



**SERS Retirement Board Technology Committee Agenda
Regular Meeting
March 17, 2022
12:30 P.M.
or Immediately Following the SERS Regular Board Meeting
(If the board meeting extends beyond 12:30 p.m.)**

Join Zoom Meeting

<https://ohsers.zoom.us/j/95246667187?pwd=SGJqWHY0VFZBZXFhSTVPS00xRFc2UT09>

Meeting ID: 952 4666 7187

Password: 903622

To join by phone, dial: (929) 205-6099 and enter the Meeting ID: **952 4666 7187** and Password: **903622** when prompted.

1. Roll call (R)
2. Approval of **February 17, 2022**, Committee Minutes (R)
3. Executive Session pursuant to R.C. 121.22(G)(6) to discuss security matters (R)
– *Joe Bell, Phil Grim*
4. Cyberwarfare Overview – *Phil Grim*
5. Upcoming Technology Committee Meetings
 - Future Topics
 - Next Meeting Date(s) – *Matt King*
6. Adjournment

**SERS Technology
Committee Meeting
March 17, 2022
12:30 P.M.**

Roll Call:

Matthew King _____

James Rossler _____

Frank Weglarz _____

Daniel Wilson _____

| | | | |
|--|--|--|-------------------|
| School Employees | | TECHNOLOGY COMMITTEE MINUTES | |
| Retirement System | | | |
| Preparer | Gina Scarver | Meeting Date: | February 17, 2022 |
| Committee Chair | Matthew King | Committee roll call was as follows: Matthew King, James Rossler, Frank Weglarz, and Daniel Wilson Also in Attendance: Lisa Reid from the Ohio Attorney General's Office SERS Staff: Richard Stensrud, Joe Marotta, Joe Bell, Jay Patel, Karen Roggenkamp, John Grumney, Mike Flanagan, Tracy Valentino, Scott Murta, Phil Grim, Vatina Gray, and Gina Scarver | |
| Agenda | <ol style="list-style-type: none"> 1. Roll Call 2. Approval of December 16, 2021 Technology Committee meeting minutes (R) 3. Overview of 5-Year Technology Investment Planning 4. Executive Session pursuant to R.C. 121.22(G)(6) to discuss security matters (R) 5. Upcoming Technology Committee Meetings <ul style="list-style-type: none"> • Topics – <i>Committee Members</i> • Next Meeting Dates – <i>Matthew King</i> 6. Adjournment (R) | | |
| Discussion | The special SERS Technology Committee meeting began in open session at 12:33 p.m. <u>ROLL CALL</u> The special SERS Technology Committee meeting began with the roll call as follows: Present – Matthew King, James Rossler, Frank Weglarz, and Daniel Wilson. Others present included Lisa Reid from the Ohio Attorney General's Office and several SERS Staff members. <u>APPROVAL OF DEC. 16, 2021, SPECIAL TECHNOLOGY COMMITTEE MINUTES</u> James Rossler moved and Frank Weglarz seconded the motion to approve the Dec. 16, 2021 SERS Technology Committee meeting minutes. Upon roll call, the vote was as follows: Yea: Matthew King, James Rossler, Frank Weglarz, and Daniel Wilson. The motion carried. | | |
| Overview of 5-Year Technology Investment Planning | <u>OVERVIEW OF 5-YEAR TECHNOLOGY INVESTMENT PLANNING</u> Jay Patel, Chief Technology Officer (CTO) of SERS Information Technology Services and Karen Roggenkamp, SERS Deputy Executive Director presented a 5-Year Technology Investment Plan to the Committee for consideration. Mr. Patel began by explaining that the Investment Plan was created with the SERS mission and vision being the center piece. The ultimate outcome (end-in-mind) is to enhance current SERS' high-touch service delivery model with digital capabilities and tools. Core components of the investment roadmap and budget for consideration are: SMART and infrastructure. Ms. Roggenkamp provided an overview of the current service delivery model as well as the impact caused by the pandemic which forced digital options and increased expectations. Ms. Roggenkamp stressed that top priority must be given to preserving a high touch service delivery with our members. | | |

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|---------------------------------|--|
| | <p>Mr. Patel explained that investment will provide pension operational sustainability, alignment with the strategic direction awareness and visibility into future investments for the board; allow SERS to attract and retain talent; and will evolve with the needs of our shareholders.</p> <p>Mr. Patel outlined the roadmap for SMART, our core pension administration system. Mr. Patel discussed capabilities such as virtual chat, live chat, enhancements to our self-service portals to enrich member engagement and outcomes. He also discussed security related improvements to protect members' data.</p> <p>Mr. Patel outlined the infrastructure components including physical technology (i.e. firewalls, network and routers); growth (new server host, replacement systems as needed); and digital technology.</p> <p>Mr. Patel and Ms. Roggenkamp reviewed the financial model for the plan and a robust discussion was had with the Committee members regarding the budget framework as well as the potential risks of not moving forward with the Technology Investment.</p> <p>The Technology Committee endorsed the strategy, plan, and investment, and agreed with the staff's recommendation of creating a 5-Year Technology project budget and presentation to the full board for approve. The Committee thanked Mr. Patel and Ms. Roggenkamp for their presentator .</p> |
| <p>Executive Session</p> | <p><u>EXECUTIVE SESSION</u></p> <p>Frank Weglarz moved and James Rossler seconded the motion that the Technology Committee convene into Executive Session pursuant to R.C. 121.22(G)(6) to discuss security matters. Upon roll call, the vote was as follows: Yea: Matthew King, James Rossler, Frank Weglarz, and Daniel Wilson. The motion carried.</p> <p>The Technology Committee convened into Executive Session at 1:33 p.m.</p> <p>The Technology Committee reconvened into Open Session at 1:49 p.m.</p> |
| <p>Next Meeting</p> | <p><u>Upcoming Technology Committee Meeting</u></p> <p>Next regularly scheduled meeting is Thursday, March 17, 2022 with a start time of 12:30 p.m. or immediately following the regularly scheduled Board Meeting.</p> |
| <p>Adjournment</p> | <p><u>Adjournment</u></p> <p>Matthew King adjourned the meeting at 1:52 p.m.</p> |

**APPROVAL OF MINUTES OF THE TECHNOLOGY COMMITTEE MEETING HELD ON
February 17, 2022**

_____ moved and _____ seconded the motion to approve the minutes of the SERS Technology Committee meeting held on Thursday, February 17, 2022.

Upon roll call, the vote was as follows:

| <u>ROLL CALL:</u> | <u>YEA</u> | <u>NAY</u> | <u>ABSTAIN</u> |
|--------------------------|-------------------|-------------------|-----------------------|
| Matthew King | | | _____ |
| James Rossler | | | _____ |
| Frank Weglarz | | | _____ |
| Daniel Wilson | | | _____ |

EXECUTIVE SESSION

_____ moved and _____ seconded the motion that the Technology Committee convene in Executive Session pursuant to R.C. 121.22(G)(6) to discuss security matters.

Upon roll call, the vote was as follows:

| <u>ROLL CALL:</u> | <u>YEA</u> | <u>NAY</u> | <u>ABSTAIN</u> |
|--------------------------|-------------------|-------------------|-----------------------|
| Matthew King | _____ | _____ | _____ |
| James Rossler | _____ | _____ | _____ |
| Frank Weglarz | _____ | _____ | _____ |
| Daniel Wilson | _____ | _____ | _____ |

IN EXECUTIVE SESSION AT _____ A.M./P.M.

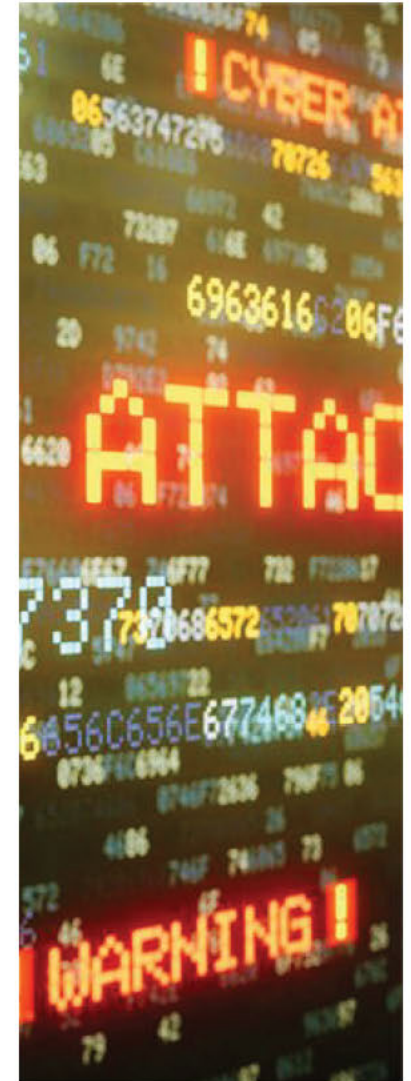
RETURN TO OPEN SESSION AT _____ A.M. / P.M.



Cybersecurity Update

3/17/2022

IS



Agenda

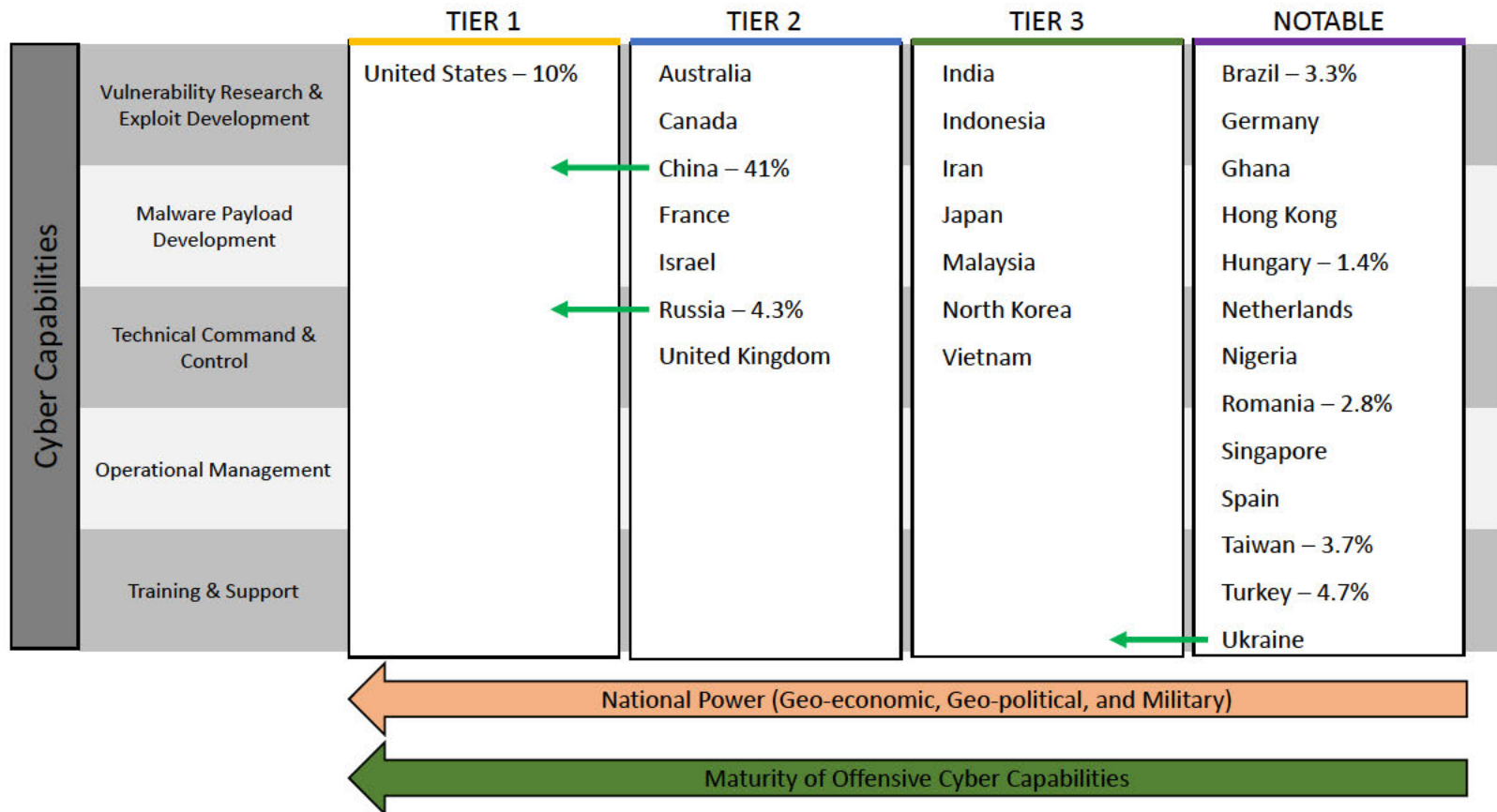
Cyberwarfare Overview

Cyber Response Update

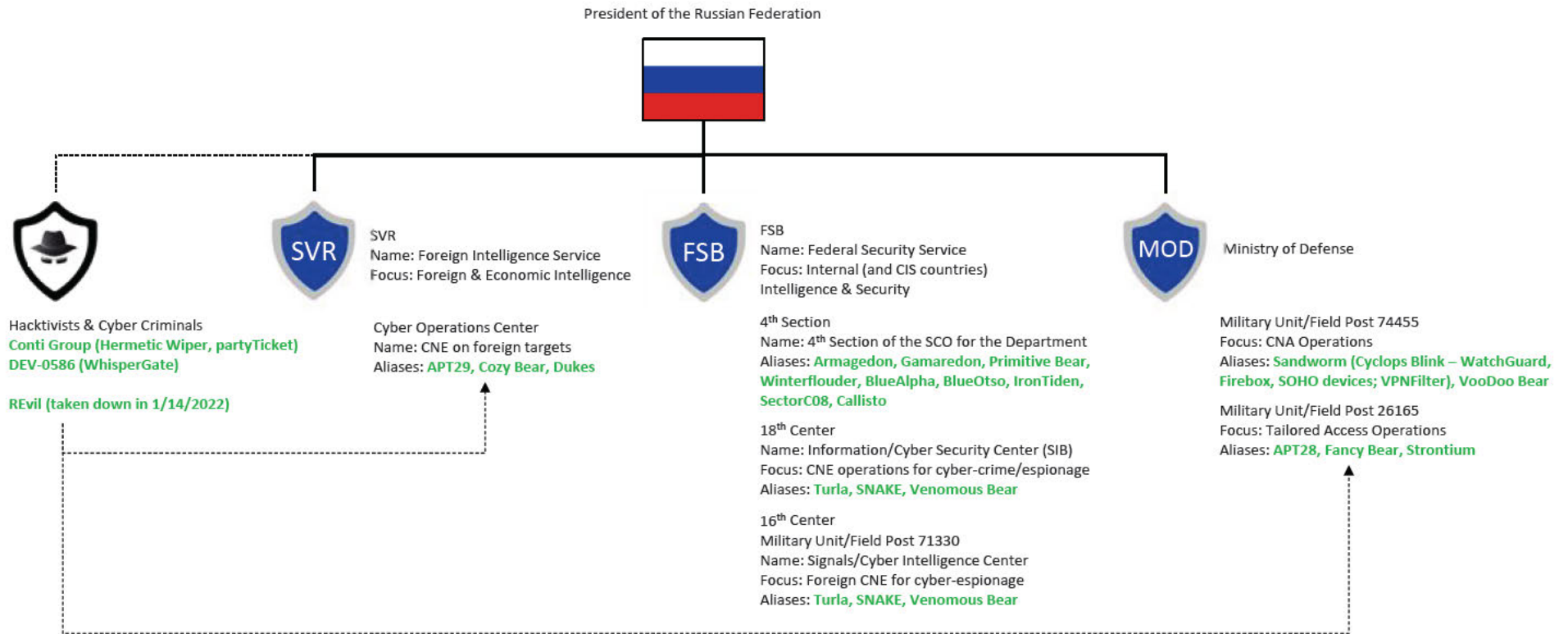
Overview – Differences in warfare

- Kinetic world
 - Involves strategy and time to prepare
 - Troop movement and logistics measured in days
 - Weather impact on mission
 - Collateral damage to civilians and non-strategic targets
- Cyber world
 - Involves strategy and time to prepare
 - *Time to get from A:B is measured in milliseconds*
 - *Very little that can impact attack path*
 - Collateral damage to civilians (recorded death in hospital due to ransomware)

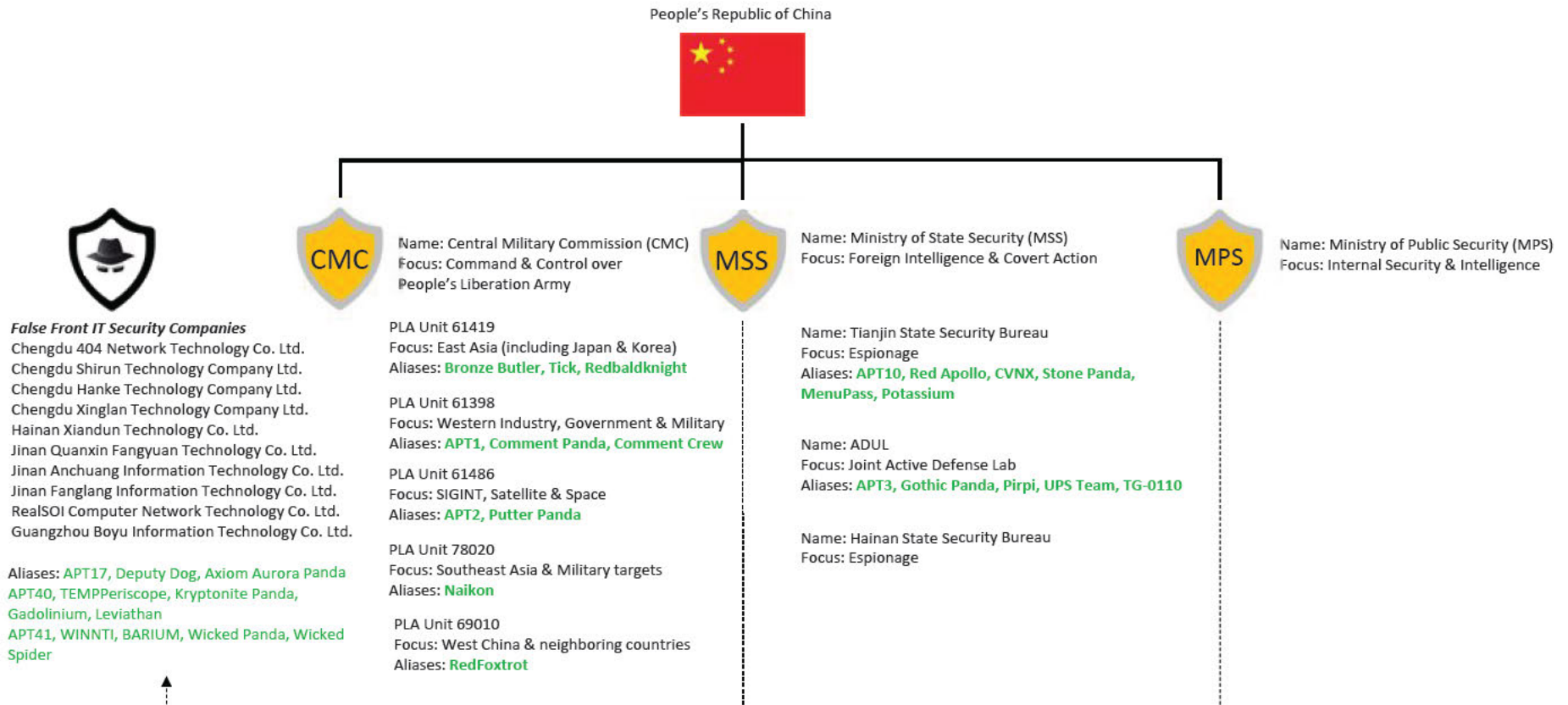
Overview – Offensive Cyber Capabilities



Overview – Russian Cyber Capabilities



Overview – Chinese Cyber Capabilities



Preparedness - Forecast

- If retaliatory attacks occur, they will need to:
 - Cause disruption, undermine public support for actions against Russia
 - Not be seen as an act of war by the victim country
 - Not burn capabilities that cannot be easily replaced
 - Not limit future intelligence collection against the target
 - Not be a target Russia will want to impact because it limits their capabilities
- This leaves a narrow set of targets to impact
- While attacks on utilities and hospitals in the US are certainly possible, these both likely violate points 2 and 5 above

More Likely

Financial Services

Educational Institutions

Retail

State & Local Government

Smaller Federal Agencies

Less Likely

Utilities

Healthcare

Defense Contractors

Transportation

Use our time to bolster defenses and visibility

Preparedness – Focused Energy

- Heightened awareness for staff
- Reduce timeline for patching critical assets
- Continue vulnerability scanning
- Logging to Security Incident & Event Monitoring (SIEM)
- Increased communication with Security Operations Center (SOC)
- Firewall - Inbound traffic control and geo-blocking
- Firewall - Outbound traffic control and geo-blocking
- Plan and test for rapid containment
- Use frameworks to validate controls against known groups and malware
- Develop “Elevated” state standard operating procedures

ADJOURNMENT(R)

_____ moved that the Technology Committee adjourn to meet on _____
for the next scheduled meeting.

The meeting adjourned at _____ p.m.

Matthew King, Chair