Annex B

Game Challenges on Singapore Floor

<u>Locked Down</u>

- This game will test players' ability to analyse and identify vulnerabilities found in web servers.

- For each question, they will need to make use of vulnerability assessment tools to analyse the content found on the website port provided and highlight the 'flag' when answering.

<u>Andromeda Challenge</u>

- This game will test players on their ability to analyse network traffic.

- Players will have to make use of the PCAP[1] file provided to extract artifacts (e.g images, zip files etc), analyse the network traffic and use password cracking tools to extract the passwords to answer the quiz.

<u>Operation Syringe</u>

- This game will test players on their analytical skills and SQL[2] injection knowledge.

- Players will need to refer to the log files provided and identify the SQL injection request, data that was extracted and the time of the attack when answering the quiz.

<u>Puppylizer</u>

- This game is a web app challenge that will test players on various cybersecurity skills, such as penetration testing and vulnerability assessment etc.

- Players will refer to the web app simulation and use their knowledge of penetration testing to find the vulnerabilities and identify the flags while answering the quiz.

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[1] Packet Capture (PCAP) consists of an application programming interface for capturing network traffic saved in either libpcap or WinPcap format for analysing.

[2] Structured Query Language (SQL) is a programming language that is used for managing a relational database management system.

- This game will test players on their coding skills and problem solving abilities.

- Players will need to connect to a webserver and use their knowledge of scripting to solve a puzzle within a given time to obtain a password before proceeding to the next level. They will need to provide the passwords for each level and the source code to complete the quiz.