the on the image's Scoring Report.
- **12 Character Team Unique Identifier.** There

are now 12 characters in the Unique Identifier. It will appear in the following format: XXXX-XXXX-XXXX.

Practice Round

The Practice Round will be held Oct. 6-17 and the image and download instructions are scheduled to be sent to Coaches at 5:00 p.m. ET on Oct. 6. The round will end at 11:59 p.m. on Oct. 17. The images for the Practice Round are:

- Windows Server 2016
- Windows 10
- Ubuntu 16

Unlike the competition, teams will be able to use the images during the entire period and

run multiple instances of an image. Download instructions will also be published on the Coach's Dashboard on Oct. 9.

Cisco Networking Practice and Linux

Cisco Networking Challenge practice will begin by Oct. 13 and will be available for the rest of the season. Teams will use the Cisco login and password located on the Coach's Dashboard to access the Networking Challenge Practice.

Two Linux courses will be available for registered Coaches, Mentors, and Competitors in their Networking Academy account. The courses should be available to all enrolled CyberPatriot Coaches on or before Oct. 10. Mentors and Competitors will be enrolled weekly.

FINAL REGISTRATION TASKS (Nov. 2)

1. VERIFICATION/APPROVAL: Team applications must be verified by the Verification Official listed on the form. School-based teams must be verified by a school administrator (principal or assistant principal) or department head. Teams registered as part of a non-school organization must be verified by the organizational equivalent. Individuals CANNOT verify themselves. Once verified, final approval is granted by the CyberPatriot Program Office.

2. ADDING COMPETITORS: Competitors cannot be added until the team has been approved. When you add a competitor to your roster, he or she is automatically emailed a link to a Competitor Questionnaire. Competitors should do their best to complete this questionnaire by Nov. 2 in order to be fully registered.

Options ▾

- Register Competitor
- Request waiver
- Pay by credit card
- View invoice PDF
- Edit Team Info

3. REQUESTING FEE WAIVER (IF APPLICABLE): Title I Schools, and teams of all girls may request a fee waiver from the dashboard. Title I schools must provide a letter from the principal with evidence of Title I status.

4. PAYMENT (IF APPLICABLE): Invoices are available on the dashboard. Payment can be made by P.O., credit card, or check. Checks should be made out to "Air Force Association" and mailed to 1501 Lee Hwy, Suite 400, Arlington, VA 22209. Scores will be withheld from teams who fail to pay by the Nov. 2 deadline. As a reminder, the team fees are:

High School: \$205/team Middle School: \$165/team



Coach of the Year Mandy Galante (right) and Mentor of the Year Rob Karas (left) were recognized at the Air Force Association's Field Awards Reception. Congrats!



During AFA's Air, Space & Cyber Conference, Commissioner Bernie Skoch (center) had the opportunity to present Boeing vice presidents Chuck Johnson (left) and Jack Catton (right), with a sponsor appreciation award. Boeing joined as a Cyber Diamond level sponsor over the summer.

AT&T AIR CARD AVAILABILITY

We are excited to announce that AT&T will again generously provide air cards for teams that need connectivity support for the CyberPatriot competition. Each Coach may request up to three air cards for each



of their teams for the duration of the online rounds. Competitors, Mentors, and Team Assistants may **not** request air cards. All air cards are accountable and must be returned at the end of this season's CyberPatriot competition. Coaches will be invoiced **\$75** per missing device for any unreturned air card. In addition, any team that did not return their air cards from previous seasons will not be eligible to receive air cards this season.

The CyberPatriot Program Office is committed to ensuring that as many teams as possible are able to compete in the competition. Due to the limited supply of air cards, teams that are unable to participate in CyberPatriot without these devices will be given priority. For those teams using air cards as a backup Internet option, please take these teams' participation in to consideration. Air card usage will be tracked. Please note: based on availability and demand, teams may not receive the total number of air cards requested.

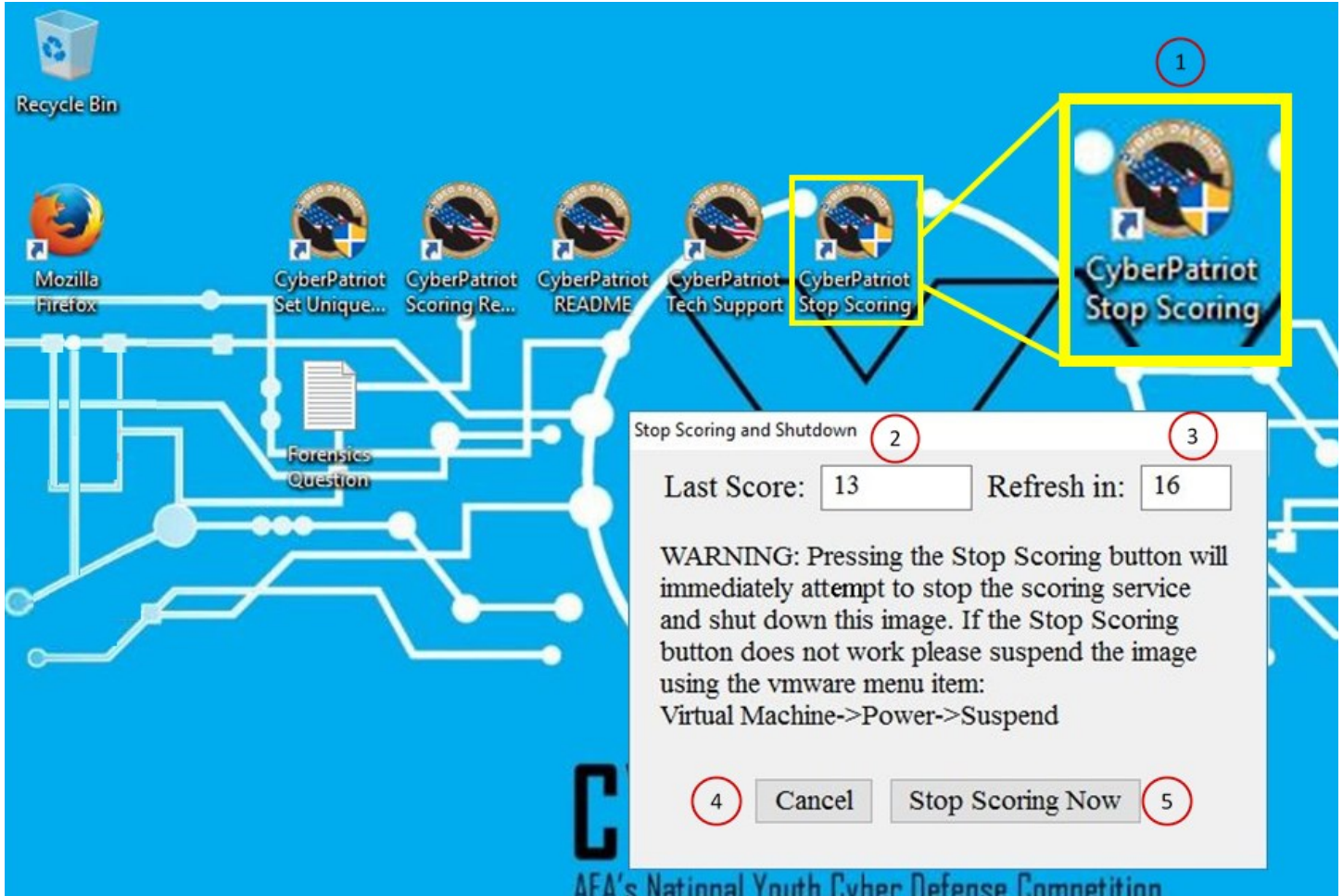
More information regarding air card requests will be sent out via email on Friday, Oct. 6, once registration has closed. We expect to have all air cards mailed out to teams beginning the second week of the Practice Round.

Coaches' Corner

- **Registration Fees.** The registration fees for CP-X are as listed below:
High School: \$205/team
Middle School: \$165/team
CAP/JROTC/NSCC: Waived
Title I Schools/All-Girls Teams: Waived upon request

The deadline to pay for your team is November 2. This is also the deadline to be verified/approved and to register your competitors.

SPOTLIGHT: CHANGES TO CYBERPATRIOT COMPETITION SYSTEM (CCS)



CyberPatriot Scoring Report

CP-X Sneak Preview Middle School Windows 10

Report Generated At: 2017/09/20 18:05:40 UTC

Approximate Image Running Time: 00:08:00

Approximate Team Running Time: 00:08:00

Current Team ID: **BCOD-0FGH-IJK1**

Feedback disabled: Invalid tier 6

? out of ? points received

This is your most recent scoring report

[Click here to see the most recent scoring report with feedback enabled](#)

Connection Status: **Scoring Data Uploaded Successfully: No Errors Detected**

Internet Connectivity Check: **OK**

CyberPatriot Connection Status: **OK**

CyberPatriot Score Upload Status: **OK**

? penalties assessed, for a loss of ? points:

? out of ? scored security issues fixed, for a gain of ? points:

The CyberPatriot Competition System is the property of the Air Force Association and the University of Texas at San Antonio.

All rights reserved.

Set Unique Identifier Utility

Enter Your 12 Character Unique Identifier*:

7 EXAM - PLEU - NOUI Apply

*Not Your Team Number

*Looks Similar To: QR98-7EY8-AJEH

KEY TO IMAGE CHANGES

- 1 **Stop Scoring and Shutdown Icon.** Clicking begins score-saving and image shut-down process.
- 2 **Last Score.** Score that will be saved.
- 3 **Refresh in.** Number of seconds before score is refreshed.
- 4 **Cancel.** Click to cancel score saving process.
- 5 **Stop Scoring Now.** Click to save score and shutdown image.
- 6 **Feedback disabled: Invalid tier.** Displays on Scoring Report page if a Unique Identifier belonging to the wrong tier is entered.
- 7 **12 Character Team Unique Identifier.** Found on Coach's Dashboard.

OCT
17

OCTOBER IS NATIONAL CYBERSECURITY AWARENESS MONTH!

SECURING THE INTERNET IS OUR SHARED RESPONSIBILITY

October is National Cyber Security Awareness Month (NCSAM) which is an annual campaign to raise awareness about the importance of cybersecurity. The Internet touches almost all aspects of everyone's daily life, whether we realize it or not. NCSAM is designed to engage and educate public and private sector partners through events and initiatives to raise awareness about the importance of cybersecurity, provide them with tools and resources needed to stay safe online, and increase the resiliency of the Nation in the event of a cyber incident.



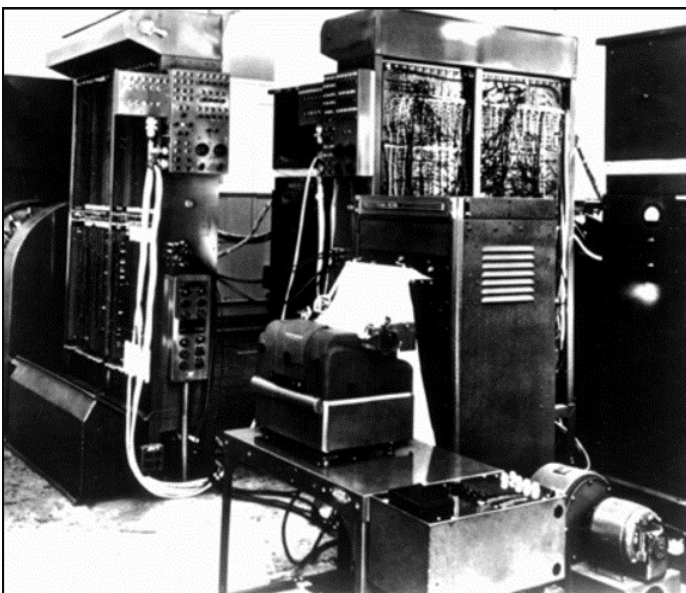
National Cyber Security
Awareness Month

*Get involved and promote
a safer internet for everyone!*

STAYSAFEONLINE.ORG/NCSAM



#CyberAware



THIS MONTH IN CYBER HISTORY

Oct. 9, 1947 — In October of 1947, a contract was signed to develop the BINAC.

The "BINary Automatic Computer" was the only computer ever built by the Eckert-Mauchly Computer Co., founded by ENIAC pioneers J. Presper Eckert and John Mauchly. The company became a division of Remington Rand Corp. before completing its next project, the UNIVAC. The first electronic digital computer with a stored-program capability to be completed in the United States, the BINAC had a capacity of 512 words. It used an electromechanically controlled typewriter to both input data directly onto magnetic tape and to print results.

At a price of \$278,000, the BINAC improved on the ENIAC primarily by improving speed and power with only 700 vacuum tubes instead of 18,000.

For more information, visit:

<http://www.computerhistory.org/t dih/October/9/>

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