U.S. National Cyber Strategy

U.S. EMBASSY ROME, ITALY

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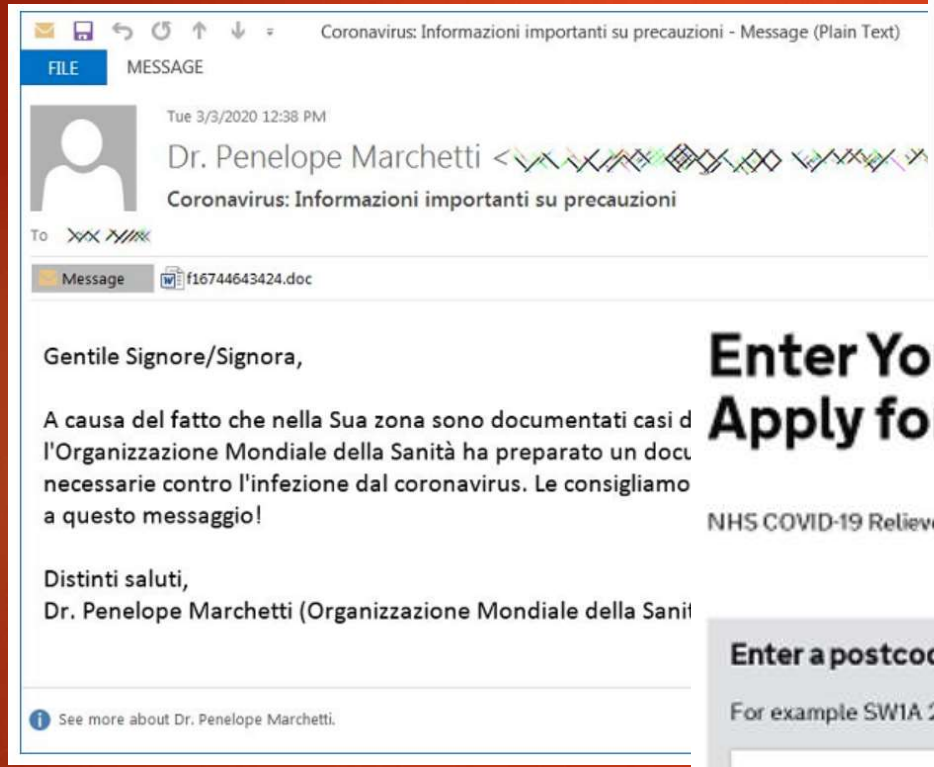
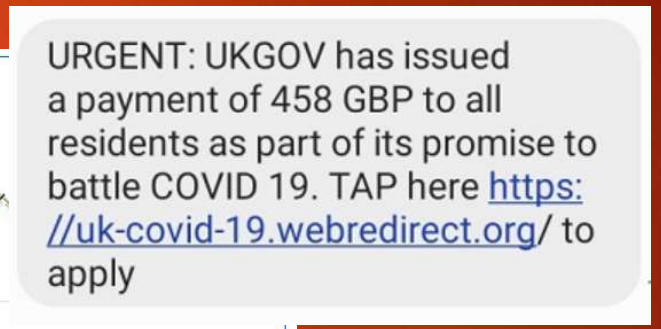


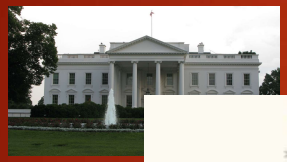


https://www.us-cert.gov/ncas/alerts/aa20-099a

U.S. National Cyber Strategy

- What is the U.S. strategy for cybersecurity?
- How does the entire U.S. federal government implement the strategy?
- How does the U.S. Embassy implement the cybersecurity strategy in Italy?

U.S. National Cyber Strategy



With the release of this National Cyber Strategy, the United States now has its first fully articulated cyber strategy in 15 years. This strategy explains how my Administration will:

- Defend the homeland by protecting networks, systems, functions, and data;
- Promote American prosperity by nurturing a secure, thriving digital economy and fostering strong domestic innovation;
- Preserve peace and security by strengthening the ability of the United States – in concert with allies and partners — to deter and, if necessary, punish those who use cyber tools for malicious purposes; and
- Expand American influence abroad to extend the key tenets of an open, interoperable, reliable, and secure Internet.

U.S. National Cyber Strategy

Defend the Homeland

OBJECTIVE: Manage cybersecurity risks to increase the security and resilience of the Nation's information and information systems.

U.S. National Cyber Strategy

Promote American Prosperity

OBJECTIVE: Preserve U.S. influence in the technological ecosystem and the development of cyberspace as an open engine of economic growth innovation, and efficiency.

U.S. National Cyber Strategy

Preserve Peace through Strength

OBJECTIVE: Identify, counter, disrupt, degrade and deter behavior in cyberspace that is destabilizing and contrary to national interests, while preserving U.S. overmatch and and through cyberspace.

U.S. National Cyber Strategy

Advance American Influence

OBJECTIVE: Preserve the long-term openness, interoperability, security, and reliability of the Internet, which supports and is enforced by U.S. interests.

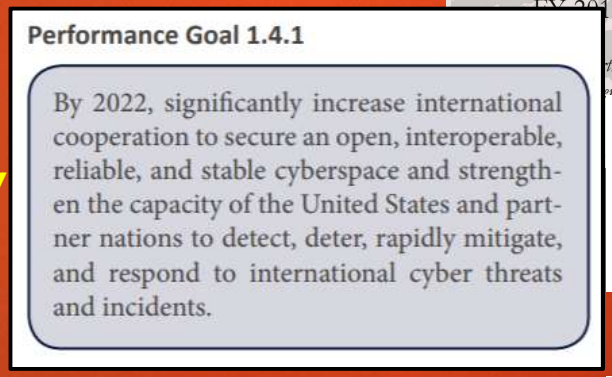
Security and Economy

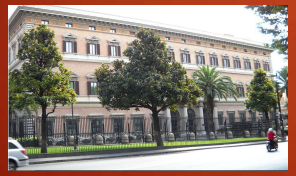
Security of the Economy

Executive Branch

Implements and Enforces Laws

Leads Foreign Policy





Conducts Diplomatic Relations

Italy and The Republic of San Marino

Integrated Country Strategy

Italy and
The Republic of San Marino

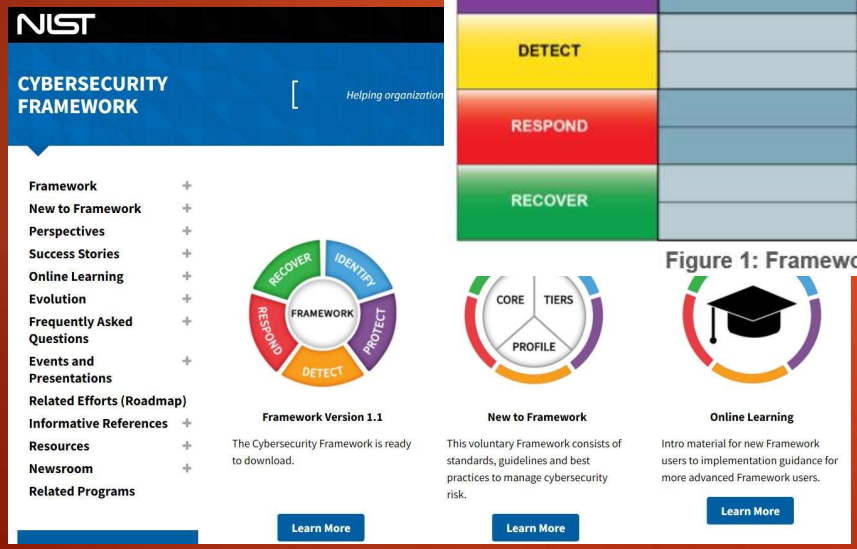
Mission Goal 1: Italy Counters Threats to the United States and the International Order, and Together Italy and the United States Advance Civilian Security around the World.

Mission Objective 1.1: The United States and Italy continue robust foreign policy, defense, and basing cooperation to address threats and advance security around the world.

Mission Objective 1.2: Italy strengthens its capacity to counter terrorism, corruption, cyber threats, and transnational criminal activity, and continues to collaborate with the United States to protect America's borders and infrastructure.

National Institute of Standards and Technology (NIST)

Cybersecurity Framework
(Federal Networks & Public Infrastructure)



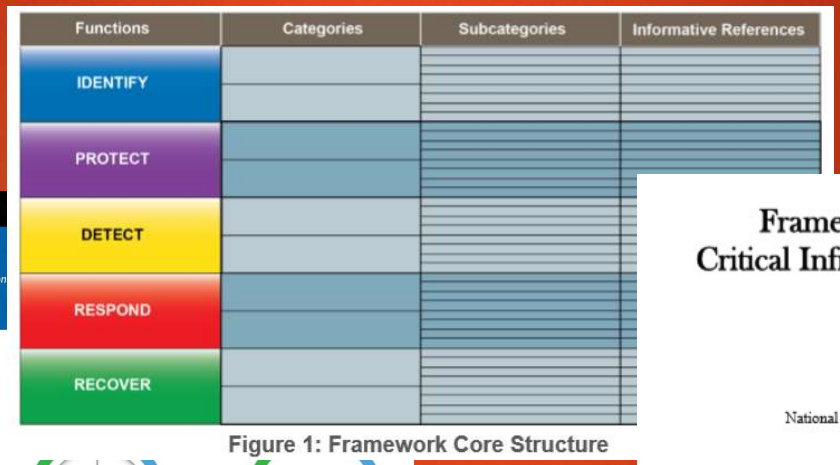
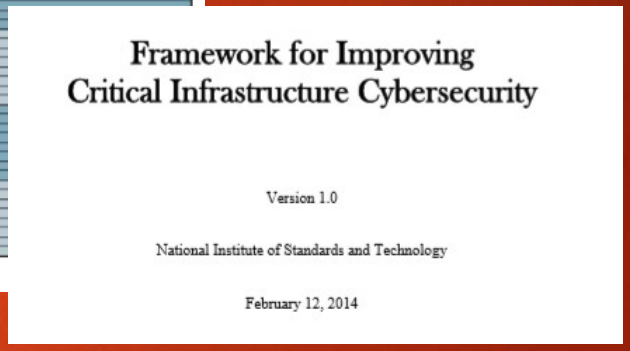


Figure 1: Framework Core Structure


Framework for Improving Critical Infrastructure Cybersecurity

Version 1.0

National Institute of Standards and Technology

February 12, 2014

Documentation

Approved/Tested Devices

U.S. National Cyber Strategy

Outreach & Cooperation

- Economics Office
- Political Officers
- Federal Bureau of Investigation
- U.S. Secret Service
- Etc.

- November 25th, 2019, European Electronic Crimes Task Force Meeting

U.S. National Cyber Strategy

Attribution - State-sponsored Activities

Chinese cyber actors associated with the Chinese Ministry of State Security

Cyber actors of the North Korean government

Russian State-Sponsored Cyber Actors

The Cybersecurity and Infrastructure Security Agency (CISA) is the Nation's risk advisor
https://www.cisa.gov/cisa/cybersecurity

U.S. National Cyber Strategy

Trusted Sources vs. Untrusted Sources

Authoritarian governments lack an independent judiciary and rule of law that prevents misuse of data.

Changes in Functionality:

- Software updates
- Patches

Back doors to "Customer data" and "IP Movements"

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U.S. Embassy Rome

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