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

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**FORM 8-K**

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**CURRENT REPORT**  
**Pursuant to Section 13 or 15(d)**  
**of The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): November 30, 2017**

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**TransDigm Group Incorporated**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-32833**  
(Commission  
File Number)

**41-2101738**  
(IRS Employer  
Identification No.)

**1301 East 9th Street, Suite 3000, Cleveland, Ohio**  
(Address of principal executive offices)

**44114**  
(Zip Code)

**(216) 706-2960**  
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report.)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrants' under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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**Item 1.01 Entry into a Material Definitive Agreement.**

On November 30, 2017, TransDigm Inc. (“TransDigm”), a wholly-owned subsidiary of TransDigm Group Incorporated (“TD Group”), TD Group and certain subsidiaries of TransDigm entered into Amendment No. 4 and Refinancing Facility Agreement (the “Amendment”) to that certain Second Amended and Restated Credit Agreement, dated June 4, 2014 (as amended by Amendment No. 1 to the Second Amended and Restated Credit Agreement, dated June 9, 2016, Amendment No. 2 to the Second Amended and Restated Credit Agreement, dated March 6, 2017, Amendment No. 3 and Incremental Term Loan Assumption Agreement to the Second Amended and Restated Credit Agreement, dated August 22, 2017, and as further amended by the Amendment, the “Credit Agreement”), with Credit Suisse AG, as administrative agent and collateral agent (the “Agent”), and the other agents and lenders named therein. Pursuant to the Amendment, TransDigm, among other things, incurred (i) new tranche E term loans (the “New Tranche E Term Loans”) in an aggregate principal amount equal to \$1,503 million and new tranche F term loans (the “New Tranche F Term Loans”) in an aggregate principal amount equal to \$3,655 million, and (ii) repaid in full all of the existing tranche D term loans, tranche E term loans and tranche F term loans outstanding under the Credit Agreement immediately prior to the Amendment. The New Tranche E Term Loans and the New Tranche F Term Loans were fully drawn on November 30, 2017. The interest rates per annum applicable to the New Tranche E Term Loans and the New Tranche F Term Loans will be either (i) LIBOR plus 2.75% or (ii) a base rate plus 1.75%. The other terms and conditions, including the maturity date, that apply to the New Tranche E Term Loans are substantially the same as the terms and conditions that applied to the tranche E term loans immediately prior to the Amendment to the Credit Agreement and the other terms and conditions, including the maturity date, that apply to the New Tranche F Term Loans are substantially the same as the terms and conditions that applied to the tranche F term loans immediately prior to the Amendment.

The lenders and agents or their affiliates under the Amendment have in the past provided, and may in the future provide, advisory and other services to, or engage in transactions with, TransDigm and TD Group and receive customary compensation therefor.

The above summary of the Amendment is qualified in its entirety by reference to the Amendment, which is attached hereto as 10.1, and is incorporated herein by reference.

**Item 2.03. Creation of a Direct Financial Obligation.**

The information set forth in Item 1.01 is incorporated herein by reference.

**Item 7.01 Regulation FD Disclosure**

TD Group has provided an annual interest rate sensitivity analysis below in Table 1 that includes the aforementioned refinancing activity that occurred subsequent to TD Group’s fiscal 2017 fourth quarter earnings call held on November 13, 2017. The analysis reflects TD Group’s current debt structure, interest rate swaps and interest rate caps and assumes that the LIBO rate used to calculate TD Group’s annual interest expense grows from 1.3% to a hypothetical 6%.

**Table 1:**

The following table summarizes TD Group's annual interest rate sensitivity including all current interest rate swaps and interest rate caps:

(\$ in millions)

<b>LIBO rate</b>	<b>Total Annual Cash Interest Expense Before Tax</b>	<b>Wtd. Avg. Interest Rate Before Tax</b>	<b>Total Annual Cash Interest Expense After Tax (a)</b>	<b>Wtd. Avg. Interest Rate After Tax (a)</b>
1.3%	\$ 612	5.2%	\$ 422	3.6%
2.0%	\$ 637	5.4%	\$ 442	3.7%
3.0%	\$ 677	5.7%	\$ 467	3.9%
6.0%	\$ 767	6.5%	\$ 532	4.5%

- (a) After tax calculations assume a 31% effective tax rate. This document does not update or confirm guidance now but merely reflects the 12 month impact of varying LIBO rates on our current debt structure.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits:

- 10.1 [Amendment No. 4 and Refinancing Facility Agreement, dated as of November 30, 2017, to the Second Amended and Restated Credit Agreement, dated as of June 4, 2014, among TransDigm Inc., TransDigm Group Incorporated, each subsidiary of TransDigm Inc. party thereto, the lenders party thereto, and Credit Suisse AG, as administrative agent and collateral agent for the lenders.](#)

**SIGNATURES**

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

TRANSDIGM GROUP INCORPORATED

By: /s/ Terrance Paradie

Terrance Paradie

Executive Vice President and Chief Financial Officer

Date: December 6, 2017

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AMENDMENT NO. 4

and

REFINANCING FACILITY AGREEMENT

dated as of November 30, 2017

relating to the

SECOND AMENDED AND RESTATED CREDIT AGREEMENT

dated as of June 4, 2014,

among

TRANSDIGM INC.,

TRANSDIGM GROUP INCORPORATED,

THE SUBSIDIARIES OF TRANSDIGM INC. FROM TIME TO TIME PARTY THERETO,

THE LENDERS PARTY THERETO

and

CREDIT SUISSE AG,

as Administrative Agent and Collateral Agent

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CREDIT SUISSE SECURITIES (USA) LLC,  
BARCLAYS BANK PLC,  
CITIGROUP GLOBAL MARKETS INC.,  
CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK,  
GOLDMAN SACHS LENDING PARTNERS LLC,  
HSBC SECURITIES (USA) INC.,  
JPMORGAN CHASE BANK, N.A.,  
MORGAN STANLEY SENIOR FUNDING, INC.,  
RBC CAPITAL MARKETS

and

UBS SECURITIES LLC,  
as Joint Lead Arrangers and Joint Bookrunners

AMENDMENT NO. 4 AND REFINANCING FACILITY AGREEMENT dated as of November 30, 2017 (this "Agreement"), to the SECOND AMENDED AND RESTATED CREDIT AGREEMENT dated as of June 4, 2014, as amended by Amendment No. 1 dated as of June 9, 2016, Amendment No. 2 dated as of March 6, 2017 and Amendment No. 3 and Incremental Term Loan Assumption Agreement dated as of August 22, 2017 (as further amended, supplemented or otherwise modified from time to time prior to the date hereof, the "Credit Agreement"; and as amended hereby, the "Amended Credit Agreement"), among TRANSDIGM INC., a Delaware corporation (the "Borrower"), TRANSDIGM GROUP INCORPORATED, a Delaware corporation ("Holdings"), each subsidiary of the Borrower from time to time party thereto, the lenders party thereto, and CREDIT SUISSE AG, as administrative agent and collateral agent for the Lenders (in such capacities, the "Agent").

A. The Borrower has requested that (i) the Persons set forth on Schedule I hereto (the "New Tranche E Term Lenders") make Refinancing Term Loans in an aggregate principal amount of \$1,503,350,961.50 (the "New Tranche E Term Loans") to the Borrower on the Amendment No. 4 Effective Date (as defined below), (ii) the Persons set forth on Schedule I hereto (the "New Tranche F Term Lenders" and, together with the New Tranche E Term Lenders, the "2017 Refinancing Term Lenders") make Refinancing Term Loans in an aggregate principal amount of \$3,655,206,518.75 (the "New Tranche F Term Loans" and, together with the New Tranche E Term Loans, the "2017 Refinancing Term Loans") to the Borrower on the Amendment No. 4 Effective Date and (iii) certain provisions of the Credit Agreement be amended as set forth herein.

B. The 2017 Refinancing Term Lenders are willing to make the 2017 Refinancing Term Loans to the Borrower on the Amendment No. 4 Effective Date, and the Lenders party hereto, constituting the Required Lenders, are willing to amend the Credit Agreement as provided for herein, in each case, on the terms and subject to the conditions set forth herein and in the Credit Agreement.

Accordingly, in consideration of the mutual agreements herein contained and other good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, the parties hereto agree as follows:

Defined Terms. Capitalized terms used but not defined herein (including in the recitals hereto) shall have the meanings given to them in the Credit Agreement. The rules of interpretation set forth in Section 1.03 of the Credit Agreement are hereby incorporated by reference herein, *mutatis mutandis*. As used herein, the term "2017 Refinancing Transactions" means, collectively, (a) the execution, delivery and performance by each Loan Party of this Agreement, (b) the Borrowing of the 2017 Refinancing Term Loans hereunder and the use of the proceeds thereof in accordance with the terms of the Credit Agreement and this Agreement, (c) the repayment in full of the outstanding Tranche D Term Loans, together with all accrued and unpaid interest thereon (the "Tranche D

Refinancing”), (d) the repayment in full of the outstanding Tranche E Term Loans, together with all accrued and unpaid interest thereon (the “Tranche E Refinancing”), (e) the repayment in full of the outstanding Tranche F Term Loans, together with all accrued and unpaid interest thereon (the “Tranche F Refinancing”), and (f) the payment of fees and expenses incurred in connection with the foregoing (the “Transaction Costs”).

Refinancing Term Loan Commitments. a) Each New Tranche E Term Lender hereby agrees, severally and not jointly, on the terms set forth herein and in the Credit Agreement and subject to the conditions set forth herein, to make New Tranche E Term Loans to the Borrower on the Amendment No. 4 Effective Date in an aggregate principal amount not to exceed the amount set forth opposite such New Tranche E Term Lender’s name on Schedule I hereto under the heading “New Tranche E Term Loan Commitment”. Amounts borrowed under this Section 2(a) and repaid or prepaid may not be reborrowed.

Each New Tranche F Term Lender hereby agrees, severally and not jointly, on the terms set forth herein and in the Credit Agreement and subject to the conditions set forth herein, to make New Tranche F Term Loans to the Borrower on the Amendment No. 4 Effective Date in an aggregate principal amount not to exceed the amount set forth opposite such New Tranche F Term Lender’s name on Schedule I hereto under the heading “New Tranche F Term Loan Commitment”. Amounts borrowed under this Section 2(b) and repaid or prepaid may not be reborrowed.

Unless the context shall otherwise require, the 2017 Refinancing Term Loans shall constitute “Refinancing Term Loans” and the 2017 Refinancing Term Lenders shall constitute “Refinancing Term Lenders” and “Lenders”, in each case for all purposes of the Amended Credit Agreement and the other Loan Documents.

The proceeds of the New Tranche E Term Loans shall be used solely (i) to finance the Tranche E Refinancing, and (ii) to pay Transaction Costs.

The proceeds of the New Tranche F Term Loans shall be used solely (i) to finance the Tranche D Refinancing and the Tranche F Refinancing, and (ii) to pay Transaction Costs.

Unless previously terminated, the commitments of the 2017 Refinancing Term Lenders pursuant to Sections 2(a) and (b) shall terminate upon the making of the 2017 Refinancing Term Loans on the Amendment No. 4 Effective Date.

The initial Interest Period with respect to the New Tranche E Term Loans and the New Tranche F Term Loans shall be the Interest Period set forth in the applicable notice of borrowing delivered by the Borrower to the Administrative Agent pursuant to Section 4(d) of this Agreement.

Amendments to Credit Agreement. Effective as of the Amendment No. 4 Effective Date, the Credit Agreement is hereby amended as follows:

Section 1.01 of the Credit Agreement is hereby amended by inserting the following defined terms in the appropriate alphabetical order therein:

“Amendment No. 4” means Amendment No. 4 and Refinancing Facility Agreement dated as of November 30, 2017, relating to this Agreement.

“Amendment No. 4 Effective Date” has the meaning assigned to such term in Amendment No. 4.

The second proviso in the definition of the term “Adjusted LIBO Rate” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows: “provided, further, that the Adjusted LIBO Rate with respect to (i) any Loans (other than Other Term Loans (to the extent expressly provided in the related Incremental Term Loan Assumption Agreement), Tranche E Term Loans and Tranche F Term Loans) shall be deemed to be not less than 0.75% per annum and (ii) Tranche E Term Loans and Tranche F Term Loans shall be deemed to be not less than 0.00% per annum”.

Clause (a) in the definition of the term “Alternate Base Rate” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows: “(a) (i) 1.75% per annum, with respect to any Loans (other than Other Term Loans (to the extent expressly provided in the related Incremental Term Loan Assumption Agreement), Tranche E Term Loans and Tranche F Term Loans), and (ii) 1.00% per annum, with respect to Tranche E Term Loans and Tranche F Term Loans,”.

Clause (b) of the definition of the term “Applicable Rate” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows: “(b) (i) with respect to Tranche G Term Loans, (x) for Eurocurrency Loans, 3.00% per annum, and (y) for ABR Loans, 2.00% per annum, and (ii) with respect to Tranche E Term Loans and Tranche F Term Loans, (x) for Eurocurrency Loans, 2.75% per annum, and (y) for ABR Loans, 1.75% per annum; and”.

Clause (2)(a) of the definition of the term “Consolidated EBITDA” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“(a) (i) all income Taxes and foreign withholding Taxes, (ii) all Taxes based on capital and commercial activity (or similar Taxes) and (iii) any Taxes that result from (x) the exercise by any holder of warrants, options or other rights to acquire Qualified Capital Stock (other than Qualified Capital Stock that is Preferred Stock) or (y) Dividend Equivalent Payments, in each case, of such Person and its Restricted Subsidiaries paid or accrued in accordance with GAAP for such period;”



The definition of the term “Tranche E Term Loan Commitments” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“Tranche E Term Loan Commitments” means the New Tranche E Term Loan Commitments in an aggregate principal amount of \$1,503,350,961.50 established pursuant to (and as defined in) Amendment No. 4.

The definition of the term “Tranche E Term Loans” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“Tranche E Term Loans” means the Term Loans made by the Lenders to the Borrower pursuant to Section 2(a) of Amendment No. 4.

The definition of the term “Tranche F Term Loan Commitments” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“Tranche F Term Loan Commitments” means the New Tranche F Term Loan Commitments in an aggregate principal amount of \$3,655,206,518.75 established pursuant to (and as defined in) Amendment No. 4.

The definition of the term “Tranche F Term Loans” set forth in Section 1.01 of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“Tranche F Term Loans” means the Term Loans made by the Lenders to the Borrower pursuant to Section 2(b) of Amendment No. 4.

Section 2.08(a) of the Credit Agreement is hereby amended by restating clause (iii) in its entirety as follows:

The Borrower shall pay to the Agent, for the account of the Tranche E Term Lenders, on the dates set forth below, or if any such date is not a Business Day, on the next preceding Business Day, a principal amount of the Tranche E Term Loans (as adjusted from time to time pursuant to Sections 2.08(c), 2.09(c), 2.10(h) and 2.24(d)) equal to the amount set forth below for such date, together in each case with accrued and unpaid interest on the principal amount to be paid to but excluding the date of such payment:

<u>DATE</u>	<u>SCHEDULED TRANCHE E TERM LOAN REPAYMENTS</u>
December 31, 2017	\$3,758,377.40
March 31, 2018	\$3,758,377.40
June 30, 2018	\$3,758,377.40
September 30, 2018	\$3,758,377.40
December 31, 2018	\$3,758,377.40

<u>DATE</u>	<u>SCHEDULED TRANCHE E TERM LOAN REPAYMENTS</u>
March 31, 2019	\$3,758,377.40
June 30, 2019	\$3,758,377.40
September 30, 2019	\$3,758,377.40
December 31, 2019	\$3,758,377.40
March 31, 2020	\$3,758,377.40
June 30, 2020	\$3,758,377.40
September 30, 2020	\$3,758,377.40
December 31, 2020	\$3,758,377.40
March 31, 2021	\$3,758,377.40
June 30, 2021	\$3,758,377.40
September 30, 2021	\$3,758,377.40
December 31, 2021	\$3,758,377.40
March 31, 2022	\$3,758,377.40
Tranche E Maturity Date	Remainder

Section 2.08(a) of the Credit Agreement is hereby amended by restating clause (iv) in its entirety as follows:

The Borrower shall pay to the Agent, for the account of the Tranche F Term Lenders, on the dates set forth below, or if any such date is not a Business Day, on the next preceding Business Day, a principal amount of the Tranche F Term Loans (as adjusted from time to time pursuant to Sections 2.08(c), 2.09(c), 2.10(h) and 2.24(d)) equal to the amount set forth below for such date, together in each case with accrued and unpaid interest on the principal amount to be paid to but excluding the date of such payment:

<u>DATE</u>	<u>SCHEDULED TRANCHE F TERM LOAN REPAYMENTS</u>
December 31, 2017	\$9,138,016.30
March 31, 2018	\$9,138,016.30
June 30, 2018	\$9,138,016.30
September 30, 2018	\$9,138,016.30
December 31, 2018	\$9,138,016.30
March 31, 2019	\$9,138,016.30
June 30, 2019	\$9,138,016.30
September 30, 2019	\$9,138,016.30
December 31, 2019	\$9,138,016.30
March 31, 2020	\$9,138,016.30
June 30, 2020	\$9,138,016.30
September 30, 2020	\$9,138,016.30
December 31, 2020	\$9,138,016.30

<u>DATE</u>	<u>SCHEDULED TRANCHE F TERM LOAN REPAYMENTS</u>
March 31, 2021	\$9,138,016.30
June 30, 2021	\$9,138,016.30
September 30, 2021	\$9,138,016.30
December 31, 2021	\$9,138,016.30
March 31, 2022	\$9,138,016.30
June 30, 2022	\$9,138,016.30
September 30, 2022	\$9,138,016.30
December 31, 2022	\$9,138,016.30
March 31, 2023	\$9,138,016.30
Tranche F Maturity Date	Remainder

Section 2.09(d) of the Credit Agreement is hereby amended by (i) replacing the words “prior to the date that is six months after the Amendment No. 3 Effective Date” therein with the words “(x) prior to the date that is six months after the Amendment No. 3 Effective Date, in the case of the Tranche G Term Loans or (y) prior to the date that is six months after the Amendment No. 4 Effective Date, in the case of the Tranche E Term Loans or the Tranche F Term Loans”, (ii) replacing each other instance of the words “the Tranche G Term Loans” therein with the words “such Term Loans” and (iii) replacing the words “its Tranche G Term Loans” therein with the words “its Term Loans of such Class”.

The proviso in Section 2.26(b) of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“; provided that such stated termination and maturity dates shall not be earlier than (x) the Maturity Date then in effect with respect to the applicable Class of Revolving Credit Commitments being so refinanced (in the case of Refinancing Revolving Commitments and Refinancing Revolving Loans) or (y) the Maturity Date then in effect with respect to the applicable Class of Term Loans being so refinanced (in the case of Refinancing Term Loan Commitments and Refinancing Term Loans),”

The first proviso in Section 6.02(c)(4) of the Credit Agreement is hereby amended and restated in its entirety to read as follows:

“provided that all such Dividend Equivalent Payments and redemptions or repurchases pursuant to this clause (4) shall not exceed in any fiscal year the sum of (a) the lesser of (x)(i) \$50,000,000, plus (ii) any unused amounts under clause (x)(i) above (which unused amounts shall be deemed to constitute \$93,650,000 as of the Amendment No. 4 Effective

Date) from prior fiscal years, and (y) \$100,000,000, plus (b) the amount of any net cash proceeds received from the sale since the Closing Date of Equity Interests (other than Disqualified Capital Stock) to members of the Borrower's management team that have not otherwise been applied to the payment of Restricted Payments pursuant to the terms of clause (2) of this paragraph and the cash proceeds of any "key-man" life insurance policies which are used to make such redemptions or repurchases;"

Conditions Precedent to Effectiveness. The effectiveness of this Agreement and the obligations of the 2017 Refinancing Term Lenders to make the 2017 Refinancing Term Loans shall be subject to the satisfaction or waiver of the following conditions precedent (the date on which such conditions precedent are so satisfied or waived, the "Amendment No. 4 Effective Date"):

the Agent shall have received counterparts of this Agreement that, when taken together, bear the signatures of (i) the Borrower, Holdings and the Subsidiaries of the Borrower party to the Credit Agreement on the date hereof, (ii) the Agent, (iii) the 2017 Refinancing Term Lenders and (iv) Lenders constituting the Required Lenders (immediately after giving effect to the making of the 2017 Refinancing Term Loans and the consummation of the Tranche D Refinancing, the Tranche E Refinancing and the Tranche F Refinancing);

at the time of and immediately after giving effect to the making of the 2017 Refinancing Term Loans and the application of the proceeds thereof, each of the conditions set forth in Section 4.01(b) and Section 4.01(c) of the Credit Agreement shall be satisfied; provided that, for purposes of the condition set forth in Section 4.01(b), the words "Second Restatement Date" set forth in Section 3.13(a) of the Credit Agreement shall be deemed to be "Amendment No. 4 Effective Date" in each place they appear therein, the words "Second Restatement Transactions" in Section 3.13(a) of the Credit Agreement shall be deemed to be "2017 Refinancing Transactions" and the parenthetical in Section 3.13(a) of the Credit Agreement shall be disregarded;

the Agent shall have received a certificate dated as of the Amendment No. 4 Effective Date and executed by a Financial Officer of the Borrower with respect to the conditions set forth in paragraph (b) above;

the Agent shall have received a notice of borrowing with respect to each of (i) the New Tranche E Term Loans and (ii) the New Tranche F Term Loans in accordance with Section 2.03 and Section 2.26(a) of the Credit Agreement;

the Agent shall have received a solvency certificate in form and substance reasonably satisfactory to the Agent to the effect that Holdings and its Subsidiaries, on a consolidated basis after giving effect to the 2017 Refinancing Transactions, are solvent (within the meaning of Section 3.13 of the Credit Agreement, as modified in the same manner as set forth in clause (b) above);

the Agent shall have received legal opinions, board resolutions and other closing certificates consistent with those delivered on the Amendment No. 3 Effective Date;

the Agent shall have received, at least three Business Days prior to the Amendment No. 4 Effective Date, all documentation and other information required by regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including the USA PATRIOT Act, that has been reasonably requested by the Agent or any 2017 Refinancing Term Lender at least five Business Days prior to the Amendment No. 4 Effective Date; and

the Agent shall have received payment of all fees and reimbursement of all expenses separately agreed in writing by the Borrower and the arrangers of the 2017 Refinancing Term Loans or required by Section 9.03 of the Credit Agreement or by any other Loan Document to be reimbursed by the Borrower on the Amendment No. 4 Effective Date in connection with this Agreement and the transactions contemplated hereby to the extent invoiced at least one Business Day prior to the Amendment No. 4 Effective Date.

The Agent shall notify the Borrower and the Lenders of the Amendment No. 4 Effective Date, and such notice shall be conclusive and binding.

[Reserved]

Representations and Warranties. To induce the other parties hereto to enter into this Agreement, Holdings and the Borrower represent and warrant to each of the Lenders (including the 2017 Refinancing Term Lenders) and the Agent that (a) this Agreement has been duly authorized, executed and delivered by Holdings, the Borrower and the Subsidiaries of the Borrower party hereto, and this Agreement constitutes a legal, valid and binding obligation of Holdings, the Borrower and the Subsidiaries of the Borrower party hereto, subject to applicable bankruptcy, insolvency, moratorium, reorganization, fraudulent conveyance or other similar laws affecting creditors' rights generally and to general principles of equity; (b) after giving effect to this Agreement, the representations and warranties set forth in Article III of the Credit Agreement and in each other Loan Document are true and correct in all material respects on and as of the Amendment No. 4 Effective Date, except to the extent such representations and warranties expressly relate to an earlier date, in which case they were true and correct in all material respects on and as of such earlier date; provided that, (i) in each case, such materiality qualifier shall not be applicable to any representation and warranty that already is qualified or modified by materiality in the text thereof and (ii) for purposes of the representation in Section 3.13(a) of the Credit Agreement, the words "Second Restatement Date" in each place set forth therein shall be deemed to be "Amendment No. 4 Effective Date", the words "Second Restatement Transactions" shall be deemed to be "2017 Refinancing Transactions" and the parenthetical in Section 3.13(a) of the Credit Agreement shall be disregarded; and (c) as of the Amendment No. 4 Effective Date, after giving effect to this Agreement, no Default or Event of Default has occurred and is continuing or would reasonably be expected to result from the borrowing of the 2017 Refinancing Term Loans and the use of the proceeds thereof.

Certain Post-Effectiveness Collateral Obligations. The Borrower shall deliver to the Agent each of the documents, and take each of the actions, specified in Schedule II hereto.

Effect of Agreement. Except as expressly set forth herein, this Agreement shall not by implication or otherwise limit, impair, constitute a waiver of, or otherwise affect the rights and remedies of the Lenders or the Agent under the Credit Agreement or any other Loan Document, and shall not alter, modify, amend or in any way affect any of the terms, conditions, obligations, covenants or agreements contained in the Credit Agreement or any other Loan Document, all of which are ratified and affirmed in all respects and shall continue in full force and effect. Nothing herein shall be deemed to entitle any Loan Party to a consent to, or a waiver, amendment, modification or other change of, any of the terms, conditions, obligations, covenants or agreements contained in the Credit Agreement or any other Loan Document in similar or different circumstances. This Agreement shall apply and be effective only with respect to the provisions of the Credit Agreement specifically referred to herein. After the Amendment No. 4 Effective Date, any reference to the Credit Agreement in any Loan Document, and the terms “this Agreement”, “herein”, “hereunder”, “hereto”, “hereof” and words of similar import in the Credit Agreement, shall, unless the context otherwise requires, mean the Credit Agreement as modified hereby. This Agreement shall constitute a “Loan Document” and a “Refinancing Facility Agreement”, in each case for all purposes of the Amended Credit Agreement and the other Loan Documents.

Acknowledgement and Consent. Each Loan Party hereby acknowledges that it has read this Agreement and consents to the terms hereof and further hereby affirms, confirms and agrees that (a) notwithstanding the effectiveness of this Agreement, the obligations of such Loan Party under each of the Loan Documents to which it is a party shall not be impaired and each of the Loan Documents to which such Loan Party is a party is, and shall continue to be, in full force and effect and is hereby confirmed and ratified in all respects, in each case, as amended hereby; (b) its Guarantee of the Obligations, and the pledge of and/or grant of a security interest in its assets as Collateral to secure the Obligations, all as and to the extent provided in the Collateral Documents as originally executed, shall continue in full force and effect in respect of, and to secure, the Obligations (including the 2017 Refinancing Term Loans); and (c) all the representations and warranties made by or relating to it contained in the Credit Agreement and the other Loan Documents are true and correct in all material respects on and as of the Amendment No. 4 Effective Date, except to the extent such representations and warranties expressly relate to an earlier date, in which case they shall be true and correct in all material respects on and as of such earlier date; provided that, in each case, such materiality qualifier shall not be applicable to any representation and warranty that already is qualified or modified by materiality in the text thereof.

Joint Lead Arrangers and Bookrunners. The joint lead arrangers and bookrunners listed on the cover page hereof shall not have any right, power, obligation, liability, responsibility or duty under this Agreement other than those applicable to all Lenders as such.

Counterparts. This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or other electronic method of transmission shall be effective as delivery of a manually signed counterpart of this Agreement.

Governing Law. THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK. The provisions of Sections 9.09 and 9.10 of the Credit Agreement shall apply to this Agreement to the same extent as if fully set forth herein.

Headings. Section headings used herein are for convenience of reference only, are not part of this Agreement and shall not affect the construction of, or be taken into consideration in interpreting, this Agreement.

*[Remainder of page intentionally left blank]*

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their duly authorized officers, all as of the date first above written.

**TRANSDIGM INC.  
ACME AEROSPACE, INC.  
ADAMS RITE AEROSPACE, INC.  
AEROCONTROLEX GROUP, INC.  
AEROSONIC LLC  
AIRBORNE ACQUISITION, INC.  
AIRBORNE GLOBAL, INC.  
AIRBORNE HOLDINGS, INC.  
AIRBORNE SYSTEMS NA INC.  
AIRBORNE SYSTEMS NORTH AMERICA INC.  
AIRBORNE SYSTEMS NORTH AMERICA OF CA INC.  
AMSAFE GLOBAL HOLDINGS, INC.  
AMSAFE, INC.  
ARKWIN INDUSTRIES, INC.  
AVIATION TECHNOLOGIES, INC.  
AVIONIC INSTRUMENTS LLC  
AVIONICS SPECIALTIES, INC.  
AVTECHTYEE, INC.  
BETA TRANSFORMER TECHNOLOGY  
CORPORATION  
BETA TRANSFORMER TECHNOLOGY LLC  
BREEZE EASTERN LLC  
BRIDPORT HOLDINGS, INC.  
BRIDPORT-AIR CARRIER, INC.  
BRUCE AEROSPACE INC.  
CDA INTERCORP LLC  
CEF INDUSTRIES, LLC  
CHAMPION AEROSPACE LLC  
DATA DEVICE CORPORATION  
DUKES AEROSPACE, INC.  
ELECTROMECH TECHNOLOGIES LLC  
HARCO LLC  
HARTWELL CORPORATION  
ILC HOLDINGS, INC.  
ILC INDUSTRIES, LLC  
MARATHONNORCO AEROSPACE, INC.  
MCKECHNIE AEROSPACE DE, INC.  
MCKECHNIE AEROSPACE HOLDINGS, INC.  
MCKECHNIE AEROSPACE US LLC  
PEXCO AEROSPACE, INC.  
PNEUDRAULICS, INC.  
SCHNELLER LLC  
SEMCO INSTRUMENTS, INC.  
SHIELD RESTRAINT SYSTEMS, INC.**

[Signature Page to Amendment No. 4 and Refinancing Facility Agreement]



**SKURKA AEROSPACE INC.  
TELAIR INTERNATIONAL LLC  
TELAIR US LLC  
TEXAS ROTRONICS, INC.  
TRANSICOIL LLC  
WHIPPANY ACTUATION SYSTEMS, LLC  
YOUNG & FRANKLIN INC.  
TACTAIR FLUID CONTROLS, INC.  
JOHNSON LIVERPOOL LLC  
SCHROTH SAFETY PRODUCTS LLC  
INTERIORS IN FLIGHT LLC  
NORTH HILLS SIGNAL PROCESSING CORP.  
NORTH HILLS SIGNAL PROCESSING OVERSEAS  
CORP.**

By: /s/ Sean P. Maroney

\_\_\_\_\_  
Name: Sean P. Maroney

Title: Treasurer

[Signature Page to Amendment No. 4 and Refinancing Facility Agreement]

**TRANSDIGM GROUP INCORPORATED**

By: /s/ Terrance M. Paradie

Name: Terrance M. Paradie

Title: Executive Vice President,  
Chief Financial Officer and Treasurer

**AIRBORNE SYSTEMS NORTH AMERICA OF NJ INC.**

By: /s/ Sean P. Maroney

Name: Sean P. Maroney

Title: Vice President and Treasurer

**BRIDPORT ERIE AVIATION, INC.**

By: /s/ Sean P. Maroney

Name: Sean P. Maroney

Title: Chairman of the Board and President

[Signature Page to Amendment No. 4 and Refinancing Facility Agreement]

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as  
New Tranche E Term Lender, New Tranche F Term Lender  
and as Agent

by

/s/ John D. Toronto

Name: John D. Toronto

Title: Authorized Signatory

by

/s/ Warren Van Heyst

Name: Warren Van Heyst

Title: Authorized Signatory

**Name of Institution:**

**5180-2 CLO LP**

By: Guggenheim Partners Investment Management, LLC, as Collateral Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**55 Loan Strategy Fund a series Trust of Multi Manager Global Investment Trust**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**55 Loan Strategy Fund Series 2 A Series Trust Of Multi Manager Global Investment Trust**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**55 Loan Strategy Fund Series 3 A Series Trust of Multi Manager Global Investment Trust**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**55 Loan Strategy Fund Series 4 a Series Trust of Multi Manager Global Investment Trust**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**ABR Reinsurance LTD.**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ACE Property & Casualty Insurance Company**

BY: BlackRock Financial Management Inc., its Investment Advisor

by:

/s/ Ron Jacobi

Name: Ron Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Adams Mill CLO Ltd.**

By: Shenkman Capital Management Inc., as Collateral Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AGER Corporate Loans HY**

By: Apollo Management International LLP,  
its sub-advisor

By: AMI (Holdings), LLC,  
its member

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AGF Floating Rate Income Fund**

By: Eaton Vance Management as Portfolio Manager

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:** AIB Debt Management, Limited

by:

/s/ Fiona Travers

Name: Fiona Travers

Title: Vice President,  
Investment Advisor to AIB Debt Management, Limited

For any institution requiring a second signature line:

by: /s/ Paul McGinley

Name: Paul McGinley

Title: Assistant Vice President  
Investment Advisor to AIB Debt Management, Limited

**Name of Institution:**

**AIG Flexible Credit Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: AIMCO CLO, Series 2017-A**

**By: Allstate Investment Management Company, as Collateral Manager**

by:

/s/ Kyle Roth

Name: Kyle Roth

Title: Authorized Signatory

by: /s/ Marvin L. Lutz, III

Name: Marvin L. Lutz, III

Title: Authorized Signatory



SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:**

**ALM V, Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM VI, Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM VII (R), Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM VII (R)-2, Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM VII, Ltd.**

BY: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM VIII, Ltd.**

BY: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM XI, Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM XII, Ltd.**

By: Apollo Credit Management (CLO), LLC, as Collateral Manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**ALM XIX, LTD.**

by Apollo Credit Management (CLO), LLC, as its collateral manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM XVI, LTD.**

by Apollo Credit Management (CLO), LLC, as its collateral manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM XVII, Ltd.**

by Apollo Credit Management (CLO), LLC, as its collateral manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ALM XVIII, LTD.**

by Apollo Credit Management (CLO), LLC, as its collateral manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Alpinum Investment S.A.**

Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BayernInvest Alternative Loan-Fonds**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AMISSIMA DIVERSIFIED INCOME ICAV, Amissima Assicurazioni Corporate Loans/High Yield Bonds Fund**  
an Umbrella Irish Collective Asset-Management Vehicle with Segregated Liability between its Sub-Funds, acting in respect of its Sub-Fund,

By: Apollo Management International LLP,  
its portfolio manager

By: AMI (Holdings), LLC, its member

by:

/s/ Joseph Glatt

Name: Joseph Glatt  
Title: Vice President

For any institution requiring a second signature line:

by:

Name:  
Title:

**Name of Institution:**

**AMISSIMA DIVERSIFIED INCOME ICAV, Amissima Vita Corporate Loans/High Yield Bonds Fund**  
an Umbrella Irish Collective Asset-Management Vehicle with Segregated Liability between its Sub-Funds, acting in respect of its Sub-Fund,

By: Apollo Management International LLP,  
its portfolio manager

By: AMI (Holdings), LLC, its member

by:

/s/ Joseph Glatt

Name: Joseph Glatt  
Title: Vice President

For any institution requiring a second signature line:

by:

Name:  
Title:



**Name of Institution:**

**AMJ Bank Loan Fund SERIES 2 A SERIES TRUST OF MULTI MANAGER GLOBAL INVESTMENT TRUST**

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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**Name of Institution:**

**AMJ LOAN FUND SERIES 4 A SERIES TRUST OF MULTI MANAGER GLOBAL INVESTMENT TRUST**

By: Brown Brothers Harriman Trust Company (Cayman) Limited acting solely in its capacity as trustee of AMJ Loan Fund Series 4, a series trust of Multi Manager Global Investment Trust, acting by HPS Investment Partners, LLC as attorney-in-fact

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AMMC CLO 21, LIMITED**

By: American Money Management Corp., as Collateral Manager

by:

/s/ David Meyer

Name: David Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AMMC CLO XIII, LIMITED**

By: American Money Management Corp., as Collateral Manager

by:

/s/ David Meyer

Name: David Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Anchorage Capital CLO 2012-1, Ltd.**

BY: Anchorage Capital Group, L.L.C., its Investment Manager

by:

/s/ Melissa Griffiths

Name: Melissa Griffiths

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Anchorage Capital CLO 2013-1, Ltd.**

BY: Anchorage Capital Group, L.L.C., its Investment Manager

by:

/s/ Melissa Griffiths

Name: Melissa Griffiths

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ANIC Protected Cell of LTC Re**

By: Wellington Management Company LLP as its Investment Advisor

by:

/s/ Donna Sirianni

Name: Donna Sirianni

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Aon Hewitt Group Trust - High Yield Plus Bond Fund**

By: Bain Capital Credit, LP, as Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Apidos CLO XIX**

BY: Its Collateral Manager, CVC Credit Partners, LLC

by:

/s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Apidos CLO XXIII**

By: Its Collateral Manager, CVC Credit Partners, LLC

by:

/s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**APIDOS CLO XXVI**

by:

/s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Apidos CLO XXVIII**

By: Its Collateral Manager CVC CREDIT PARTNERS U.S. CLO MANAGEMENT LLC,

by:

/s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Apollo Credit Funding III Ltd.**

By: Apollo ST Fund Management LLC, its investment manager

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Apollo Credit Funding V Ltd.**

By Apollo ST Fund Management LLC, as its collateral manager

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:**

**Apollo Credit Funding VI Ltd.**

By: Apollo ST Fund Management LLC, as its collateral manager

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Arch Reinsurance LTD.**

BY: BlackRock Financial Management, Inc., its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Ares XLIII CLO Ltd.**

By: Ares CLO Management LLC, as its Asset Manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XLV CLO Ltd.**

By: Ares CLO Management II LLC, as its Asset Manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares Enhanced Credit Opportunities Fund B, LTD.**

BY: ARES ENHANCED CREDIT OPPORTUNITIES FUND MANAGEMENT, L.P., ITS INVESTMENT MANAGER

ARES ENHANCED CREDIT OPPORTUNITIES FUND MANAGEMENT GP, LLC, ITS GENERAL PARTNER

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares Loan Trust 2011**

BY: ARES MANAGEMENT LLC, ITS INVESTMENT MANAGER

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares Loan Trust 2016**

By: Ares Management LLC, as Investment Manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares Multi-Strategy Credit Fund V (H), L.P.**

BY: Ares MSCF V (H) Management LLC, its Manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XLII CLO Ltd.**

By: Ares CLO Management II LLC, its asset manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XLIV CLO Ltd.**

By: Ares CLO Management II LLC, its Asset Manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Ares XXVII CLO Ltd.**

By: Ares CLO Management LLC, its asset manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XXXI CLO Ltd.**

By: Ares CLO Management XXXI, L.P., its Portfolio Manager

By: Ares Management LLC, its General Partner

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XXXIV CLO Ltd.**

By: Ares CLO Management LLC, its collateral manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XXXIX CLO Ltd.**

By: Ares CLO Management II LLC, its asset manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XXXV CLO Ltd.**

By: Ares CLO Management LLC, its asset manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ares XXXVII CLO Ltd.**

By: Ares CLO Management LLC, its asset manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Investment Advisor to:  
Arkansas Public Employees Retirement System**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Ascension Alpha Fund, LLC**

By: Amundi Pioneer Institutional Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Athene Annuity and Life Company**

BY: Athene Asset Management, L.P., its investment manager  
Apollo Capital Management, L.P., its sub-advisor

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ATLAS SENIOR LOAN FUND V, LTD.**

By: Crescent Capital Group LP, its adviser

by:

/s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

For any institution requiring a second signature line:

by: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

**Name of Institution:**

**ATLAS SENIOR LOAN FUND VI, LTD.**

By: Crescent Capital Group LP, its adviser

by:

/s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

For any institution requiring a second signature line:

by: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

**Name of Institution:**

**ATLAS SENIOR LOAN FUND VII, LTD.**

By: Crescent Capital Group LP, its adviser

by:

/s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

For any institution requiring a second signature line:

by: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

**Name of Institution:**

**Atlas Senior Secured Loan Fund VIII, Ltd.**

By: Crescent Capital Group LP, its adviser

by:

/s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

For any institution requiring a second signature line:

by: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

**Name of Institution:**

**Auburn CLO, Ltd.**

By: Guggenheim Partners Investment Management,  
LLC as Collateral Manager

by:

/s/ Trinh, Kaitlin

\_\_\_\_\_  
Name: Trinh, Kaitlin

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AustralianSuper**

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AVAW**

BY: INTERNATIONALE  
KAPITALANLAGEGESELLSCHAFT mbH  
acting for account of AVAW

Represented by: Oak Hill Advisors, L.P.  
As Fund Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**AVAW Loans Sankaty z.H. Internationale  
Kapitalanlagegesellschaft mbH**  
By: Bain Capital Credit, LP, as Fund Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Avery Point VII CLO, Limited**

By: Bain Capital Credit, LP, as Portfolio Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Axis Specialty Limited**

By: Voya Investment Management Co. LLC,  
as its investment manager

by:

/s/ Jim Essert

\_\_\_\_\_  
Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BAIN CAPITAL CREDIT CLO 2016-2, LIMITED**

By: Bain Capital Credit CLO Advisors, LP, as Portfolio  
Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Bain Capital Credit CLO 2017-1, Limited**

By: Bain Capital Credit, LP, as Collateral Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Bain Capital Credit CLO 2017-2, Limited**

By: Bain Capital Credit, LP, as Collateral Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BAIN CAPITAL SENIOR LOAN FUND (SRI), L.P.**

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Bain Capital Senior Loan Fund Public Limited Company**

By: Bain Capital Credit, LP, as Investment Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**BAIN CAPITAL SENIOR LOAN FUND, L.P.**

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Baloise Senior Secured Loan Fund II**

By: Bain Capital Credit, LP, as Sub Investment  
Manager

by:

/s/ Andrew Viens

\_\_\_\_\_  
Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Baloise Senior Secured Loan Fund III**

By: Octagon Credit Investors, LLC  
as Sub Investment Manager

by:

/s/ Kimberly Wong Lem

\_\_\_\_\_  
Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Bandera Strategic Credit Partners II, L.P.**

By: Guggenheim Partners Investment Management,  
LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING FACILITY  
AGREEMENT DATED AS OF THE DATE FIRST WRITTEN ABOVE, TO THE  
TRANSDIGM INC. SECOND AMENDED AND RESTATED CREDIT  
AGREEMENT

Name of Institution: Bank of America, N.A.

by:

/s/ Jennifer Koszta

Name: Jennifer Koszta

Title: AVP

**Name of Institution:**

**Battalion CLO IV Ltd.**

BY: BRIGADE CAPITAL MANAGEMENT LP As  
Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO IX Ltd.**

By: Brigade Capital Management, LP as Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO V Ltd.**

By: BRIGADE CAPITAL MANAGEMENT, LP As  
Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Battalion CLO VI Ltd.**

By: Brigade Capital Management, LP as Collateral  
Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO VII Ltd.**

By: Brigade Capital Management, LP as Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO VIII Ltd.**

By: BRIGADE CAPITAL MANAGEMENT, LP  
as Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO X Ltd.**

By: BRIGADE CAPITAL MANAGEMENT, LP  
as Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Battalion CLO XI Ltd.**

By: BRIGADE CAPITAL MANAGEMENT, LP  
as Collateral Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Benefit Street Partners CLO II, Ltd.**

by:

/s/ Todd Marsh

Name: Todd Marsh

Title: Authorized Signer

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Benefit Street Partners CLO VIII, Ltd.**

by:

/s/ Todd Marsh

\_\_\_\_\_  
Name: Todd Marsh

Title: Authorized Signer

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Bentham Syndicated Loan Fund**

By: Credit Suisse Asset Management, LLC., as Agent  
(Sub Advisor) for Challenger Investment Services  
Limited, the Responsible Entity for Bentham Syndicated  
Loan Fund

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Big River Group Fund SPC Limited-Bond Segregated  
Portfolio**

BY: BRIGADE CAPITAL MANAGEMENT, LP As  
Investment Manager

by:

/s/ Colin Galuski

\_\_\_\_\_  
Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Birchwood Park CLO, Ltd.**

By: GSO / Blackstone Debt Funds Management LLC as  
Collateral Manager

by:

/s/ Thomas Iannarone

\_\_\_\_\_  
Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BJC Pension Plan Trust**

BY: GSO Capital Advisors LLC, its Investment  
Manager

by:

/s/ Thomas Iannarone

\_\_\_\_\_  
Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Credit Strategies Income Fund of BlackRock  
Funds II**

By: BlackRock Advisors, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Debt Strategies Fund, Inc.**

BY: BlackRock Financial Management, Inc., its Sub-Advisor

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Limited Duration Income Trust**

BY: BlackRock Financial Management, Inc., its Sub-  
Advisor

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Floating Rate Income Strategies Fund, Inc.**

BY: BlackRock Financial Management, Inc., its Sub-  
Advisor

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Floating Rate Income Trust**

By: BlackRock Advisors, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**BlackRock Funds II, BlackRock Strategic Income Opportunities Portfolio**

By: BlackRock Advisors, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Funds II, BlackRock Floating Rate Income Portfolio**

By: BlackRock Advisors, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Funds II, BlackRock Multi-Asset Income Portfolio**

By: BlackRock Advisors, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Global Investment Series: Income Strategies Portfolio**

BY: BlackRock Financial Management, Inc., its Sub-Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Global Long/Short Credit Fund of BlackRock Funds**

BY: BlackRock Financial Management, Inc., its Sub-Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlackRock Senior Floating Rate Portfolio**

By: BlackRock Investment Management, LLC, its Investment Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Blackstone / GSO Senior Loan Portfolio**

By: GSO / Blackstone Debt Funds Management LLC as Sub-Adviser

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Blackstone GSO U.S. Loan Funding Designated Activity Company**

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Blue Cross and Blue Shield of Florida, Inc.**

BY: Guggenheim Partners Investment Management, LLC as Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Blue Cross of California**

By: Bain Capital Credit,LP, as Investment Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Blue Cross of Idaho Health Service, Inc.**

By: Seix Investment Advisors LLC, as Investment Manager

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**BlueMountain Fuji US CLO II, Ltd.**

By: BlueMountain Fuji Management, LLC, Series A

by:

/s/ Ellen Brooks

Name: Ellen Brooks

Title: Operations Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:** CARDIF BNPP IP Global Senior Corporate Loans

by:

/s/ Dennis Train

Name: Dennis Train

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Bettina Boccadifloro

Name: Bettina Boccadifloro

Title: Credit Analyst

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:** BNP Paribas Flexi III Global Senior Corporate Loans Fund

by:

/s/ Dennis Train

Name: Dennis Train

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Bettina Boccadifloro

Name: Bettina Boccadifloro

Title: Credit Analyst

**Name of Institution:** BNP Paribas Global Senior Corporate Loans

by:

/s/ Dennis Train

Name: Dennis Train

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Bettina Boccadifloro

Name: Bettina Boccadifloro

Title: Credit Analyst

**Name of Institution:** BNP Paribas Senior Corporate Loans Europe / US

by:

/s/ Dennis Train

Name: Dennis Train

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Bettina Boccadifloro

Name: Bettina Boccadifloro

Title: Credit Analyst



SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:** BNP Paribas Flexi III Senior Secured Bank Loans Fund Mogliano

by:

/s/ Dennis Train

Name: Dennis Train

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Bettina Boccadifloro

Name: Bettina Boccadifloro

Title: Credit Analyst

**Name of Institution:**

**Brevis High Income Fund, L.P.**

by SHENKMAN CAPITAL MANAGEMENT, INC., as General Partner

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brigade Credit Fund II, LTD.**

BY: BRIGADE CAPITAL MANAGEMENT, LP As Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brigade Opportunistic Credit LBG Fund Ltd.**

By: Brigade Capital Management, LP as Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brigade Opportunistic Credit Fund 16 LLC**

By: BRIGADE CAPITAL MANAGEMENT, LP as Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brigade Opportunistic Credit Fund - ICIP, Ltd.**

By: BRIGADE CAPITAL MANAGEMENT, LP as Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brighthouse Funds Trust I - Brighthouse/Eaton Vance Floating Rate Portfolio**

BY: Eaton Vance Management as Investment Sub-Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Brookside Mill CLO Ltd.**

By: Shenkman Capital Management, Inc., as Collateral Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Buffalo High Yield Fund**

by:

/s/ Alicia Marthaler

Name: Alicia Marthaler

Title: Attorney-in-Fact

For any institution requiring a second signature line:

by: N/A

Name:

Title:

**Name of Institution:**

**Cadbury Mondelez Pension Trust Limited**

By: Apollo TRF CM Management, LLC, its investment manager

By: Apollo Capital Management, L.P., its member

By: Apollo Capital Management GP, LLC, its general partner

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**California Public Employees' Retirement System**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CALIFORNIA STATE TEACHERS' RETIREMENT SYSTEM**

By: Credit Suisse Asset Management, LLC, as investment manager

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Canoe Floating Rate Income Fund**

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Canyon Capital CLO 2012-1, Ltd.**

BY: Canyon Capital Advisors LLC, its Collateral Manager

by:

/s/ Jonathan M. Kaplan

Name: Jonathan M. Kaplan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Canyon Capital CLO 2014-2, Ltd.**

BY: Canyon Capital Advisors LLC, its Collateral Manager

by:

/s/ Jonathan M. Kaplan

Name: Jonathan M. Kaplan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Canyon Capital CLO 2015-1, Ltd.**

By: Canyon Capital Advisors LLC, its Collateral Manager

by:

/s/ Jonathan M. Kaplan

Name: Jonathan M. Kaplan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Canyon CLO 2016-1, Ltd.**

By: Canyon CLO Advisors LLC, its Collateral Manager

by:

/s/ Jonathan M. Kaplan

Name: Jonathan M. Kaplan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Canyon CLO 2017-1, Ltd.**

By: Canyon CLO Advisors LLC, its Collateral Manager

by:

/s/ Jonathan M. Kaplan

Name: Jonathan M. Kaplan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CARE Super**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2012-3, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2012-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2013-1, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2013-2, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2013-3, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Carlyle Global Market Strategies CLO 2013-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2014-1, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2014-2, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2014-3, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2014-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2014-5, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2015-1, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2015-2, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Carlyle Global Market Strategies CLO 2015-3, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2015-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2015-5, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2016-1, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2016-2 Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle Global Market Strategies CLO 2016-3, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:**

**Carlyle US CLO 2016-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle US CLO 2017-1, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Carlyle US CLO 2017-2, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle US CLO 2017-3 Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Carlyle US CLO 2017-4, Ltd.**

by:

/s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catamaran CLO 2014-1 Ltd.**

By: Trimaran Advisors, L.L.C.

by:

/s/ Daniel Gilligan

Name: Daniel Gilligan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catamaran CLO 2014-2 Ltd.**

by:

/s/ Daniel Gilligan

Name: Daniel Gilligan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catamaran CLO 2015-1 Ltd.**

by:

/s/ Daniel Gilligan

Name: Daniel Gilligan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catamaran CLO 2016-1 LTD.**

by:

/s/ Daniel Gilligan

Name: Daniel Gilligan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catholic Health Initiatives Master Trust**

By: Bain Capital Credit, LP, as Investment Adviser and Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Catlin Underwriting Agencies Limited for and on behalf of Syndicate 2003**

By: Bain Capital Credit, LP, as Investment Manager

by:

/s/ Bain Capital

Name: Bain Capital

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Catskill Park CLO, Ltd.**

By: GSO / Blackstone Debt Funds Management LLC as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND RESTATED  
CREDIT AGREEMENT

**Name of Institution: CBAM 2017-1 Ltd.**

by /s/ John H. Garrett  
Name: John H. Garrett  
Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_  
Name:  
Title:

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CREDIT AGREEMENT

**Name of Institution: CBAM 2017-2 Ltd.**

by /s/ John H. Garrett  
Name: John H. Garrett  
Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_  
Name:  
Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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CREDIT AGREEMENT

**Name of Institution: CBAM 2017-3 Ltd.**

by /s/ John H. Garrett  
Name: John H. Garrett  
Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_  
Name:  
Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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CREDIT AGREEMENT

**Name of Institution: CBAM 2017-4 Ltd.**

by /s/ John H. Garrett  
Name: John H. Garrett  
Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_  
Name:  
Title:

**Name of Institution:**

**Cedar Funding II CLO Ltd**

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Cedar Funding IV CLO, Ltd.**

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Cedar Funding V CLO, Ltd.**

By: AEGON USA Investment Management, LLC, as its Portfolio Manager

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Cedar Funding VI CLO, Ltd.**

By: AEGON USA Investment Management, LLC, as its Portfolio Manager

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Cedar Funding VII CLO, Ltd.**

By: AEGON USA Investment Management, LLC, as its Portfolio Manager

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Cedar Funding VIII CLO, Ltd.**

By: AEGON USA Investment Management, LLC, as its Portfolio Manager

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CHI Operating Investment Program L.P.**

By: Bain Capital Credit, LP, as Investment Adviser and Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CHUBB EUROPEAN GROUP LIMITED**

BY: BlackRock Financial Management, Inc., its Sub-Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2013-I, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2013-II, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**CIFC Funding 2013-III, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2013-IV, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2014-II, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2014, Ltd.**

By: CIFC Asset Management LLC, its Portfolio Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2014-III, Ltd.**

BY: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2014-IV, Ltd**

BY: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2014-V, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2015-I, Ltd.**

BY: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**CIFC Funding 2015-II, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2015-III, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2015-IV, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2015-V, Ltd**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2016-I, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2017-I, Ltd**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2017-II, Ltd.**

By: CIFC CLO Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2017-III, Ltd.**

By: CIFC Asset Management LLC, its Collateral Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:**

**CIFC Funding 2017-IV, Ltd.**

By: CIFC CLO Management LLC, its Collateral Manager, by and on behalf of each of its series, Series M-1, Series O-1 and Series R-1

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Funding 2017-V, Ltd.**

By: CIFC CLO MANAGEMENT II LLC, as Collateral Manager  
By and on behalf of each of its series, SERIES M-1, SERIES O-1, and SERIES R-1

by:

/s/ Elizabeth Chow

\_\_\_\_\_  
Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Interim Funding 14, Ltd.**

By: CIFC CLO MANAGEMENT II LLC, as Collateral Manager  
By and on behalf of each of its series, SERIES M-1, SERIES O-1, and SERIES R-1

by:

/s/ Elizabeth Chow

\_\_\_\_\_  
Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CIFC Senior Secured Corporate Loan Master Fund Ltd.**

By: CIFC Asset Management LLC, its Adviser

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Citi Loan Funding CARB CB LLC**

By: Citibank N.A.,

by:

/s/ Lauri Pool

Name: Lauri Pool

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**TICP CLO VIII, Ltd**

By: TICP CLO VIII Management, LLC  
Its Collateral Manager

by:

/s/ Daniel Wanek

\_\_\_\_\_  
Name: Daniel Wanek

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Citi Loan Funding OC 33 LLC,**

By: CITIBANK, N.A.,

by:

/s/ Cynthia Gonzalvo

Name: Cynthia Gonzalvo

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Citi Loan Funding OCP 2017-14 LLC**

By: CITIBANK, N.A.,

by:

/s/ Cynthia Gonzalvo

Name: Cynthia Gonzalvo

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Citi Loan Funding OZ19 LLC**

By: Citibank N.A.

by:

/s/ Lauri Pool

Name: Lauri Pool

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: CITIBANK, N.A.**

by:

/s/ Joelle Gavlick

Name: DocuSigned by: 240CDA98C9F64D#

Title:

Joelle Gavlick - Attorney-In-Fact

**Name of Institution:**

**City National Rochdale Fixed Income Opportunities Fund**  
By: Seix Investment Advisors LLC, as Subadviser

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**City of New York Group Trust**

BY: Voya Investment Management Co. LLC as its investment manager

by:

/s/ Jim Essert

\_\_\_\_\_  
Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**City of New York Group Trust**

BY: The Comptroller of the City of New York  
By: Guggenheim Partners Investment Management,  
LLC as Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh  
Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:  
Title:

**Name of Institution:**

**CLC Leveraged Loan Trust**

By: Challenger Life Nominees PTY Limited as Trustee  
By: Guggenheim Partners Investment Management,  
LLC as Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh  
Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:  
Title:

**Name of Institution:**

**Community Insurance Company**

By: Bain Capital Credit, LP, as Investment Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Consumer Program Administrators, Inc**

By: BlackRock Financial Management, Inc. its  
Investment Manager

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**COPPERHILL LOAN FUND I, LLC**

BY: Credit Suisse Asset Management, LLC, as investment manager

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: Credit Agricole Corporate and Investment Bank**

by:

/s/ Gordon Yip

Name: Gordon Yip

Title: Director

by:

/s/ Brad Matthews

Name: Brad Matthews

Title: Director

**Name of Institution:**

**Credit Partners XV Funding, LLC**

By: Oak Hill Advisors, L.P.  
as Portfolio Manager

by:

/s/ August, Glenn

\_\_\_\_\_  
Name: August, Glenn

Title: M

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution: CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH**

by:

/s/ John Toronto

Name: John Toronto

Title: Authorized Signatory

by: /s/ Warren Van Heyst

Name: Warren Van Heyst

Title: Authorized Signatory

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**Name of Institution: Credit Suisse Loan Funding LLC**

by:

/s/ Robert Healey

Name: Robert Healey

Title: Authorized Signatory

**Name of Institution:**

**CREDIT SUISSE NOVA (LUX) acting on behalf of  
Credit Suisse Nova (Lux) Fixed Maturity US Loan Fund  
2021**

By: Credit Suisse Asset Management, LLC acting in its  
capacity as Investment Manager to Credit Suisse Fund  
Management S.A., management company for Credit  
Suisse Nova (Lux)

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**CREDIT SUISSE NOVA (LUX)**

By: Credit Suisse Asset Management, LLC or Credit  
Suisse Asset Management Limited, each as Co-  
Investment Adviser to Credit Suisse Fund Management  
S.A., management company for Credit Suisse Nova  
(Lux)

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Crestline Denali CLO XVI, LTD.**

By: Crestline Denali Capital, L.P., collateral manager

by:

/s/ John Thacker

Name: John Thacker

Title: Chief Credit Officer

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**CSAA Insurance Exchange**

By: Octagon Credit Investors, LLC, as sub-advisor

by:

/s/ Kimberly Wang Lem

Name: Kimberly Wang Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dakota Truck Underwriters**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DaVinci Reinsurance Ltd.**

By: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Desjardins Global Tactical Bond Fund (Fonds Desjardins  
Obligations mondiales tactique)**

By: Pacific Investment Management Company LLC,  
as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Deutsche Bank (Cayman) Limited  
(solely in its capacity as trustee of The Canary  
Star Trust and its Sub-Trusts) as the Trustee  
By: Deutsche Bank AG New York Branch**

by:

/s/ Andrew MacDonald

Name: Andrew MacDonald

Title: Assistant Vice President

For any institution requiring a second signature line:

by: /s/ Howard Lee

Name: Howard Lee

Title: Assistant Vice President

**Name of Institution: Deutsche Bank AG New York Branch**

by:

/s/ Andrew MacDonald

Name: Andrew MacDonald

Title: Assistant Vice President

For any institution requiring a second signature line:

by: /s/ Hoi Yeun Chin

Name: Hoi Yeun Chin

Title: Assistant Vice President

**Name of Institution:**

**Dewolf Park CLO, Ltd.**

By: GSO / Blackstone Debt Funds Management LLC  
as Collateral Manager

by:

/s/ Thomas Iannarone

\_\_\_\_\_  
Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dorchester Park CLO Designated Activity Company**

By: GSO / Blackstone Debt Funds Management LLC  
as Collateral Manager

by:

/s/ Thomas Iannarone

\_\_\_\_\_  
Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**DoubleLine Capital LP as Investment Advisor to:  
DoubleLine Core Fixed Income Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Investment Advisor to:  
DoubleLine Flexible Income Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Investment Advisor to:  
DoubleLine Floating Rate Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Investment Advisor to:  
DoubleLine Shiller Enhanced CAPE**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Doubletree CLO, Ltd.**

By: Voya Alternative Asset Management LLC,  
as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 43 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 45 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 47 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Dryden 49 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 50 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 54 Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 57 CLO, Ltd.**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 58 CLO, Ltd.**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden 60 CLO, Ltd.**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dryden XXVIII Senior Loan Fund**

By: PGIM, Inc., as Collateral Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Dunham Floating Rate Bond Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Eastspring Investments US Bank Loan Special Asset  
Mother Investment Trust [Loan Claim]**

By: PPM America, Inc., as Delegated Manager

by:

/s/ Chris Kappas

Name: Chris Kappas

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance CDO X PLC**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Floating Rate Portfolio**

BY: Boston Management and Research as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Floating-Rate Income Plus Fund**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Institutional Senior Loan Fund**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance International (Cayman Islands) Floating-  
Rate Income Portfolio**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Limited Duration Income Fund**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Loan Holding Limited**

BY: Eaton Vance Management  
as Investment Manager

by:

/s/ Michael Brotthof

Name: Michael Brotthof  
Title: Vice President

For any institution requiring a second signature line:

by:

Name:  
Title:



**Name of Institution:**

**Eaton Vance Floating-Rate Income Trust**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Short Duration Diversified Income Fund**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Senior Floating-Rate Trust**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance Senior Income Trust**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance US Loan Fund 2016 a Series Trust of Global  
Cayman Investment Trust**

By: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Eaton Vance VT Floating-Rate Income Fund**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ECP CLO 2014-6, LTD.**

BY: Silvermine Capital Management LLC  
As Portfolio Manager

by:

/s/ Richard Kurth

\_\_\_\_\_  
Name: Richard Kurth

Title: Principal

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ECP CLO 2015-7, Ltd.**

By: SILVERMINE CAPITAL MANAGEMENT, LLC  
Its Collateral Manager

by:

/s/ Richard Kurth

\_\_\_\_\_  
Name: Richard Kurth

Title: Principal

For any institution requiring a second signature line:

by:

Name:

Title:



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CREDIT AGREEMENT

**Name of Institution:** ORIX Corporate Capital Inc.

by

/s/ David Martin

Name: David Martin

Title: Authorized Signatory

For any institution requiring a second signature line:

by NA

Name:

Title:

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CREDIT AGREEMENT

**Name of Institution:** HMS-ORIX Holdings I LLC

by

/s/ David Martin

Name: David Martin

Title: Authorized Signatory

For any institution requiring a second signature line:

by NA

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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CREDIT AGREEMENT

**Name of Institution:** Mariner CLO 2015-1, LLC

by

/s/ David Martin

Name: David Martin

Title: Authorized Signatory

For any institution requiring a second signature line:

by NA

Name:

Title:

**Name of Institution:**

**Employees' Retirement System of the State of Rhode  
Island**

By: Pacific Investment Management Company LLC, as  
its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Endurance Investment Holdings Ltd.**

By: Guggenheim Partners Investment Management, LLC as Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ERIE INSURANCE EXCHANGE**

By: Credit Suisse Asset Management, LLC., as its investment manager for Erie Indemnity Company, as Attorney-in-Fact for Erie Insurance Exchange

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**FCCI Insurance Company**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
AXA GERMANY LEVERAGED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by: \_\_\_\_\_

Name:

Title:



**Name of Institution:**  
**AXA IM PARIS SA for and on behalf of**  
**FCP ACM US LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.  
Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:  
Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
AXA CHINA REGION LEVERAGED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by: \_\_\_\_\_

Name:

Title:

**Name of Institution:**  
**AXA IM PARIS SA for and on behalf of**  
**AXA IM LOAN LIMITED**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.  
Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:  
Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
AXA IRELAND LEVERAGED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by: \_\_\_\_\_

Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
AXA UK LEVERAGED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.  
Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by: \_\_\_\_\_

Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
FCP COLUMBUS DIVERSIFIED LEVERAGED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
FCP COLUMBUS GLOBAL DEBT FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by: \_\_\_\_\_

Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
MATIGNON DERIVATIVES LOANS UNLIMITED COMPANY**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:



**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
MATIGNON LEVERAGED LOANS LIMITED**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**  
**AXA IM PARIS SA for and on behalf of**  
**MATIGNON LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.  
Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:  
Title:

**Name of Institution:**  
**AXA IM PARIS SA for and on behalf of**  
**MATIGNON LOANS IARD FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**

**AXA IM PARIS SA for and on behalf of  
FCP SOGECAP DIVERSIFIED LOANS FUND**

by:

/s/ Xavier Boucher

Name: AXA Investment Managers Paris S.A.

Xavier Boucher

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**

**FedEx Corporation Employees' Pension Trust**

BY: BRIGADE CAPITAL MANAGEMENT, LP As Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: Fifth Third Bank**

by

/s/ James M. Sumoski

Name: James M. Sumoski

Title: Vice President

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**

**First American Title Insurance Company**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**First Dakota Indemnity Company**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:** First Investors Floating Rate Fund

by

/s/ Jolee Taylor

Name: Jolee Taylor

Title: Senior Accountant

For any institution requiring a second signature line:

by /s/ Lisa Leone

Name: Lisa Leone

Title: Senior Acct

**Name of Institution:**

**FirstEnergy System Master Retirement Trust**

By: Bain Capital Credit, LP, as Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Fixed Income Opportunities Nero, LLC**

By: BlackRock Financial Management Inc., Its Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Flagship CLO VIII Ltd**

BY: Deutsche Investment Management Americas Inc., As Interim Investment Manager

by:

/s/ Mark Rigazio

Name: Mark Rigazio

Title: Portfolio Manager

For any institution requiring a second signature line:

by: /s/ Thomas V. Kirby

Name: Thomas V. Kirby

Title: Director, Portfolio Manager

**Name of Institution:**

**TCI-Flatiron 2017-1 Funding LLC  
By: TCI Capital Management LLC,  
its Interim Asset Manager**

**By: NYL Investors LLC,  
its Attorney-In-Fact**

by

/s/ F. David Melka

Name: F. David Melka

Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:**

**Florida Power & Light Company**

By: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**FRANKLIN ALTERNATIVE STRATEGIES FUNDS - FRANKLIN K2 ALTERNATIVE STRATEGIES FUND**

BY: Loomis, Sayles & Company, L.P., Its Investment Manager,  
Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Future Directions Credit Opportunities Fund**

BY: BRIGADE CAPITAL MANAGEMENT, LP As Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**FUTURE FUND BOARD OF GUARDIANS**

By: Ares Enhanced Loan Investment Strategy Advisor IV, L.P., its investment manager

By: Ares Enhanced Loan Investment Strategy Advisor IV GP, LLC, its general partner

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XIV CLO, Ltd.**

BY: PineBridge Investments LLC, as Collateral Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XIX CLO, Ltd.**

BY: PineBridge Investments LLC, as Collateral Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XVII CLO, Ltd.**

BY: PineBridge Investments LLC, as Collateral Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XVIII CLO, Ltd.**

BY: PineBridge Investments LLC, as Collateral Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XX CLO, Ltd.**

BY: PineBridge Investments LLC, as Collateral Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XXI CLO, Ltd.**

By: PineBridge Investment LLC  
Its Collateral Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Galaxy XXIII CLO, Ltd.**

By: PineBridge Investment LLC Its Collateral Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Galaxy XXIV CLO, Ltd**

By: PineBridge Galaxy LLC as Collateral Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Garrison Funding 2017-1 Ltd.**

By: Garrison Funding 2017-1 Manager LLC as Collateral Manager

by:

/s/ Adam Kaiser

Name: Adam Kaiser

Title: Attorney-In-Fact

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Germania Farm Mutual Insurance Association**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GILBERT PARK CLO, LTD.**

By: GSO / Blackstone Debt Funds Management LLC as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GLM MS WH, Ltd.**

By: GoldenTree Loan Management LP

by:

/s/ Karen Weber

Name: Karen Weber

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GoldenTree Loan Opportunities IX, Limited**

By: GoldenTree Asset Management, LP

by:

/s/ Karen Weber

Name: Karen Weber

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GOLDENTREE LOAN OPPORTUNITIES X, LIMITED**

By: GoldenTree Asset Management, LP

by:

/s/ Karen Weber

Name: Karen Weber

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GOLDENTREE LOAN OPPORTUNITIES XI, LIMITED**

By: GoldenTree Asset Management, LP

by:

/s/ Karen Weber

Name: Karen Weber

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

Goldman Sachs Bank USA

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

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**Name of Institution:**

New York Marine and General Insurance Company

By Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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**Name of Institution:**

LVIP Goldman Sachs Income Builder Fund

by Goldman Sachs Asset Management, L.P. solely as its investment sub-adviser and not as principal

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

\_\_\_\_\_  
Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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CREDIT AGREEMENT

**Name of Institution:**

Goldman Sachs Funds SICAV for the benefit of Goldman Sachs Global Income Builder Portfolio  
by Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal”

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by

\_\_\_\_\_

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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**Name of Institution:**

Goldman Sachs Lux Investment Funds for the benefit of Goldman Sachs High Yield Floating Rate Portfolio (Lux)  
by Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal”

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
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CREDIT AGREEMENT

**Name of Institution:**

Goldman Sachs Trust on behalf of the Goldman Sachs High Yield Floating Rate Fund  
By: Goldman Sachs Asset Management, L.P. as investment advisor and not as principal”

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND RESTATED  
CREDIT AGREEMENT

**Name of Institution:**

Goldman Sachs U.S. Income Builder Trust

By: Goldman Sachs Asset Management, L.P. , not in its individual capacity, but solely as its investment advisor

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND RESTATED  
CREDIT AGREEMENT

**Name of Institution:**

ABS Loans 2007 Limited, a subsidiary of Goldman Sachs Institutional Funds II PLC

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:



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CREDIT AGREEMENT

**Name of Institution:**

KRH US Loan Master Fund 2017-5 a series trust of Global Cayman Investment Trust  
By Goldman Sachs Asset Management, L.P. solely as its investment manager and not as principal

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND RESTATED  
CREDIT AGREEMENT

**Name of Institution:**

Goldman Sachs Trust - Goldman Sachs Income Builder Fund

By: Goldman Sachs Asset Management, L.P. solely as its investment advisor. and not as principal”

by

/s/ Chris Lam

Name: Chris Lam

Title: Authorized Signatory

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:** GOLUB CAPITAL PARTNERS CLO 19(B)-R, LTD., as a Lender

By: GC Advisors LLC, as agent

By: /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Portfolio Manager

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FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
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RESTATED CREDIT AGREEMENT

**Name of Institution:** GOLUB CAPITAL PARTNERS CLO 35(B), LTD., as a Lender

By: GC Advisors LLC, as its Collateral Manager

By: /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Portfolio Manager

**Name of Institution:**

**Government Employees Superannuation Board**

By: Bain Capital Credit, LP, as Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Greywolf CLO VI, Ltd**

By: Greywolf Loan Management LP, as Portfolio Manager

by:

/s/ William Troy

Name: William Troy

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Griffin Institutional Access Credit Fund**

By: BCSF Advisors, LP, as Sub-Adviser

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**GSO Loan Trust 2010**

BY: GSO Capital Advisors LLC, As its Investment Advisor

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**GSO LOAN TRUST 2011**

BY: GSO Capital Advisors LLC, As its Investment Advisor

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Guggenheim Funds Trust - Guggenheim Total Return Bond Fund**

By: Security Investors, LLC as Investment Adviser

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Guggenheim U.S. Loan Fund**

By: Guggenheim Partners Investment Management, LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Guggenheim U.S. Loan Fund II**

By: Guggenheim Partners Investment Management, LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Dynamic Credit Fund II LP**

BY: Halcyon Loan Investment Management LLC, its Investment Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Loan Advisors Funding 2014-3 Ltd**

BY: Halcyon Loan Advisors 2014-3 LLC as Collateral Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Loan Advisors Funding 2015-1 Ltd**

By: Halcyon Loan Advisors 2015-1 LLC as Collateral Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Loan Advisors Funding 2015-2 Ltd.**

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Halcyon Loan Advisors Funding 2015-3 Ltd**

By: Halcyon Loan Advisors 2015-3 LLC as Collateral Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Loan Advisors Funding 2017-2 Ltd**

By: Halcyon Loan Advisors A LLC as Collateral Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Loan Advisors Funding 2017-1 Ltd**

By: Halcyon Loan Advisors A LLC as Collateral Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Halcyon Senior Loan Fund I Master LP**

BY: Halcyon Loan Investment Management LLC as Investment Manager

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Hastings Mutual Insurance Company**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Health Employees Superannuation Trust Australia**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Health Net Community Solutions, Inc.**

BY: Deutsche Investment Management Americas Inc. As Manager

by:

/s/ Mark Rigazio

Name: Mark Rigazio

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

/s/ Thomas V. Kirby

Name: Thomas V. Kirby

Title: Director, Portfolio Manager

**Name of Institution:**

**Highbridge Loan Management 5-2015, Ltd.**

By: HPS Investment Partners, LLC As the Collateral Manager

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Highland Funds I, on behalf of its Series, Highland/ iBoxx Senior Loan ETF**

by:

/s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Honeywell International Inc Master Retirement Trust**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Houston Casualty Company**

BY: BlackRock Investment Management, LLC, its Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**HPK HY BONDS UND LOANS**

BY: INTERNATIONALE KAPITALANLAGEGESELLSCHAFT mbH acting for account of HPK HY BONDS UND LOANS

Represented by: Oak Hill Advisors, L.P. As Fund Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**HPS Loan Management 11-2017, Ltd.**

By: HPS Investment Partners, LLC As the Collateral Manager

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**HPS Loan Management 3-2014, Ltd.**

By: HPS Investment Partners CLO (US), LLC, as investment manager

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**HRSIH Debt II LLC**

By: Apollo Credit Management (Senior Loans), LLC, its investment manager

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**HYFI LOAN FUND**

By: Credit Suisse Asset Management, LLC, as investment manager

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**IAM National Pension Fund**

By: Guggenheim Partners Investment Management, LLC as Adviser

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ICG US CLO 2017-2, Ltd.**

by:

/s/ Seth Katzenstein

Name: Seth Katzenstein

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**INDACO SICAV-SIF - INDACO CIFC US LOANS**

By: CIFC Asset Management LLC, its Sub-Investment Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Indaco SICAV-SIF Senior Secured Corporate Loan Fund**

By: CIFIC Asset Management LLC, its Sub-Investment Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Indiana University**

By: Loomis, Sayles & Company, L.P., Its Investment Manager

By: Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Innovation Trust 2009**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Innovation Trust 2011**

BY: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**International Monetary Fund Retired Staff Benefits Investment Account**

by:

/s/ Ron Polye

Name: Ron Polye

Title: Authorized Officer

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**International Monetary Fund Staff Retirement Plan**

by:

/s/ Ron Polye

Name: Ron Polye

Title: Authorized Officer

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**iShares Advantaged Short Duration High Income ETF (CAD-Hedged)**

By: BlackRock Institutional Trust Company, N.A.  
(BTC) in its capacity as investment sub-advisor of the fund

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**ISL Loan Trust II**

BY: Voya Investment Management Co. LLC, as its investment advisor

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Jamestown CLO IX Ltd.**

By: 3i Debt Management U.S. LLC, as Portfolio Manager

by:

/s/ David Nadeau

Name: David Nadeau

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Jamestown CLO X Ltd.**

By: 3i Debt Management U.S. LLC, as Portfolio Manager

by:

/s/ Nadeau, David

Name: Nadeau, David

Title: Partner

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Jay Park CLO Ltd.**

By: Virtus Partners LLC as Collateral Administrator

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

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AMENDED AND RESTATED CREDIT AGREEMENT

**Name of Institution: JEFFERIES LEVERAGED CREDIT PRODUCTS, LLC**

by:

/s/ William P. McLoughlin

Name: William P. McLoughlin

Title: Senior Vice President

Jefferies Leveraged Credit Products, LLC

**Name of Institution:**

**Apex Credit CLO 2017-II Ltd.**

By: Apex Credit Partners LLC

by:

/s/ Andrew Stern

Name: Andrew Stern

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**JFIN US Investment Grade & Leveraged Loan Buy and Maintain Fund (FX and IR Hedged)**

By: BlackRock Financial Management, Inc., as Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: JMP CREDIT ADVISORS CLO V LID.**

By: JMP Credit Advisors LLC, As Attorney-in-Fact

by:

/s/ Christopher R Bellamy

Name: Christopher R Bellamy

Title: Director

**Name of Institution:**

**JNL/BlackRock Global Long Short Credit Fund**

By: BlackRock Financial Management, Inc., its Sub- Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Sub-Advisor to:  
JNL/DoubleLine Shiller Enhanced CAPE Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**JNL/PPM America Floating Rate Income Fund, a series of the JNL Series Trust**  
By: PPM America, Inc., as sub-adviser

by:

/s/ Chris Kappas

Name: Chris Kappas

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

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CREDIT AGREEMENT

**Name of Institution: JPMORGAN CHASE BANK, N.A.**

by

/s/ Brendan Korb

Name: Brendan Korb

Title: Vice President

**Name of Institution:**

**JPMBI re Blackrock Bankloan Fund**

BY: BlackRock Financial Management Inc., as Sub-Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**J. Safra Sarasin Fund Management (Luxembourg) S.A. acting as management company of the JSS Senior Loan Fund, a  
sub-fund of JSS Special Investments FCP (SIF)**

By: CIFIC Asset Management LLC, its Sub-Investment Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**KAYNE LIQUID CREDIT FUND, LP**

by:

/s/ John Eanes

Name: John Eanes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Kentucky Retirement Systems (Shenkman - Pension Account)**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Kentucky Retirement Systems (Shenkman - Insurance Fund Account)**  
by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Kentucky Teachers' Retirement System Insurance Trust Fund**  
by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Kitty Hawk CLO 2015-1 LLC**

By: Guggenheim Partners Investment Management, LLC, as Collateral Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Lake Loan Funding LLC**

By: Citibank, N.A.,

by:

/s/ Lauri Pool

Name: Lauri Pool

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XIII Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XIX Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**LCM XV Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XVI Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XVIII Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XX Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XXI Limited Partnership**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XXII Ltd.**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XXIII Ltd.**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LCM XXIV Ltd.**

By: LCM Asset Management LLC As Collateral Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**LCM XXV Funding LLC**

By: LCM Asset Management LLC As Interim Asset Manager

by:

/s/ Alexander B. Kenna

Name: Alexander B. Kenna

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Leveraged Loan (JPY hedged) fund a Series Trust of  
Cayman World Invest Trust**

By: PGIM, Inc., as Investment Manager

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Litman Gregory Masters Alternative Strategies Fund**

By: Loomis, Sayles & Company, L.P., As Sub-advisor for Litman Gregory Fund Advisors, LLC

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Local 338 Retirement Fund**

BY: CIFIC Asset Management LLC, its Investment Manager

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Longfellow Place CLO, Ltd.**

by:

/s/ Scott D'Orsi

Name: Scott D'Orsi

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Loomis Sayles Global Strategic Alpha Fund**

By: Loomis, Sayles & Company, L.P., its Investment Manager

By: Loomis, Sayles & Company, Incorporated, its General Partner

by:

/s/ Mary McCarthy

\_\_\_\_\_  
Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LOOMIS SAYLES STRATEGIC ALPHA BOND FUND,  
a Sub-Fund of Natixis International Funds (Lux) I**  
By: Loomis, Sayles & Company, L.P., Its Investment Manager  
By: Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Loomis Sayles Strategic Alpha Fund**

By: Loomis, Sayles & Company, L.P., Its Investment Manager

By: Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Lord Abbett Floating Rate Fund Ltd.**

By: Lord, Abbett & Co. LLC, as Investment Manager

by:

/s/ Jeffrey Lapin

Name: Jeffrey Lapin

Title: Portfolio Manager, Taxable Fixed Income

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Lord Abbett Investment Trust - Lord Abbett Floating Rate Fund**  
By: Lord Abbett & Co LLC, As Investment Manager

by:

/s/ Jeffrey Lapin

Name: Jeffrey Lapin

Title: Portfolio Manager, Taxable Fixed Income

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Los Angeles County Employees Retirement Association**

BY: BRIGADE CAPITAL MANAGEMENT, LP As Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**LUCUMA FUNDING ULC**

by:

/s/ Madonna Sequeira

Name: Madonna Sequeira

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite IX, Limited**

BY: BlackRock Financial Management, Inc., its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite VII, Limited**

BY: BlackRock Financial Management, Inc., Its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite VIII, Limited**

BY: BlackRock Financial Management, Inc., Its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite XI, Limited**

BY: BlackRock Financial Management, Inc., as Portfolio Manager

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Magnetite XII, LTD.**

BY: BlackRock Financial Management, Inc., its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite XIV, Limited**

By: BlackRock Financial Management, Inc., its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MAGNETITE XIX, LIMITED**

By: BlackRock Financial Management, Inc. as Asset Manager

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite XV, Limited**

By: BlackRock Financial Management, Inc., as Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

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RESTATED CREDIT AGREEMENT

**Name of Institution:**

**Magnetite XVI, Limited**

By: BlackRock Financial Management, Inc., as Portfolio Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Magnetite XVII, Limited**

By: BLACKROCK FINANCIAL MANAGEMENT, INC., as Interim Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite XVIII, Limited**

By: BlackRock Financial Management, Inc., its Collateral Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Magnetite XX, Limited**

By: BlackRock Financial Management, Inc., as Portfolio Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**MAM CORPORATE LOAN FUND**

By: MARATHON ASSET MANAGEMENT, L.P. Its Investment Manager

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MARATHON CLO IX LTD.**

By: MARATHON ASSET MANAGEMENT, L.P. as Portfolio Manager

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MARATHON CLO VII LTD.**

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Marathon CLO VIII Ltd.**

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MARATHON CLO X LTD.**

By: MARATHON ASSET MANAGEMENT LP as Portfolio Manager

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Marble Point CLO X Ltd.**

By: MP CLO Management LLC, its Manager

by:

/s/ Thomas Shandell

Name: Thomas Shandell

Title: CEO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MATTERHORN LOAN TRUST 2015**

By: Credit Suisse Asset Management, LLC as investment manager for BNY Mellon Trust Company (Cayman) Ltd., the trustee for Matterhorn Loan Trust 2015

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Medtronic Holding Switzerland GMBH**

By: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Mercer Field II CLO Ltd.**

By: Guggenheim Partners Investment Management, LLC as Collateral Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution: Meridian Bank**

by

/s/ James D. Nelsen

Name: James D. Nelsen

Title: SCO

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**Name of Institution: Metropolitan Life Insurance Company, as a Term Loan G holder,**

by

/s/ Shane O'Driscoll

Name: Shane O'Driscoll

Title: Director

**Name of Institution:**

**Morgan Stanley Bank, N.A.**

by:

/s/ John Ragusa

Name: John Ragusa

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution: MORGAN STANLEY SENIOR FUNDING, INC.**

by

/s/ Emanuel Ma

Name: Emanuel Ma

Title: Vice President

**Name of Institution:**

**Mountain View CLO 2014-1 Ltd.**

By: Seix Investment Advisors LLC, as Collateral Manager

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Mountain View CLO 2016-1 Ltd.**

By: Seix Investment Advisors LLC, as Collateral Manager

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Mountain View CLO 2017-1 Ltd.**

By: Seix Investment Advisors LLC, as Collateral Manager

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**MP CLO IV, Ltd.**

By: MP CLO Management LLC, its Manager

by:

/s/ Thomas Shandell

Name: Thomas Shandell

Title: CEO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**MPI (London) Limited**

By: Apollo TRF MP Management, LLC, its sub-advisor  
By: Apollo Capital Management, L.P., its sole member  
By: Apollo Capital Management GP, LLC, its general partner

by:

/s/ Joseph Glatt

Name: Joseph Glatt  
Title: Vice President

For any institution requiring a second signature line:

by:

Name:  
Title:

**Name of Institution:**

**Multi Sector Value Bond**

By: Amundi Pioneer Institutional Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**National Electrical Benefit Fund**

By: Lord Abbett & Co LLC, As Investment Manager

by:

/s/ Jeffrey Lapin

Name: Jeffrey Lapin

Title: Portfolio Manager, Taxable Fixed Income

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NC GARNET FUND, L.P.**

By: NC Garnet Fund (GenPar), LLC, its general partner  
By: BlackRock Financial Management, Inc. its manager

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND RESTATED  
CREDIT AGREEMENT

**Name of Institution: Lockwood Grove CLO, Ltd.**

**By: Tall Tree Investment Management, LLC As Collateral Manager**

by

/s/ Douglas L. Winchell

Name: Douglas L. Winchell

Title: Officer

For any institution requiring a second signature line:

by N/A

Name:

Title:

**Name of Institution:**

**Neuberger Berman CLO XV, Ltd.**

BY: Neuberger Berman Investment Advisers LLC as collateral manager

by:

/s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NEUBERGER BERMAN LOAN ADVISERS CLO 25, LTD.**

By: Neuberger Berman Investment Advisers LLC, as Collateral Manager

By: Neuberger Berman Investment Advisers LLC, as Sub-Advisor

by:

/s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Neuberger Berman Loan Advisers CLO 26, Ltd.**

By: Neuberger Berman Investment Advisers LLC, as Collateral Manager

By: Neuberger Berman Investment Advisers LLC, as Sub-Advisor

by:

/s/ Colin Donlan

\_\_\_\_\_  
Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NEW MEXICO STATE INVESTMENT COUNCIL**

BY: Loomis, Sayles & Company, L.P., Its Investment Adviser,  
Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NEW MEXICO STATE INVESTMENT COUNCIL**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Newfleet CLO 2016-1, Ltd.**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Newfleet Multi-Sector Income ETF**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NF Loan Trust 2016**

Neuberger Berman Investment Advisers LLC As Investment Manager

by:

/s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NHIT: Strategic Alpha Trust**

By: Loomis Sayles Trust Company, LLC, its Trustee

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NN (L) Flex - Senior Loans**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**NN (L) Flex - Senior Loans Select**

Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Nomura Multi Managers Fund - Global Bond**

By: Guggenheim Partners Investment Management, LLC as Investment Sub-Adviser

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Northwell Health, Inc.**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NZCG Funding 2 Limited**

By: Guggenheim Partners Investment Management, LLC as Collateral Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**NZCG Funding Ltd**

BY: Guggenheim Partners Investment Management, LLC as Collateral Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OAKTREE EIF II SERIES A2, LTD.**

By: Oaktree Capital Management, L.P.  
its: Collateral Manager

by:

/s/ Peter Deschner

Name: Peter Deschner

Title: Senior Vice President

For any institution requiring a second signature line:

by:

/s/ Armen Panossian

Name: Armen Panossian

Title: Managing Director

**Name of Institution:**

**Oaktree EIF III Series II, Ltd.**

By: Oaktree Capital Management, L.P.  
its: Collateral Manager

by:

/s/ Peter Deschner

Name: Peter Deschner

Title: Senior Vice President

For any institution requiring a second signature line:

by:

/s/ Armen Panossian

Name: Armen Panossian

Title: Managing Director

**Name of Institution:**

**OCA OHA Credit Fund LLC**

By: Oak Hill Advisors, L.P. as Investment Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Ocean Trails CLO V**

By: Five Arrows Managers North America LLC as Asset Manager

by:

/s/ Todd Solomon

Name: Todd Solomon

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OCP CLO 2017-13, Ltd.**

By: Onex Credit Partners, LLC, as Portfolio Manager

by:

/s/ Paul Travers

Name: Paul Travers

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OCP Partners, LP**

By: Onex Credit Partners, LLC, its investment manager

by:

/s/ Paul Travers

Name: Paul Travers

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 28, Ltd.**

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 2017 Ltd.**

By: Octagon Credit Investors, LLC as Asset Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 2018 Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 25, Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 27, Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Octagon Investment Partners 29, Ltd.**

By: Octagon Credit Investors, LLC as Investment Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 30, Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 31, Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 32, LTD.**

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners 33, LTD.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners XIV, Ltd.**

BY: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners XV, Ltd.**

BY: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Investment Partners XXII, Ltd.**

By: Octagon Credit Investors, LLC as Collateral Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Octagon Loan Trust 2010**

BY: Octagon Credit Investors, LLC, as Investment Manager on behalf of The Bank of New York Trust Company (Cayman) Limited, as Trustee of Octagon Loan Trust 2010

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Paul Credit Fund Series I, Ltd.**

BY: Octagon Credit Investors, LLC as Portfolio Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Octagon Senior Secured Credit Master Fund Ltd.**

BY: Octagon Credit Investors, LLC as Investment Manager

by:

/s/ Kimberly Wong Lem

Name: Kimberly Wong Lem

Title: Director of Portfolio Administration

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA CREDIT PARTNERS IX, LTD.**

By: Oak Hill Advisors, L.P. as Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA CREDIT PARTNERS VII, LTD.**

BY: Oak Hill Advisors, L.P., as Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA CREDIT PARTNERS X, LTD.**

By: Oak Hill Advisors, L.P. as Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA Credit Partners XI, LTD.**

By: Oak Hill Advisors, L.P. As Warehouse Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
FACILITY AGREEMENT DATED AS OF THE DATE FIRST WRITTEN  
ABOVE, TO THE TRANSDIGM INC. SECOND AMENDED AND  
RESTATED CREDIT AGREEMENT

**Name of Institution:**

**OHA Credit Partners XIV, LTD.**

By: Oak Hill Advisors, L.P. As Warehouse Portfolio Manager

by:

/s/ Glenn August

Name: August, Glenn

Title: M

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**OHA CUSTOM MULTI-SECTOR CREDIT MASTER FUND, L.P.**

By: OHA Custom Multi-Sector Credit Fund GenPar, LLC, its general partner

By: OHA Global GenPar, LLC, its general partner

By: OHA Global MGP, LLC, its managing partner

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA Diversified Credit Strategies Fund (Parallel), L.P.**

By: OHA Diversified Credit Strategies GenPar, LLC, Its General Partner

By: OHA Global GenPar, LLC Its Managing member

By: OHA Global MGP, LLC Its Managing member

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA Diversified Credit Strategies Fund Master, L.P.**

BY: OHA Diversified Credit Strategies GenPar LLC, its General Partner

OHA Diversified Credit Strategies MGP, LLC, its managing member

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA DIVERSIFIED CREDIT STRATEGIES MASTER FUND (PARALLEL II), L.P.**

By: OHA Diversified Credit Strategies Fund (Parallel II) GenPar, LLC, Its General Partner

By: OHA Global GenPar, LLC, Its Managing member

By: OHA Global MGP, LLC, Its Managing member

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA LOAN FUNDING 2012-1, LTD.**

By: Oak Hill Advisors, L.P. As Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA LOAN FUNDING 2014-1, LLC**

BY: Oak Hill Advisors, L.P. as Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA LOAN FUNDING 2015-1 LTD.**

BY: Oak Hill Advisors, L.P. as Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OHA Loan Funding 2016-1, Ltd.**

By: Oak Hill Advisors, L.P. As Portfolio Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**OHA S.C.A., SICAV-SIF**

represented by OHA Management (Luxembourg) S.A r.l., in its capacity of General Partner

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OKLAHOMA STATE UNIVERSITY FOUNDATION**

By: Its Investment Manager CVC Credit Partners, LLC

by:

/s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Oregon Public Employees Retirement Fund**

BY: Oak Hill Advisors, L.P., as Investment Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM FUNDING II, LTD.**

By: Och-Ziff Loan Management LP, its portfolio manager  
By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM FUNDING III, LTD.**

By: Och-Ziff Loan Management LP, its portfolio manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM FUNDING IV, LTD.**

By: Och-Ziff Loan Management LP, its portfolio manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM FUNDING, LTD.**

By: OZ CLO Management LLC, its portfolio manager

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XI, LTD.**

By: Och-Ziff Loan Management LP, its collateral manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**OZLM XII, LTD.**

By: Och-Ziff Loan Management LP, its collateral manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XIII, LTD.**

By: Och-Ziff Loan Management LP, its collateral manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XIV, LTD.**

By: Och-Ziff Loan Management LP, its collateral manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XV, LTD.**

By: Och-Ziff Loan Management LP, its collateral manager

By: Och-Ziff Loan Management LLC, its general partner

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XVI, Ltd.**

By: OZ CLO Management LLC, its successor portfolio manager

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XVII, Ltd.**

By: OZ CLO Management LLC, its collateral manager

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**OZLM XVIII, LTD**

By: Och Ziff Loan Management LP, its portfolio

by:

/s/ Alesia J. Haas

Name: Alesia J. Haas

Title: CFO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Pacific Asset Management Bank Loan Fund L.P.**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management),  
in its capacity as Investment Advisor

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory



**Name of Institution:**

**Pacific Asset Management Senior Loan Fund**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management), in its capacity as Investment Manager.

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**PACIFIC FUND FLOATING RATE INCOME**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management),  
in its capacity as Investment Advisor

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**PACIFIC FUND STRATEGIC INCOME**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management),  
in its capacity as Investment Advisor

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**PACIFIC SELECT FUND-FLOATING RATE INCOME PORTFOLIO**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management),  
in its capacity as Investment Adviser

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**Pacific Select Fund Floating Rate Loan Portfolio**

BY: Eaton Vance Management as Investment Sub-Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Palmer Square CLO 2014-1, Ltd**

By: Palmer Square Capital Management LLC, as Portfolio Manager

by:

/s/ Matt Bloomfield

Name: Matt Bloomfield

Title: Managing Director/Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Collateral Manager to: Parallel 2015-1, Ltd.**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Collateral Manager to: Parallel 2017-1, Ltd.**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**PBI-K US Loan Master Fund 2017-7 a Series Trust of Global Cayman Investment Trust**

By: PineBridge Investments LLC

Its Investment Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Penn Treaty Protected Cell of LTC Re**

By: Wellington Management Company LLP as its Investment Advisor

by:

/s/ Donna Sirianni

Name: Donna Sirianni

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PensionDanmark Pensionsforsikringsaktieselskab**

By: Guggenheim Partners Investment Management, LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Permanens Capital Floating Rate Fund LP**

BY: BlackRock Financial Management Inc., Its Sub-Advisor

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PI Solutions - Global Floating Rate Income**

By: Amundi Pioneer Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Bermuda Trust II: PIMCO Bermuda Bank Loan Fund (M)**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Cayman Trust: PIMCO Cayman Bank Loan Fund**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Cayman Trust: PIMCO Cayman Bank Loan Fund II**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**PIMCO Corporate & Income Opportunity Fund**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Funds Global Investors Series plc: Income Fund**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Funds Ireland plc: PIMCO Senior Loan Fund**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PIMCO Funds: PIMCO Senior Floating Rate Fund**

By: Pacific Investment Management Company LLC, as its Investment Advisor

by:

/s/ Arthur Y.D. Ong

Name: Arthur Y.D. Ong

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Pinebridge SARR**

By: PineBridge Investments LLC As Investment Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PINEBRIDGE SENIOR FLOATING RATE INCOME FUND**

By: PineBridge Investments LLC As Investment Manage

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**PineBridge Senior Secured Loan Fund Ltd.**

BY: PineBridge Investments LLC Its Investment Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Pinnacle Park CLO, Ltd**

By: GSO / Blackstone Debt Funds Managemetn LLC as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Pioneer Floating Rate Fund**

By: Amundi Pioneer Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Pioneer Floating Rate Trust**

By: Amundi Pioneer Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Pioneer Multi-Asset Ultrashort Income Fund**

By: Amundi Pioneer Asset Management, Inc.

by:

/s/ Margaret C. Begley

Name: Margaret C. Begley

Title: Vice President and Associate General Counsel

For any institution requiring a second signature line:

by:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT NO. 4 AND REFINANCING  
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CREDIT AGREEMENT

**Name of Institution:** PNC Bank, NA

by

/s/ Keven Larkin

Name: Keven Larkin

Title: Vice President

For any institution requiring a second signature line:

by

Name:

Title:

**Name of Institution:**

**Post Intermediate Term High Yield Fund**

BY: Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Post Senior Loan Master Fund, L.P.**

BY: Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Premia LV1 Ltd.**

By: Ares Management LLC, its investment manager

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Principal Funds, Inc - Global Multi Strategy Fund**

By: Loomis, Sayles & Company, L.P., Its Sub-Advisor

By: Loomis, Sayles & Company, Incorporated, Its General Partner

by:

/s/ Mary McCarthy

Name: Mary McCarthy

Title: Vice President, Legal and Compliance Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Providence Health & Services Investment Trust (Bank Loans Portfolio)**  
by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Prudential Investment Portfolios, Inc. 14 - Prudential Floating Rate Income Fund**  
By: PGIM, Inc., as Investment Advisor

by:

/s/ Joseph Lemanowicz

Name: Joseph Lemanowicz

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: Please see attached execution pages.**

by

\_\_\_\_\_  
Name:

Title:

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

PUTNAM FLOATING RATE INCOME FUND

/s/ Kerry O'Donnell

---

Name: Kerry O'Donnell

Title: Manager

PUTNAM FUNDS TRUST,  
on behalf of its series, PUTNAM ABSOLUTE RETURN 500 FUND  
by Putnam Investment Management, LLC

/s/ Suzanne Deshaies

---

Name: Suzanne Deshaies

Title: VP

PUTNAM ABSOLUTE RETURN 300 FUND  
by Putnam Investment Management, LLC

/s/ Kerry O'Donnell

---

Name: Kerry O'Donnell  
Title: Manager

**Name of Institution:**

**QUAMVIS SCA SICAV-FIS: CMAB - SIF - Credit Multi Asset Pool B**

By: Marathon Asset Management, L.P.

Its: Sub-Investment Manager

by:

/s/ Louis Hanover

Name: Louis Hanover

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**R3 Capital Partners Master, L.P.**

BY: BlackRock Investment Management, LLC, its Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Race Point VIII CLO, Limited**

By: Bain Capital Credit, LP, as Portfolio Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Sub-Advisor to: Renaissance Flexible Yield Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Renaissance Investment Holdings Ltd**

By: Eaton Vance Management as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Sub-Advisor to: Renaissance Multi-Sector Fixed Income Private Pool**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Renaissance Trust 2009**

By: HPS Investment Partners LLC,  
Its Sub-Investment Manager

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Retail Employees Superannuation Trust**

By: Bain Capital Credit, LP, as Investment Adviser and Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**RIMAC FUNDING, LLC**

by:

/s/ Madonna Sequeira

Name: Madonna Sequeira

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**RLI INSURANCE COMPANY**

BY: PineBridge Investments LLC Its Investment Manager

by:

/s/ Steven Oh

Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution: ROCKFORD TOWER CLO 2017-3, LTD.,**  
By: Rockford Tower Capital Management, L.L.C.  
Its Collateral Manager

by

/s/ Howard Baum

Name: Howard Baum

Title: Authorized Signatory

**Name of Institution: ROCKFORD TOWER CLO 2018, LTD.,**  
By: Rockford Tower Capital Management, L.L.C.  
Its Collateral Manager

by

/s/ Howard Baum

Name: Howard Baum

Title: Authorized Signatory

**Name of Institution:**

**Romark CLO - I Ltd**

By: Shenkman Capital Management, Inc, as Servicer

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution: Royal Bank of Canada**

by

/s/ Suzanne Kaicher

Name: Suzanne Kaicher

Title: Attorney-in-Fact

Royal Bank of Canada

**Name of Institution:**

**RR1 LTD.**

BY: Apollo Credit Management (CLO), LLC, as its collateral manager

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**RR 2 Ltd.**

by Redding Ridge LLC  
as its collateral manage

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**RSUI Indemnity Company**

By: Ares ASIP VII Management, L.P., its Portfolio Manager

By: Ares ASIP VII GP, LLC, its General Partner

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Russell Investment Company Unconstrained Total Return Fund**

By: Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Safe Auto Insurance Company**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**San Francisco City and County Employees' Retirement System**  
By: Bain Capital Credit, LP, as Investment Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Saranac CLO III Limited**

By: Canaras Capital Management, LLC  
As Sub-Investment Adviser

by:

/s/ Marc McAfee

\_\_\_\_\_  
Name: Marc McAfee

Title: Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Saratoga Investment Corp. CLO 2013-1, Ltd.**

by:

/s/ Pavel Antonov

Name: Pavel Antonov

Title: Attorney In Fact

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**SC Credit Opportunities Mandate LLC**

By: Brigade Capital Management, LP as Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Schlumberger Group Trust**

By: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Scor Reinsurance Company**

BY: BlackRock Financial Management, Inc., its Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**SEI Institutional Managed Trust - Multi-Strategy Alternative Fund**  
By: BRIGADE CAPITAL MANAGEMENT, LP  
as Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Seix Multi-Sector Absolute Return Fund L.P.**

By: Seix Multi-Sector Absolute Return Fund GP LLC, in its capacity as sole general partner

By: Seix Investment Advisors LLC, its sole member

by:

/s/ George Goudellas G.

\_\_\_\_\_  
Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Seneca Park CLO, Ltd.**

By: GSO / Blackstone Debt Funds Management LLC  
as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Senior Debt Portfolio**

BY: Boston Management and Research as Investment Advisor

by:

/s/ Michael Brotthof

Name: Michael Brotthof

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Shackleton 2013-IV CLO, LTD**

by Alcentra NY, LLC as its Collateral Manager

by:

/s/ Robert Davis

Name: Robert Davis

Title: Sr. Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Shackleton 2014-V CLO, Ltd.**

by:

/s/ Robert Davis

Name: Robert Davis

Title: Sr. Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Shackleton 2014-VI CLO, Ltd.**

BY: Alcentra NY, LLC as its Collateral Manager

by:

/s/ Robert Davis

Name: Robert Davis

Title: Sr. Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Shackleton 2017-XI CLO, LTD.**

by Alcentra NY, LLC as its Collateral Manager

by:

/s/ Robert Davis

Name: Robert Davis

Title: Sr. Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**SHBNPP US Senior Loan Private Special Asset Investment Trust No.1 (H)[Loan]**  
By: CIFIC Asset Management LLC, its Advisor

by:

/s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Senior Investment Analyst

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Shenkman Floating Rate High Income Fund**

By: Shenkman Capital Management, Inc., as Collateral Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Shenkman Short Duration High Income Fund**

By: Shenkman Capital Management, Inc., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Silver Spring CLO Ltd.**

by:

/s/ Richard Kurth

Name: Richard Kurth

Title: Principal

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Silvermore CLO, LTD.**

by:

/s/ Richard Kurth

Name: Richard Kurth

Title: Principal

For any institution requiring a second signature line:

by:

Name:

Title:

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**Societe Generale, Grand Cayman Branch**

by

/s/ Alexandre Trenaux

Name: Alexandre Trenaux

Title: Head of Trading

**Name of Institution:**

**Sonoma County Employees' Retirement Association**

By: Guggenheim Partners Investment Management, LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**South Carolina Retirement Systems Group Trust**

By: PineBridge Investment LLC  
Its Investment Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**South Fork Trading, LLC**

By: SunTrust Bank, as manager

by:

/s/ Connie Bailey-Blake

Name: Connie Bailey-Blake

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Spring Creek Trading, LLC**

BY: SunTrust Bank, as manager

by:

/s/ Karen Weich

Name: Karen Weich

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**STATE OF NEW MEXICO STATE INVESTMENT COUNCIL**

By: authority delegated to the New Mexico State Investment Office

By: Credit Suisse Asset Management, LLC, its investment manager

by:

/s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**DoubleLine Capital LP as Sub-Advisor to: State Street DoubleLine Total Return Tactical Portfolio**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Steel Creek CLO 2017-1, LTD**

by:

/s/ Paul Cal

Name: Paul Cal

Title: Senior Analyst

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Stichting Bedrijfstakpensioenfonds voor het Beroepsvervoer over de Weg**

BY: Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Stichting Blue Sky Active Fixed Income US Leveraged Loan Fund**

By: PineBridge Investments LLC

Its Investment Manager

by:

/s/ Steven Oh

\_\_\_\_\_  
Name: Steven Oh

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:** STICHTING DEPOSITARY APG FIXED INCOME CREDIT POOL

by

Please see attached

Name: Please see attached

Title:

For any institution requiring a second signature line:

by

Name:

Title:

---

STICHTING DEPOSITARY APG FIXED INCOME CREDITS POOL, as a Lender  
By: apg Asset Management US Inc .

By: /s/ Michael Leiva  
Name: Michael Leiva  
Title: Portfolio Manager



**Name of Institution:**

**Stone Tower Loan Trust 2010**

BY: Apollo Fund Management LLC, As Its Investment Manager

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Stone Tower Loan Trust 2011**

BY: Apollo Fund Management LLC, As its Investment Advisor

by:

/s/ Joseph Glatt

Name: Joseph Glatt

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Strategic Income Opportunities Bond Fund**

BY: BlackRock Institutional Trust Company, NA, not in its individual capacity but as Trustee of the Strategic Income Opportunities Bond Fund

by:

/s/ Rob Jacobi

\_\_\_\_\_  
Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Sudbury Mill CLO, Ltd.**

By: Shenkman Capital Management, Inc., as Collateral Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Suzuka INKA**

By: Bain Capital Credit, LP, as Fund Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Swiss Capital Alternative Strategies Funds SPC For the Account of its SC Alternative Strategy 11 SP Segregated Portfolio**  
By: Guggenheim Partners Investment Management, LLC as Sub-Manager

by:

/s/ Kaitlin Trinh

Name: Trinh, Kaitlin

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Swiss Capital Pro Loan V**

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Swiss Capital Pro Loan VI PLC**

by:

/s/ David Martino

Name: David Martino

Title: Controller

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**SWRBS CREDIT TRADING SUBSIDIARY, LTD.**

By: HPS Investment Partners, LLC, its Investment Manager

by:

/s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Taconic Park CLO Ltd.**

By: GSO / Blackstone Debt Funds Management LLC as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Teachers' Retirement System of the State of Kentucky**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:** Texas Exchange Bank, SSB

by

/s/ Casey Sullivan

Name: Casey Sullivan

Title: President

For any institution requiring a second signature line:

by

\_\_\_\_\_  
Name:

Title:

**Name of Institution:**

**Texas PrePaid Higher Education Tuition Board**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Adviser

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Thatcher Park CLO, Ltd.**

BY: GSO / Blackstone Debt Funds Management LLC as Collateral Manager

by:

/s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**The Coca-Cola Company Master Retirement Trust**

BY: BRIGADE CAPITAL MANAGEMETN, LP As Investment Manager

by:

/s/ Colin Galuski

Name: Colin Galuski

Title: Operations Associate

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**The Hartford Strategic Income Fund**

By: Wellington Management Company, LLP as its Investment Adviser

by:

/s/ Donna Sirianni

Name: Donna Sirianni

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**The Society Incorporated By Lloyd's Act 1871 By The Name of Lloyd's**  
BY: Guggenheim Partners Investment Management, LLC as Investment Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**THL Credit Wind River 2017-3 CLO Ltd.**

By THL Credit Advisors LLC, its Warehouse Collateral Manager

by:

/s/ James R. Fellows

Name: James R. Fellows

Title: Managing Director/Co-Head

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**THL CREDIT WIND RIVER 2017-4 CLO LTD**

By THL Credit Advisors LLC, as Warehouse Collateral Manager

by:

/s/ James R. Fellows

Name: James R. Fellows

Title: Managing Director/Co-Head

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Teachers Advisors, LLC on behalf of TIAA CLO III Ltd**

by:

/s/ Anders Persson

Name: Anders Persson

Managing Director

Title:

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**TRALEE CLO II, LTD**

By: Par-Four Investment Management, LLC  
As Collateral Manager

by:

/s/ Dennis Gorczyca

Name: Dennis Gorczyca

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Tranquilidade Diversified Income ICAV**

By: Apollo Management International LLP, its sub-advisor

by:

/s/ Joe Moroney

Name: Joe Moroney

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Transamerica Floating Rate**

by:

/s/ Ruth Dominguez

Name: Ruth Dominguez

Title: Associate Director

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Transatlantic Reinsurance Company**

By: Ares ASIP VII Management, L.P., its Portfolio Manager

By: Ares ASIP VII GP, LLC, its General Partner

by:

/s/ Christopher Mathewson

Name: Christopher Mathewson

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:**

**Trestles CLO 2017-1, Ltd.**

By: Pacific Asset Management, as collateral manager

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

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**Name of Institution:**

**Trinitas CLO VI, Ltd.**

by:

/s/ Gibran Mahmud

Name: Gibran Mahmud

Title: Chief Investment Officer

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**TRINITAS CLO VII, LTD.**

by:

/s/ Gibran Mahmud

Name: Gibran Mahmud

Title: Chief Investment Officer

For any institution requiring a second signature line:

by:

Name:

Title:

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**UBS AG, Stamford Branch, as Term Loan Lender**

by

/s/ Darlene Arias

Name: Darlene Arias

Title: Director

by

/s/ Kenneth Chin

Name: Kenneth Chin

Title: Director

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CREDIT AGREEMENT

**UBS AG, Stamford Branch, as Revolving Lender**

by

/s/ Darlene Arias

Name: Darlene Arias

Title: Director

by

/s/ Kenneth Chin

Name: Kenneth Chin

Title: Director

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**Name of Institution:**

**UNISUPER**

By: Oak Hill Advisors, L.P. as its Manager

by:

/s/ Glenn August

Name: Glenn August

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**United Ohio Insurance Company**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**UnitedHealthcare Insurance Company**

By: BlackRock Financial Management Inc.; its investment manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**U.S. Specialty Insurance Company**

BY: BlackRock Financial Management LLC, its Investment Manager

by:

/s/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vantage Trust**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management), in its capacity as Investment Advisor

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**Venture X CLO, Limited**

By its Collateral Manager, MJX Venture Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**VENTURE XII CLO, Limited**

BY: its investment advisor MJX Venture Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**VENTURE XIII CLO, Limited**

BY: its Investment Advisor MJX Asset Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Venture XVIII CLO, Limited**

By: its investment advisor MJX Asset Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Venture XXV CLO Limited**

By its Investment Advisor, MJX Asset Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Venture XXVI CLO, Limited**

By: its investment advisor MJX Venture Management LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Venture XXVII CLO, Limited**

By: its investment advisor MJX Venture Management II LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Venture XXVIII CLO, Limited**

By: its investment advisor MJX Venture Management II LLC

by:

/s/ Martin E. Davey

Name: Martin E. Davey

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vermont Pension Investment Committee**

by:

/s/ Kathy News

Name: Kathy News

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vibrant CLO III, Ltd.**

BY: DFG Investment Advisers, Inc.

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vibrant CLO IV, Ltd.**

By: DFG Investment Advisers, Inc., as Collateral Manager

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vibrant CLO V, Ltd.**

By: DFG Investment Advisers, Inc., as Collateral Manager

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vibrant CLO VI, Ltd.**

By: DFG Investment Advisers, Inc., as Collateral Manager

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Vibrant CLO VII, Ltd.**

By: DFG Investment Advisers, Inc., as Collateral Manager

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



**Name of Institution:**

**Vibrant CLO VIII, Ltd.**

By: DFG Investment Advisers, Inc., as Collateral Manager

by:

/s/ Roberta Goss

Name: Roberta Goss

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus GF Multi-Sector Short Duration Bond Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus Global Multi Sector Income Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus Newfleet Dynamic Credit ETF**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus Newfleet Multi-Sector Intermediate Bond Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus Newfleet Multi-Sector Short Term Bond Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus Newfleet Senior Floating Rate Fund**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Virtus SEIX Floating Rate High Income Fund**

By: Seix Investment Advisors LLC, as Subadviser

by:

/s/ George Goudellas G.

Name: George Goudellas G.

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:**

**Voya CLO 2017-2, Ltd.**

By: Voya Alternative Asset Management LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Voya CLO 2017-3, Ltd.**

By: Voya Alternative Asset Management LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Voya Credit Opportunities Master Fund**

By: Voya Alternative Asset Management LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Voya Floating Rate Fund**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Voya Floating Rate Senior Loan Fund**

BY: Voya Investment Management Co. LLC, as its investment advisor

by:

/s/ Jim Essert

Name: Jim Essert

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Voya Investment Trust Co. Plan for Common Trust Funds - Voya Senior Loan Common Trust Fund**  
BY: Voya Investment Trust Co. as its trustee

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Voya Investment Trust Co. Plan for Employee Benefit Investment Funds - Voya Senior Loan Trust Fund**  
BY: Voya Investment Trust Co. as its trustee

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Voya Prime Rate Trust**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:**

**Voya Senior Income Fund**

BY: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Voya Strategic Income Opportunities Fund**

By: Voya Investment Management Co. LLC, as its investment manager

by:

/s/ Jim Essert

Name: Jim Essert

Title: Senior Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**VVIT: Virtus Newfleet Multi-Sector Intermediate Bond Series**

by:

/s/ Kyle Jennings

Name: Kyle Jennings

Title: Managing Director

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Washington Mill CLO Ltd.**

By: Shenkman Capital Management, Inc., as Collateral Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**WATER AND POWER EMPLOYEES' RETIREMENT, DISABILITY, AND DEATH BENEFIT INSURANCE PLAN (for  
WATER AND POWER EMPLOYEES' RETIREMENT PLAN AND RETIREE HEALTH BENEFITS FUND)**

By: Pacific Life Fund Advisors LLC (doing business as Pacific Asset Management), in its capacity as Investment Advisor

by:

/s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

/s/ Anar Majmuder

Name: Anar Majmuder

Title: Authorized Signatory

**Name of Institution:**

**Wellfleet CLO 2017-1, Ltd.**

By: Wellfleet Credit Partners, LLC  
As Collateral Manager

by:

/s/ Dennis Talley

\_\_\_\_\_  
Name: Dennis Talley

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

**Name of Institution:**

**Wellfleet CLO 2017-2, Ltd.**

By: Wellfleet Credit Partners, LLC  
As Collateral Manager

by:

/s/ Dennis Talley

Name: Dennis Talley

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**Wellington Trust Company, National Association Multiple Collective Investment Funds Trust II Multi- Sector Credit II Portfolio**  
By: Wellington Management Company LLP as its Investment Advisor

by:

/s/ Donna Sirianni

Name: Donna Sirianni

Title: Vice President

For any institution requiring a second signature line:

by:

Name:

Title:



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**Name of Institution:**

**WIF - Post Short Duration High Yield Fund**

BY: Post Advisory Group, LLC not in its individual capacity but solely as authorized agent for and on behalf of:

by:

/s/ Schuyler Hewes

Name: Schuyler Hewes

Title: Portfolio Manager

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**DoubleLine Capital LP as Sub-Advisor to: Wilshire Mutual Funds, Inc. - Wilshire Income Opportunities Fund**

by:

/s/ Oi Jong Martel

Name: Oi Jong Martel

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**WM Pool - Fixed Interest Trust No. 7**

by SHENKMAN CAPITAL MANAGEMENT, INC., as Investment Manager

by:

/s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**WM POOL - HIGH YIELD FIXED INTEREST TRUST**

by:

/s/ Patricia Charles

Name: Patricia Charles

Title: Associate

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**WRH High Yield GP LLC**

by:

/s/ Ron Poyle

Name: Ron Poyle

Title: Authorized Officer

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**XL Investments Ltd**

By: Oak Hill Advisors, L.P., As its Investment Manager

by:

/s/ Glenn August

Name: August, Glenn

Title: Authorized Signatory

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution:**

**XL RE Europe SE**

By: Bain Capital Credit, LP, as Investment Manager

by:

/s/ Andrew Viens

Name: Andrew Viens

Title: Executive Vice President

For any institution requiring a second signature line:

by:

Name:

Title:

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**Name of Institution: York CLO-2 Ltd.**

by

/s/ Rizwan Akhter

Name: Rizwan Akhter

Title: Authorized Signatory



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**Name of Institution:**

**Ziggurat CLO Ltd.**

By: Guggenheim Partners Investment Management, LLC as Asset Manager

by:

/s/ Kaitlin Trinh

Name: Kaitlin Trinh

Title: Authorized Person

For any institution requiring a second signature line:

by:

Name:

Title:

2017 Refinancing Term Loans

<u>Lender</u>	<u>New Tranche E Term Loan Commitment</u>	<u>New Tranche F Term Loan Commitment</u>
Credit Suisse AG, Cayman Islands Branch	\$ 1,503,350,961.50	\$ 3,655,206,518.75
<b>TOTAL</b>	<b>\$ 1,503,350,961.50</b>	<b>\$ 3,655,206,518.75</b>

Post Amendment No. 4 Effective Date Obligations

Within 90 days after the Amendment No. 4 Effective Date (or such later date that the Agent in its reasonable discretion may permit), with respect to the below described Mortgaged Properties, the Agent shall have received (i) an amendment to the applicable Existing Mortgage in form and substance reasonably satisfactory to the Agent, (ii) evidence that a counterpart of such amendment to the Existing Mortgage has been recorded (or delivered to the appropriate Title Insurance Company subject to arrangements reasonably satisfactory to the Agent for recording promptly thereafter in the place necessary to create a valid and enforceable first priority Lien in favor of the Agent for the benefit of itself and the Secured Parties), (iii) a "date-down" and modification endorsement to the existing Title Insurance Policy (or a new Title Insurance Policy if such endorsements are not available in a jurisdiction where an Existing Mortgage has been recorded), which shall amend the description therein of the insured Existing Mortgage to include the amendment of the Existing Mortgage, and otherwise be in form and substance reasonably satisfactory to the Agent, (iv) a favorable opinion of counsel in the state in which such parcels of real property are located with respect to the enforceability of said amendment of the Existing Mortgage and such other opinions as Agent shall reasonably request, all in form and substance and from counsel reasonably satisfactory to the Agent and (v) such other information, documentation, and certifications (including evidence of flood insurance as may be required by applicable law) as may be reasonably required by the Agent, in each case with respect to the following Mortgaged Properties:

- a. 320 S. Church Street, Addison, IL 60101-3750
- b. 1230 Old Norris Road, Liberty, SC 29657
- c. 6019 Powdermill Road, Franklin Twp., Kent, OH 44240-7109
- d. 8575 Helms Avenue, Rancho Cucamonga, CA 91730
- e. 2405 S. 3rd Ave., Union Gap, WA 98903
- f. 40 Orville Drive and 105 Wilbur Place, Bohemia, NY 11716

For the avoidance of doubt, if and to the extent that the foregoing information, documentation and certifications relate to the Tranche G Term Loans (in addition to the New Tranche E Term Loans and the New Tranche F Term Loans), delivery of the foregoing information, documentation and certifications shall satisfy any comparable obligations under Schedule II to Amendment No. 3.