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

FORM ABS-15G

ASSET-BACKED SECURITIZER REPORT PURSUANT TO  
SECTION 15G OF THE SECURITIES EXCHANGE ACT OF 1934

**HORIZON TECHNOLOGY FINANCE CORPORATION**  
(Exact Name of Registrant as Specified in its Charter)

Check the appropriate box to indicate the filing obligation to which this form is intended to satisfy:

- Rule 15Ga-1 under the Exchange Act (17 CFR 240.15Ga-1) for the reporting period January 1, 2023 to December 31, 2023.

Date of Report (Date of earliest event reported): **February 7, 2024**

Commission File Number of securitizer: **025-01538**

Central Index Key Number of securitizer: **0001487428**

Robert D. Pomeroy, Jr., (860) 676-8654  
(Name and telephone number, including area code,  
of the person to contact in connection with this filing.)

Indicate by check mark whether the securitizer has no activity to report for the initial period pursuant to Rule 15Ga-1(c)(1)

Indicate by check mark whether the securitizer has no activity to report for the quarterly period pursuant to Rule 15Ga-1(c)(2)(i)

Indicate by check mark whether the securitizer has no activity to report for the annual period pursuant to Rule 15Ga-1(c)(2)(ii)

- Rule 15Ga-2 under the Exchange Act (17 CFR 240.15Ga-2).

Central Index Key Number of depositor:

\_\_\_\_\_  
(Exact name of issuing entity as specified in its charter)

Central Index Key Number of issuing entity (if applicable):

Central Index Key Number of underwriter (if applicable):

\_\_\_\_\_  
(Name and telephone number, including area code,  
of the person to contact in connection with this filing.)

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**INFORMATION TO BE INCLUDED IN THE REPORT**

**PART I: REPRESENTATION AND WARRANTY INFORMATION**

**Item 1.01 Initial Filing of Rule 15Ga-1 Representations and Warranties Disclosure**

Not applicable.

**Item 1.02 Periodic Filing of Rule 15Ga-1 Representations and Warranties Disclosure**

Pursuant to Rule 15Ga-1(c)(2)(ii), Horizon Technology Finance Corporation has indicated by check mark that there is no activity to report for the calendar year ended December 31, 2023.

**Item 1.03 Notice of Termination of Duty to File Reports under Rule 15Ga-1**

Not applicable.

**PART II: FINDINGS AND CONCLUSIONS OF THIRD-PARTY DUE DILIGENCE REPORTS**

Not applicable.

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**SIGNATURES**

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

Date: February 7, 2024

Horizon Technology Finance Corporation  
(Securitizer)

By: /s/Robert D. Pomeroy, Jr.

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Robert D. Pomeroy, Jr.  
Chief Executive Officer