UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of November 2026

Commission File Number 001-41634

HUB Cyber Security Ltd.

Not Applicable
(Translation of registrant's name into English)

30 Hacharoshet Street
Or Yehuda, Israel
+972-3-924-4074
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

☒ Form 20-F ☐ Form 40-F

CONTENTS

On November 15, 2026, HUB Cyber Security Ltd. (the "Company") received a notice dated November 12, 2026 (the "Notice") from the Tel Aviv District Attorney's Office (Tax and Economics Unit) (the "District Attorney's Office"). The Notice states that, after reviewing the evidence in the investigation file, the District Attorney's Office is considering indicting the Company, subject to a pre-indictment hearing. The Notice relates to the alleged inclusion of misleading information in a report with intent to mislead a reasonable investor, under Section 53(a)(4) of the Israeli Securities Law, 5728-1968, together with Section 36 of that same law. The investigation by the authorities began with a search of the Company's offices on September 17, 2024, conducted by the Israel Securities Authority and the Israel Tax Authority. In January 2026, the Company was informed that the investigation had concluded and that the file had been transferred to the District Attorney's Office.

The Notice refers to the Company's immediate reports on the Tel Aviv Stock Exchange in February 2023, prior to its business combination with Mount Rainier Acquisition Corp. and its listing on the Nasdaq Stock Market. They concern two matters:

1. **The departure of the former CEO.** The Notice alleges that the Company's reports of February 2, 2023 misleadingly described the departure of Mr. Eyal Moshe, then the Company's CEO, and his wife, Ms. Ayelet Bitan, as voluntary resignations. It further alleges that the Company withheld material information about suspected misappropriation of Company funds until April 20, 2023.

2. **The PIPE financing.** The Notice also alleges that the Company did not properly disclose that PIPE investors did not intend to fund their $50 million written commitment. It also alleges that the Company's report of February 23, 2023 misleadingly stated there were no changes to the PIPE agreements and omitted the Company's Board of Directors' decision to proceed with alternative financing.

It is important to emphasize that no decision to indict has been made. Under Section 60A of the Israeli Criminal Procedure Law Consolidated Version, 5742-1982, the Company has 45 days from receipt of the Notice to submit written arguments explaining why it should not be indicted. It may also request a short supplementary oral hearing. The Company will be cooperating with the District Attorney's Office, and intends to exercise its legal and other rights in the matter, including but not limited to obtaining and reviewing the core investigative materials in order to, *inter alia*, determine whether to contest the claims and/or seek a negotiated settlement, submitting written arguments and/or taking part in the supplementary oral hearing process, if and as deemed necessary by the Company's Board of Directors, all with the aim of preventing the filing of an indictment. In addition, the Company has engaged qualified expert counsel to represent it in this matter.

This matter may result in a monetary fine being imposed on the Company, the amount of which cannot be predicted at this stage. The Company may also face related civil claims, regulatory consequences and/or reputational harm.

The Company cannot predict the outcome of the aforementioned process, whether an indictment will be filed or the timing or results of any proceedings or settlement discussions.

Forward-Looking Statements

This Report of Foreign Private Issuer on Form 6-K (this "Report") contains forward-looking statements for purposes of the safe harbor provisions under the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements are typically identified by words such as "plan," "believe," "expect," "anticipate," "intend," "outlook," "estimate," "future," "forecast," "project," "continue," "could," "may," "might," "possible," "potential," "predict," "seem," "should," "will," "would" and other similar words and expressions, but the absence of these words does not mean that a statement is not forward-looking.

The forward-looking statements are based on the current expectations of the management of HUB, as applicable, and are inherently subject to uncertainties and changes in circumstances and their potential effects and speak only as of the date of such statement. There can be no assurance that future developments will be those that have been anticipated. These forward-looking statements involve a number of risks, uncertainties, or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to, those discussed and identified in public filings made with the SEC by HUB and the following: (i) the outcome and any proceedings instituted as a result of the letter from the District Attorney's Office and their impact on the Company; (ii) significant uncertainty regarding the adequacy of HUB's liquidity and capital resources and its ability to repay its obligations as they become due; (iii) the war between Israel and Hamas commenced in October 2023, which may harm Israel's economy and HUB's business; (iv) expectations regarding HUB's strategies and future financial performance, including its future business plans or objectives, prospective performance and opportunities and competitors, revenues, products and services, pricing, operating expenses, market trends, liquidity, cash flows and uses of cash, capital expenditures, and HUB's ability to invest in growth initiatives and pursue acquisition opportunities; (v) the outcome of any legal or regulatory proceedings against HUB in connection with our previously announced internal investigation or otherwise; (vi) the ability to meet stock exchange continued listing standards and remain listed on the Nasdaq; (vii) competition, the ability of HUB to grow and manage growth profitably, maintain relationships with customers and suppliers and retain its management and key employees; (viii) limited liquidity and trading of HUB's securities; (ix) geopolitical risk, including military action and related sanctions, and changes in applicable laws or regulations; (x) the possibility that HUB may be adversely affected by other economic, business, and/or competitive factors; and (xi) other risks and uncertainties set forth in the sections entitled "Risk Factors" and "Cautionary Statement Regarding Forward-Looking Statements" in HUB's Annual Report on Form 20-F filed on July 17, 2026.

Should one or more of these risks or uncertainties materialize or should any of the assumptions made by the management of HUB prove incorrect, actual results may vary in material respects from those expressed or implied in these forward-looking statements.

All subsequent written and oral forward-looking statements concerning HUB or other matters addressed in this Report and attributable to HUB or any person acting on its behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this Report. Except to the extent required by applicable law or regulation, HUB undertakes no obligation to update these forward-looking statements to reflect events or circumstances after the date of this Report o reflect the occurrence of unanticipated events.

The information in this Report on Form 6-K is being furnished and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing made by the Company under the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise set forth herein or as shall be expressly set forth by specific reference in such a filing.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

HUB Cyber Security Ltd.

Date: November 18, 2026

By: /s/ Limor Zur-Stoller
Limor Zur-Stoller
Chief Financial Officer