Welcome

Framework for Improving Critical Infrastructure Cybersecurity

May 2017

cyberframework@nist.gov

NIST
National Institute of Standards and Technology
U.S. Department of Commerce

Conference Resources and Media

nist.gov/cyberframework

#CyberFramework

NIST welcomes press and bloggers

High-Level Agenda

Day 1	Day 2
Panels and Presentations 8:30AM – 12:30PM Red Auditorium Break – 10:30-10:45AM	**Working Session III** 9AM-12:30PM multiple rooms Break – 10:30-11AM
Lunch 12:30 – 1:45PM	**Lunch** 12:30-1:30PM
Working Session I 1:45-3:15PM multiple rooms	**Readout Panels** 1:30-3:30PM Red Auditorium
Break 3:15-3:30PM	
Working Session II 3:30-5PM multiple rooms	

More detailed agenda available at registration desk and nist.gov/cyberframework

Rooms for Working Sessions are marked with signs

Charter

Improving Critical Infrastructure Cybersecurity

February 12, 2013

"It is the policy of the United States to enhance the security and resilience of the Nation's critical infrastructure and to maintain a cyber environment that encourages efficiency, innovation, and economic prosperity while promoting safety, security, business confidentiality, privacy, and civil liberties"

Executive Order 13636

December 18, 2014

Amends the National Institute of Standards and Technology Act (15 U.S.C. 272(c)) to say:

"…on an ongoing basis, facilitate and support the development of a ***voluntary****,* ***consensus-based****,* ***industry-led*** *set of standards, guidelines, best practices, methodologies, procedures, and processes to cost-effectively reduce cyber risks to critical infrastructure"*

Cybersecurity Enhancement Act of 2014 (P.L. 113-274)

A Common Language

Foundational for Integrated Teams

(v) “Effective risk management requires agency heads to lead **integrated teams** of senior executives with expertise in IT, security, budgeting, acquisition, law, privacy, and human resources.”

Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure

A Common Language

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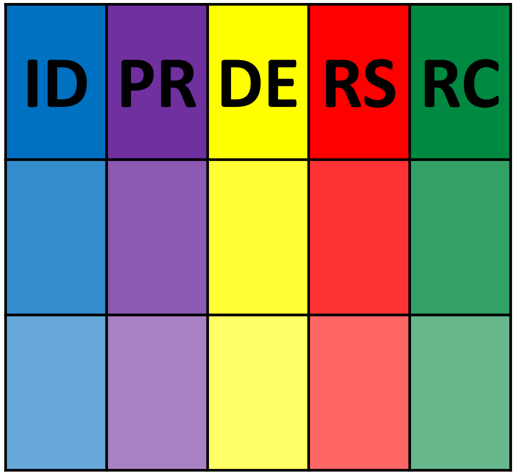
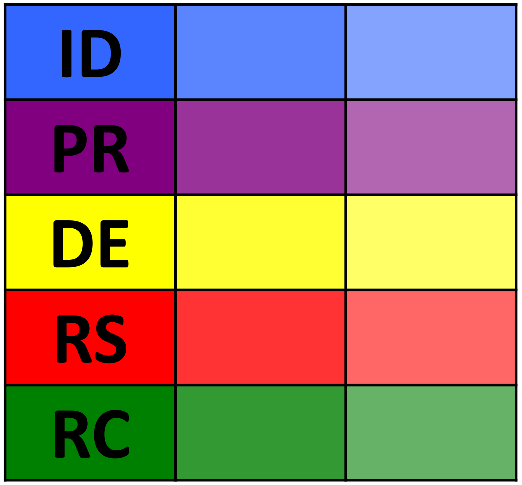
(v) “Effective risk management requires agency heads to lead **integrated teams** of senior executives with expertise in IT, security, budgeting, acquisition, law, privacy, and human resources.”

Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure

Senior Executives



IT, Contracts, Marketing, Business Professionals



Cybersecurity Professionals

Highly technical and specialized language

Cybersecurity Executive Order

Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure

Risk Management:

(ii) "…agency head **shall use** The Framework" and

- "…provide a risk management report within 90 days containing a description of the "…agency's **action plan to implement the Framework**."

Cybersecurity Executive Order

Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure

Risk Management:

(iii) Secretary of DHS and the Director of OMB will “determine whether the **risk mitigation and acceptance choices** set forth in the reports are **appropriate and sufficient** to manage the cybersecurity risk to the executive branch enterprise in the aggregate”

(iv) a plan to: (B.1) “**adequately protect** the executive branch enterprise, should the determination identify insufficiencies”

(B.5) “**align** these policies, standards, and guidelines with the **Framework**.”

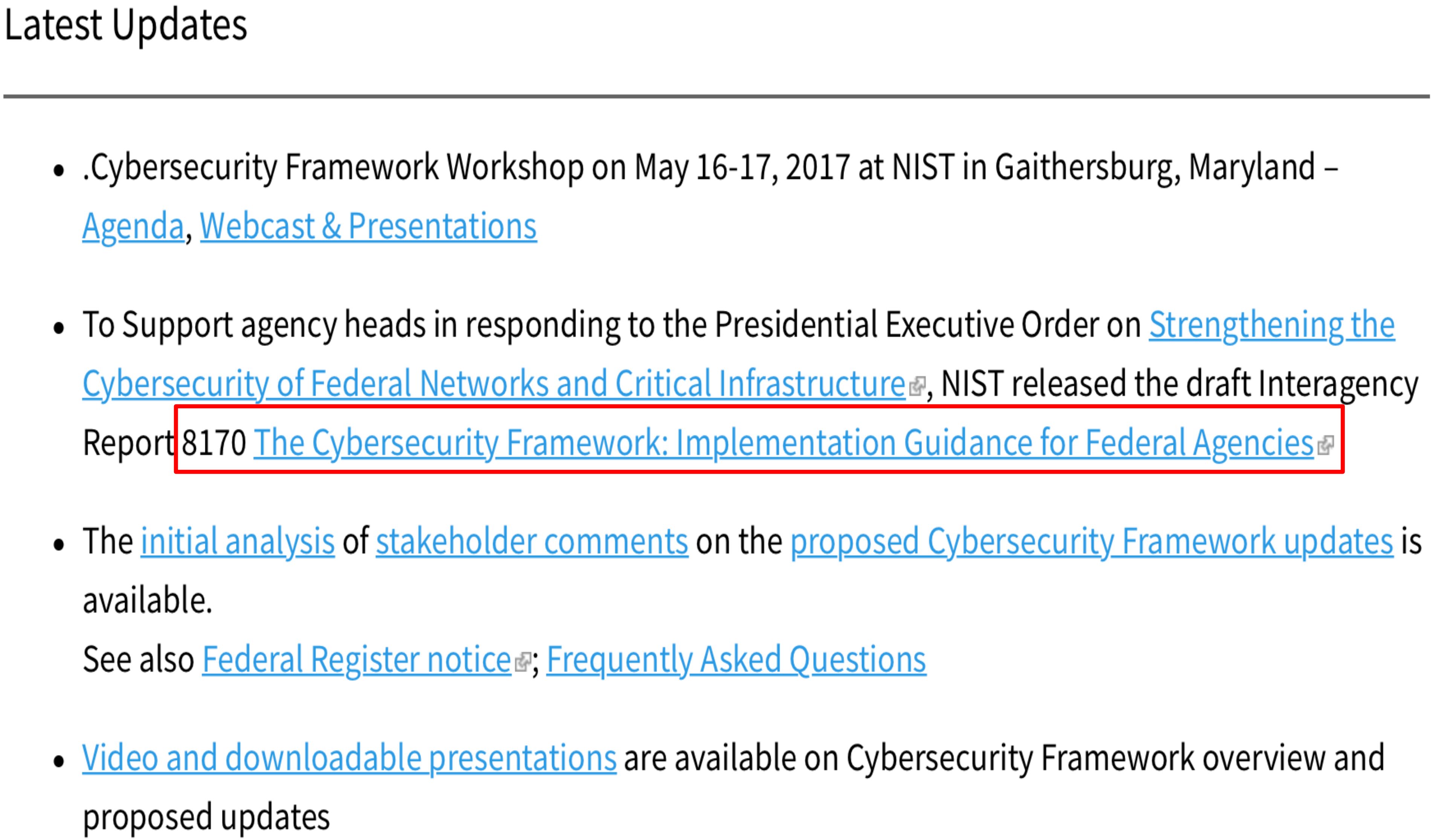
Proposed Federal Usage

NIST IR 8170 The Cybersecurity Framework: Implementation Guidance for Federal Agencies

Special Publication 800-39	**Level 1** *Org*	**1. Integrate enterprise and cybersecurity risk management**	Core
	Level 2 *Mission/ Business Processes*	**2. Manage cybersecurity requirements**	Profile(s)
		3. Integrate and align cybersecurity and acquisition processes	Profile(s)
		4. Evaluate organizational cybersecurity	Imp. Tiers
		5. Manage the cybersecurity program	Profile(s)
		6. Maintain a comprehensive understanding of cybersecurity risk *supports RMF Authorize*	Core
		7. Report cybersecurity risks	Core
	Level 3 *System*	**8. Inform the tailoring process** *supports RMF Implement*	Profile(s)

Key Framework Resources

Framework Home Page - nist.gov/cyberframework



Latest Updates

- .Cybersecurity Framework Workshop on May 16-17, 2017 at NIST in Gaithersburg, Maryland – Agenda, Webcast & Presentations
- To Support agency heads in responding to the Presidential Executive Order on Strengthening the Cybersecurity of Federal Networks and Critical Infrastructure, NIST released the draft Interagency Report 8170 The Cybersecurity Framework: Implementation Guidance for Federal Agencies
- The initial analysis of stakeholder comments on the proposed Cybersecurity Framework updates is available.

  See also Federal Register notice; Frequently Asked Questions
- Video and downloadable presentations are available on Cybersecurity Framework overview and proposed updates

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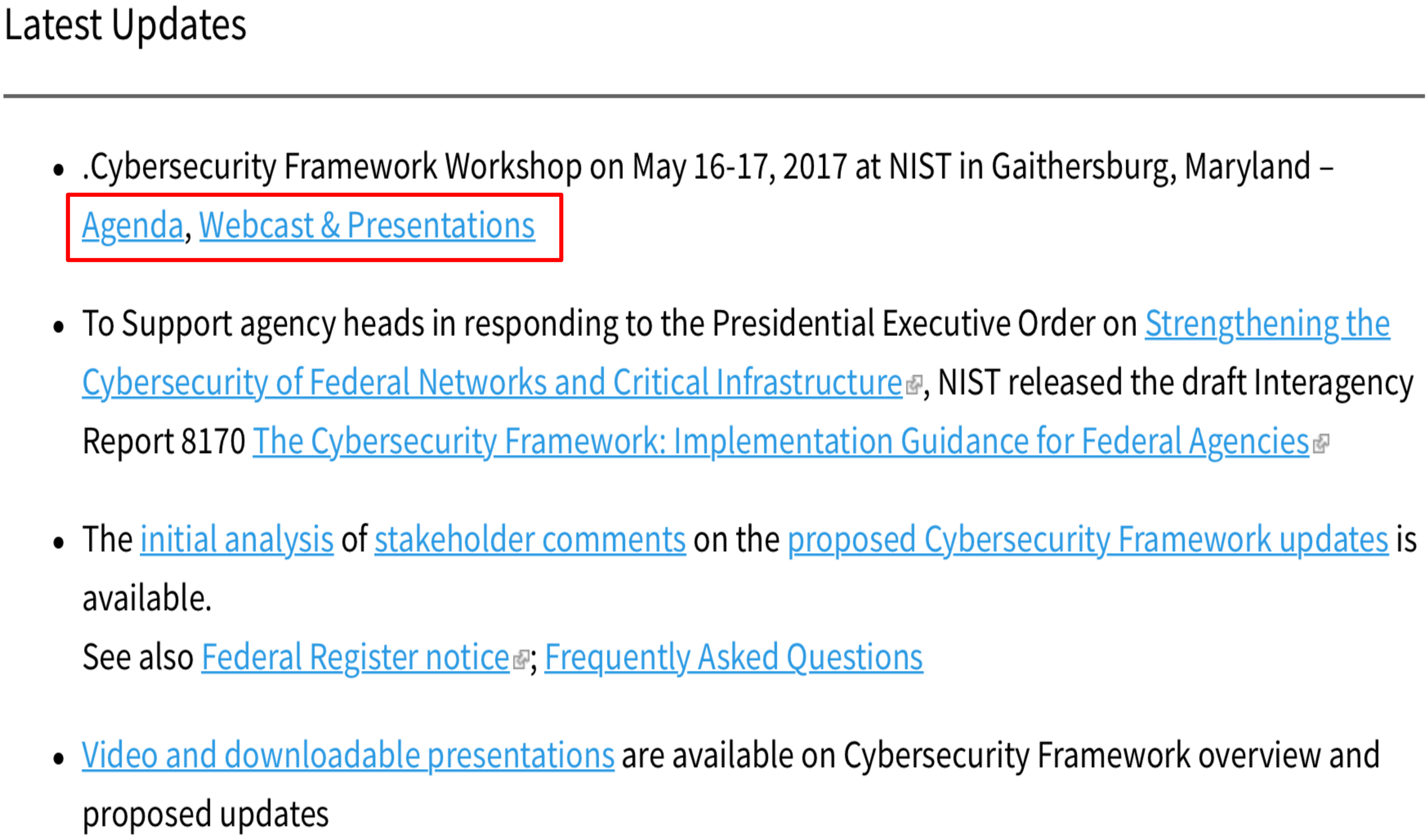

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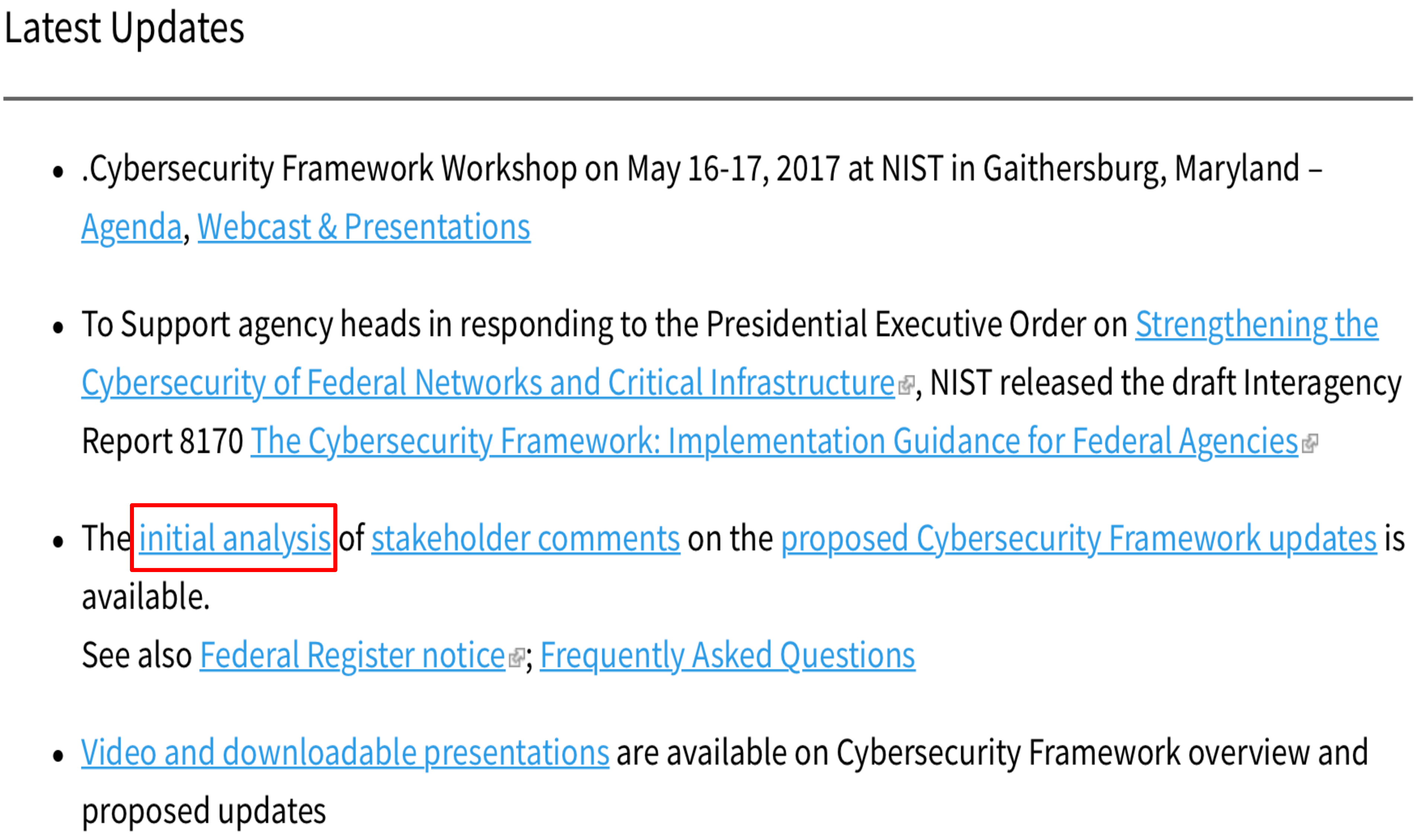

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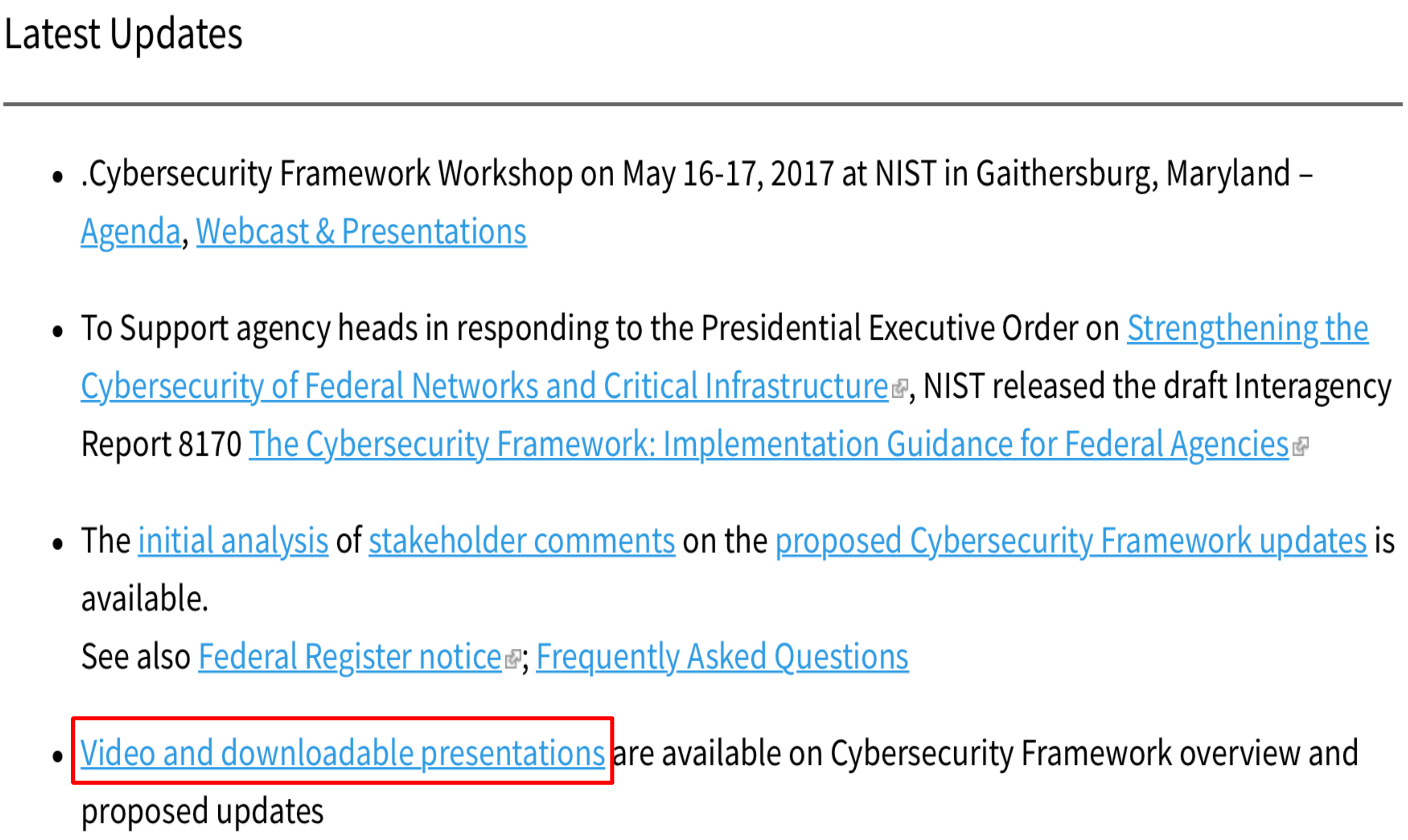

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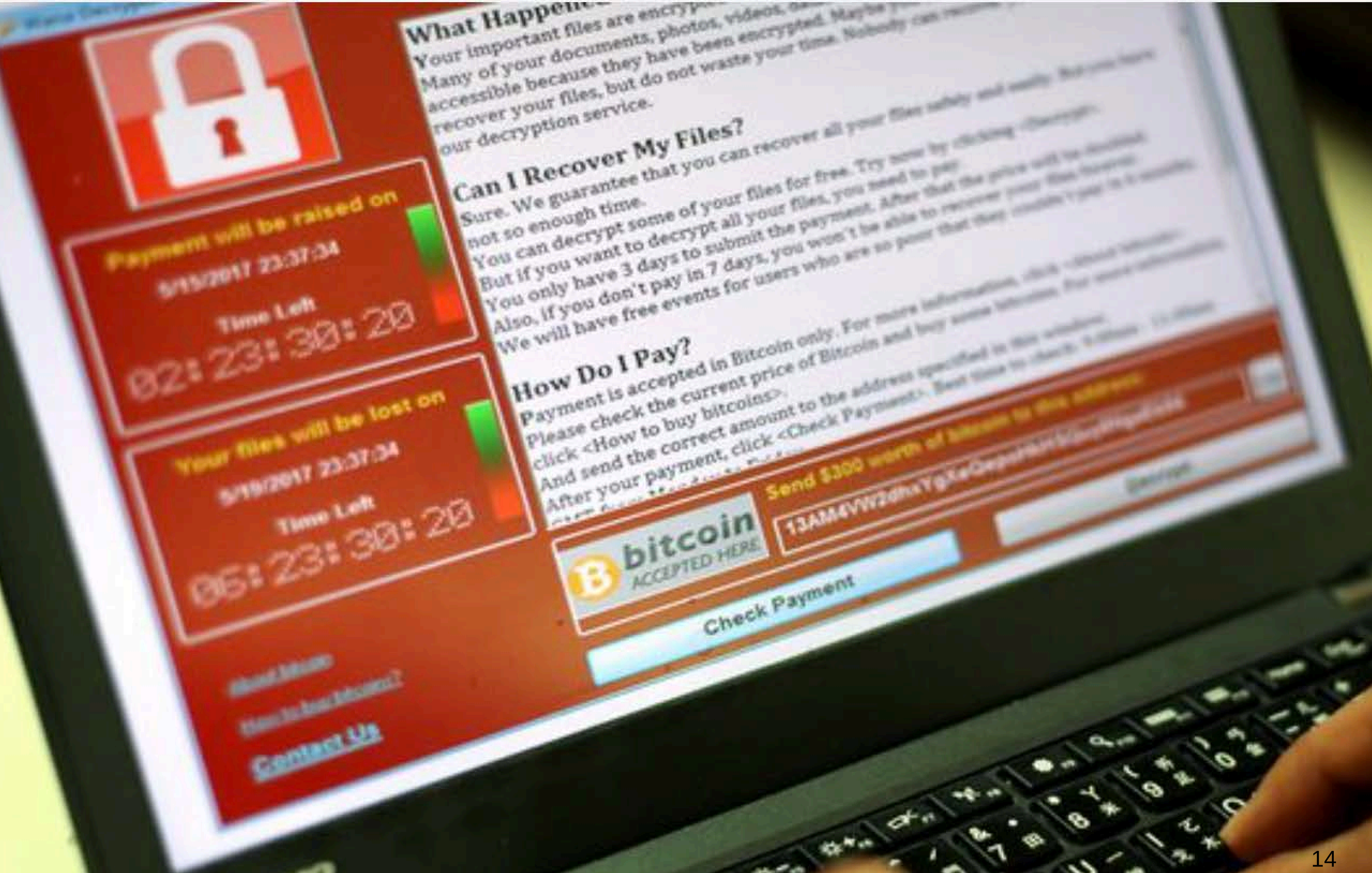
Huge Cyber Attack Hits 150 Countries

Wanna Cry Ransomware *Affects Over 20 UK Hospitals*



What Happen

Your important files are encryp

Many of your documents, photos, videos,

accessible because they have been encrypted. Maybe

recover your files, but do not waste your time. Nobody can

our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily.

not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information,

click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: