

# CIRT Playbook Battle Card: GSPBC-1001 - Initial Access - Exploit Enterprise Resources - Mobile Device SIM Attacks

| (P) Preparation  | (I) Identification   | (C) Containment  |
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| <ol style="list-style-type: none"> <li>1. Favor use of authenticator apps over SMS</li> <li>2. Create a strong account PIN or Passphrase</li> <li>3. Use a dedicated number for high-value accounts               <ol style="list-style-type: none"> <li>a. Alternative: Use a free Google Voice number</li> </ol> </li> <li>4. Use a password manager</li> <li>5. Never store passwords, payment methods, etc. in your phone's browser</li> <li>6. Prepare backup communications ability to allow you to respond more quickly to a compromise               <ol style="list-style-type: none"> <li>a. Hangouts, GVoice, Skype, Line, etc.</li> </ol> </li> <li>7. Conduct user awareness training</li> <li>8. Conduct response training (this PBC)</li> </ol> | <ol style="list-style-type: none"> <li>1. Monitor for:               <ol style="list-style-type: none"> <li>a. Unexplained, prolonged loss of cell service</li> <li>b. Unexpected customer service calls, "Sorry we got disconnected ..."</li> <li>c. Alerts about password/authentication changes to your accounts</li> <li>d. Alerts on your phone, "Are you trying to log in from &lt;City&gt;, &lt;State&gt;?"</li> </ol> </li> </ol>  | <ol style="list-style-type: none"> <li>1. Notify your mobile carrier as soon as you can</li> <li>2. Explain the situation:               <ol style="list-style-type: none"> <li>a. "I am a high-value-target individual and my phone number was ported approximately 3 hours ago to a new SIM that I do not control ..."</li> </ol> </li> <li>3. Request that the number be completely disabled:               <ol style="list-style-type: none"> <li>a. "Since this is an active situation, please remove my phone number from that SIM immediately, meaning no one can receive phone calls or text messages to my number ..."</li> </ol> </li> <li>4. Request that your number to be moved back to your SIM               <ol style="list-style-type: none"> <li>a. This may be more difficult than getting the number disabled</li> </ol> </li> <li>5. Record the employee's name/number and dates</li> <li>6. Record all case/support ticket numbers</li> <li>7. Request that all logs for your IMEI be saved</li> <li>8. Change all of your passwords from a non-compromised trusted device               <ol style="list-style-type: none"> <li>a. Change your major email accounts first</li> <li>b. Prioritize: Most to least valuable</li> <li>c. Document your actions as you are conducting them, including times and screen shots</li> </ol> </li> </ol> |
| (E) Eradication  | (R) Recovery   | (L) Lessons/Opportunities  |
| <ol style="list-style-type: none"> <li>1. Request that your mobile service block all swap attempts for one week</li> <li>2. See additional steps in "Containment"</li> </ol>   | <ol style="list-style-type: none"> <li>1. Retain legal counsel</li> <li>2. Contact appropriate law enforcement agencies</li> <li>3. Contact affected business partners               <ol style="list-style-type: none"> <li>a. Follow the advice of your legal counsel</li> </ol> </li> <li>4. Retain the services of security professionals</li> <li>5. Regain control of your various compromised accounts               <ol style="list-style-type: none"> <li>a. Every provider will be different</li> <li>b. Document dates, times, names, and steps</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>1. Perform routine cyber hygiene due diligence</li> <li>2. Be aware of all 2FA options when setting up new accounts, disabling all weak, SMS-based options</li> <li>3. Be aware that the vulnerability is with your mobile provider and you have limited control over it               <ol style="list-style-type: none"> <li>a. Focus instead on what you can control</li> <li>b. Defense-in-depth and compartmentalization of your accounts</li> </ol> </li> </ol> <div data-bbox="1394 1230 2041 1409"> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Report cybercrime:<br/><a href="https://www.ic3.gov/default.aspx">https://www.ic3.gov/default.aspx</a></li> <li>2. Evidence of preparation *may* improve the probability of an insurance claim being paid</li> </ol> </div>  |