



## VERIFICATION OPINION DECLARATION GREENHOUSE GAS EMISSIONS

To: The Stakeholders of Palo Alto Networks

Apex Companies LLC, (Apex) was engaged to conduct an independent verification of the greenhouse gas (GHG) emissions reported by Palo Alto Networks (PANW) for the period stated below. This verification opinion declaration applies to the related information included within the scope of work described below.

The determination of the GHG emissions is the sole responsibility of Palo Alto Networks. Palo Alto Networks is responsible for the preparation and fair presentation of the GHG emissions statement in accordance with the criteria. Apex's sole responsibility was to provide an independent verification opinion on the accuracy of the GHG emissions reported and on the underlying systems and processes used to collect, analyze and review the information. Apex is responsible for expressing an opinion on the GHG emissions statement based on the verification. Verification activities applied in a limited level of assurance are less extensive in nature, timing and extent than in a reasonable level of assurance verification.

### **Boundaries of the reporting company GHG emissions covered by the verification:**

- Operational Control
- Worldwide

**Types of GHGs:** CO<sub>2</sub>, N<sub>2</sub>O, CH<sub>4</sub>, HFCs

### **GHG Emissions Statement:**

- **Scope 1:** 1,591 metric tons of CO<sub>2</sub> equivalent
- **Scope 2 (Location-Based):** 15,761 metric tons of CO<sub>2</sub> equivalent
- **Scope 2 (Market-Based):** 12,068 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Purchased Goods & Services:** 208,724 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Capital Goods:** 16,940 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Fuel- and Energy-Related Activities (Location-Based):** 7,659 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Fuel- and Energy-Related Activities (Market-Based):** 6,336 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Upstream Transportation and Distribution:** 38,061 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Waste Generated in Operations:** 6,132 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Business Travel:** 45,575 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Employee Commuting (Market-Based):** 16,175 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Upstream Leased Assets (Market-Based):** 262 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Use of Sold Products:** 850,377 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – End-of-Life Treatment of Sold Products:** 35 metric tons of CO<sub>2</sub> equivalent
- **Scope 3 – Investments (excluding asset-backed securities and sovereign debt):** 478,148 metric tons of CO<sub>2</sub> equivalent

Data and information supporting the Scope 1 and Scope 2 GHG emissions assertion were in most cases estimated rather than actual in nature.

Data and information supporting the Scope 3 GHG emissions statement were in some cases estimated rather than actual in nature.

**Period covered by GHG emissions verification:**

- August 1, 2022 to July 31, 2023

**GHG Reporting Protocols against which verification was conducted:**

- World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas Protocol, Corporate Accounting and Reporting Standard, Revised Edition (Scope 1 and 2) and the GHG Protocol Scope 2 Guidance, an amendment to the GHG Protocol Corporate Standard
- WRI/WBCSD Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (Scope 3)

**GHG Verification Protocols used to conduct the verification:**

- ISO 14064-3 Second Edition 2019-04: Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements

**Level of Assurance and Qualifications:**

- Limited
- This verification used a materiality threshold of  $\pm 5\%$  for aggregate errors in sampled data for each of the above indicators.
- Qualification — Although immaterial this year, European market-based residual mix electricity emission factors do not use country-specific CH<sub>4</sub> and N<sub>2</sub>O emission factors, but rather CH<sub>4</sub> and N<sub>2</sub>O for the United Kingdom.

**GHG Verification Methodology:**

Evidence-gathering procedures included, but were not limited to:

- Interviews with relevant personnel of Palo Alto Networks;
- Review of documentary evidence produced by Palo Alto Networks;
- Review of Palo Alto Networks' data and information systems and methodology for collection, aggregation, analysis and review of information used to determine GHG emissions; and,
- Audit of sample of data used by Palo Alto Networks to determine GHG emissions.

**Verification Opinion:**

Based on the verification process and procedures conducted to a limited assurance level of the GHG emissions statement shown above, Apex found no evidence that the GHG emissions statement:

- is not materially correct and is not a fair representation of the GHG emissions data and information; and
- has not been prepared in accordance with the WRI/WBCSD GHG Protocol Corporate Accounting and Reporting Standard (Scope 1 and 2), and WRI/WBCSD Greenhouse Gas Protocol Corporate Value Chain Accounting and Reporting Standard (Scope 3).

It is our opinion that Palo Alto Networks has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of these GHG emissions for the stated period and boundaries.



**Statement of independence, impartiality and competence**

Apex is an independent professional services company that specializes in Health, Safety, Social and Environmental management services including assurance with over 30 years history in providing these services.

No member of the verification team has a business relationship with Palo Alto Networks, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.

Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of Apex's standard methodology for the verification of greenhouse gas emissions data.

**Attestation:**

A handwritten signature in blue ink, appearing to read 'Th U. Jones'.

Thomas U. Jones, Lead Verifier  
ESG – Program Manager  
Apex Companies, LLC  
Tampa, Florida

A handwritten signature in blue ink, appearing to read 'Mary E. Armstrong-Friberg'.

Mary E. Armstrong-Friberg, Technical Reviewer  
ESG – Program Manager  
Apex Companies, LLC  
Cleveland, Ohio

February 14, 2024

*This verification opinion declaration, including the opinion expressed herein, is provided to Palo Alto Networks and is solely for the benefit of Palo Alto Networks in accordance with the terms of our agreement. We consent to the release of this declaration by you to the public or other organizations but without accepting or assuming any responsibility or liability on our part to any other party who may have access to this declaration.*