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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 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): March 6, 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)

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

**Not Applicable**  
(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 registrant under any of the following provisions:

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

On March 6, 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. 2 (the “Amendment”) to that certain Second Amended and Restated Credit Agreement, dated June 4, 2014, with Credit Suisse AG, as administrative agent and collateral agent (the “Agent”), and the other agents and lenders named therein. The Amendment permits, among other things, up to \$1.5 billion of dividends and share repurchases over the next twelve months. If any portion of the \$1.5 billion is not used for dividends or share repurchases over the next twelve months, such amount (not to exceed \$500 million) may be used to repurchase stock at any time thereafter. The Amendment also increases the general investment basket to the greater of \$400 million and 8% of consolidated total assets.

The lenders and agents or their affiliates under the Amendment to the Credit Agreement 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 to the Credit Agreement is qualified in its entirety by reference to the Amendment to the Credit Agreement, which is attached hereto as 10.1, and is incorporated herein by reference.

**Item 7.01. Regulation FD Disclosure.**

In connection with the Amendment, on March 7, 2017, the TD Group Board of Directors authorized a new stock repurchase program permitting us to repurchase a portion of our outstanding shares not to exceed \$600 million in the aggregate, subject to restrictions specified in our debt agreements. The program replaces in its entirety the previous stock repurchase program, which had a remaining amount of repurchases allowable of approximately \$213 million.

**Item 9.01. Financial Statements and Exhibits.**

(d) *Exhibits*

<u>Exhibit</u>	<u>Description</u>
10.1	Amendment No. 2, dated as of March 6, 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.

**SIGNATURE**

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 M. Paradie

Name: Terrance M. Paradie

Title: Executive Vice President and Chief  
Financial Officer

Dated: March 8, 2017

**EXHIBIT INDEX**

**Exhibit**

**Description**

10.1 Amendment No. 2, dated as of March 6, 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.

AMENDMENT NO. 2 dated as of March 6, 2017 (this "Amendment"), 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, and 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 (the "Lenders"), 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) on the Amendment No. 2 Effective Date (as defined below), certain provisions of the Credit Agreement be amended as set forth herein and (ii) Mortgages on certain Mortgaged Properties with an individual fair market value on the Amendment No. 2 Effective Date of less than \$5,000,000 be released as set forth herein.

B. The Lenders party hereto, constituting the Required Lenders, are willing to amend the Credit Agreement as provided for herein and to authorize the release of such Mortgages 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:

SECTION 1. 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 "Amendment No. 2 Transactions" means, collectively, (a) the execution, delivery and performance by each Loan Party of this Amendment and (b) the payment of fees and expenses incurred in connection with the foregoing.

SECTION 2. Amendments to the Credit Agreement. Effective as of the Amendment No. 2 Effective Date, the Credit Agreement is hereby amended as follows:

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

"Amendment No. 2" means Amendment No. 2 dated as of March 6, 2017, relating to this Agreement.

“Amendment No. 2 Effective Date” has the meaning assigned to such term in Amendment No. 2.

(b) The definition of the term “Permitted Investments” set forth in Section 1.01 of the Credit Agreement is hereby amended by replacing the words “(A) \$50,000,000 and (B) 4.0%” in clause (10) thereof with the words “(A) \$400,000,000 and (B) 8.0%”.

(c) Clause (10) of Section 6.02(c) of the Credit Agreement is hereby restated in its entirety as follows:

(10) Restricted Payments made on or after the Amendment No. 2 Effective Date in an aggregate amount not to exceed \$1,500,000,000, solely to the extent the proceeds thereof are used by Holdings to repurchase shares of its Capital Stock or to pay dividends or other distributions on or in respect of its Capital Stock; provided that (i) any such Restricted Payment is declared and paid or otherwise consummated on or prior to the first anniversary of the Amendment No. 2 Effective Date and (ii) at the time any such Restricted Payment is declared and paid or otherwise consummated and after giving pro forma effect thereto, (A) no Revolving Loans or Swingline Loans are outstanding, (B) if the proceeds thereof are to be used by Holdings to repurchase shares of its Capital Stock, the Borrower’s Consolidated Secured Net Debt Ratio does not exceed 4.00 to 1.00 and (C) if the proceeds thereof are to be used by Holdings to pay dividends or other distributions on or in respect of its Capital Stock, the Borrower’s Consolidated Net Leverage Ratio does not exceed 6.50 to 1.00; provided, further that, subject to compliance with the immediately preceding clause (ii) (but not clause (i)), an amount not to exceed \$500,000,000 may be made at any time after the Amendment No. 2 Effective Date (including after the first anniversary of the Amendment No. 2 Effective Date) solely to the extent that the proceeds thereof are used by Holdings to repurchase shares of its Common Stock; provided, further, that on each date that any such Restricted Payment is made pursuant to this clause (10), Holdings and the Borrower shall be deemed to have made the representation and warranty set forth in Section 3.13(a) (with the words “Second Restatement Date” in each place set forth therein being deemed to refer to the date on which such Restricted Payment is made, the words “Second Restatement Transactions” therein being deemed to refer to such Restricted Payment and the parenthetical set forth therein being disregarded) on and as of such date.

SECTION 3. Authorization to Release Certain Mortgages. Effective as of the Amendment No. 2 Effective Date, the Required Lenders hereby authorize and direct the Agent to release any Mortgages with respect to the following Mortgaged Properties (the “Released Properties”):

(a) 1043 North 47th Ave., Phoenix, AZ 85043-1817

- (b) 8301 Imperial Drive, Waco, TX 76712
- (c) 900 South Richfield Road, Placentia, CA 92870
- (d) 5000 Triggs Street, Los Angeles, CA 90022
- (e) 313 Gillett Street, Painesville, OH 44077
- (f) 450 Goolsby Blvd., Deerfield, FL 33442
- (g) 2600 South Custer Ave., Wichita, KS 67217
- (h) 1414 Randolph Avenue, Avenel, NJ 07001
- (i) 4223 Monticello Blvd., South Euclid, OH 44121; and
- (j) 9810 6th Street, Rancho Cucamonga, CA 91730.

SECTION 4. Conditions Precedent to Effectiveness. The effectiveness of this Amendment 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. 2 Effective Date"):

(a) the Agent shall have received counterparts of this Amendment 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 and (iii) Lenders constituting the Required Lenders;

(b) at the time of and immediately after giving effect to this Amendment, 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. 2 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 refer to the Amendment No. 2 Transactions, and the parenthetical in Section 3.13(a) of the Credit Agreement shall be disregarded;

(c) the Agent shall have received a certificate dated as of the Amendment No. 2 Effective Date and executed by a Financial Officer of the Borrower with respect to the conditions set forth in paragraph (b) above; and

(d) the Agent shall have received (x) payment of the fees set forth in Section 5 hereof and (y) payment of all fees and reimbursement of all expenses separately agreed in writing by the Borrower and the Agent 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. 2 Effective Date in connection with this Amendment and the transactions contemplated hereby to the

extent such expenses are invoiced at least one Business Day prior to the Amendment No. 2 Effective Date.

The Agent shall notify the Borrower and the Lenders of the Amendment No. 2 Effective Date, and such notice shall be conclusive and binding.

SECTION 5. Fees. On the Amendment No. 2 Effective Date, the Borrower shall pay to the Agent for the account of each Lender that executes and irrevocably delivers a signature page to this Amendment to the Agent (or its counsel) at or prior to 12:00 (noon), New York City time, on March 2, 2017, a fee (the "Amendment Fees"), in an amount equal to 0.15% of the aggregate amount of Revolving Credit Commitments (whether used or unused) and outstanding Term Loans of such Lender on the Amendment No. 2 Effective Date. The Amendment Fees shall be payable in immediately available funds and, once paid, shall not be refundable under any circumstances.

SECTION 6. Representations and Warranties. To induce the other parties hereto to enter into this Amendment, Holdings and the Borrower represent and warrant to each of the Lenders and the Agent that (a) this Amendment has been duly authorized, executed and delivered by Holdings, the Borrower and the Subsidiaries of the Borrower party hereto, and this Amendment 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 Amendment, 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. 2 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. 2 Effective Date", the words "Second Restatement Transactions" shall be deemed to refer to the Amendment No. 2 Transactions and the parenthetical in Section 3.13(a) of the Credit Agreement shall be disregarded and (c) as of the Amendment No. 2 Effective Date, after giving effect to this Amendment, no Default or Event of Default has occurred and is continuing.

SECTION 7. Effect of Amendment. Except as expressly set forth herein, this Amendment 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 Amendment shall apply and be effective only with respect to the provisions of the Credit Agreement specifically referred to herein. After the Amendment No. 2 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 Amendment shall constitute a “Loan Document” for all purposes of the Amended Credit Agreement and the other Loan Documents.

SECTION 8. Acknowledgement and Consent. Each Loan Party hereby acknowledges that it has read this Amendment and consents to the terms hereof and further hereby affirms, confirms and agrees that (a) notwithstanding the effectiveness of this Amendment, 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; 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. 2 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.

SECTION 9. Counterparts. This Amendment 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 Amendment by facsimile or other electronic method of transmission shall be effective as delivery of a manually signed counterpart of this Amendment.

SECTION 10. Governing Law. THIS AMENDMENT 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 Amendment to the same extent as if fully set forth herein.

SECTION 11. Headings. Section headings used herein are for convenience of reference only, are not part of this Amendment and shall not affect the construction of, or be taken into consideration in interpreting, this Amendment.

*[Remainder of page intentionally left blank]*

IN WITNESS WHEREOF, the parties hereto have caused this Amendment 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 INVESTMENTS, INC.  
MCKECHNIE AEROSPACE US LLC  
PEXCO AEROSPACE, INC.  
PNEUDRAULICS, INC.  
SCHNELLER LLC  
SEMCO INSTRUMENTS, INC.  
SHIELD RESTRAINT SYSTEMS, INC.  
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**

By: /s/ Sean P. Maroney

Name: Sean P. Maroney

Title: Treasurer

[Signature Page to Amendment No. 2]

**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. 2]

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as  
Agent

by /s/ Robert Hetu

Name: Robert Hetu

Title: Authorized Signatory

by /s/ Warren Van Heyst

Name: Warren Van Heyst

Title: Authorized Signatory

**Name of Institution:** 1776 CLO I, Ltd.

By: /s/ Ron Polye

Name: Ron Polye

Title: Authorized Officer

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** 3i GLOBAL FLOATING RATE INCOME LIMITED

By: 3i Debt Management US LLC, as the US Investment  
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:** 3i US Senior Loan Fund, L.P.

By: 3i Debt Management US, LLC as 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:** 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:



SIGNATURE PAGE TO AMENDMENT  
NO. 2 DATED AS OF THE DATE FIRST  
WRITTEN ABOVE, TO THE  
TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT  
NO. 2 DATED AS OF THE DATE FIRST  
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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT  
NO. 2 DATED AS OF THE DATE FIRST  
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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

SIGNATURE PAGE TO AMENDMENT  
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AND RESTATED CREDIT AGREEMENT

**Name of Institution:** A Series Trust of Multi Manager Global Investment Trust - PIMCO Cayman Bank Loan Libor Plus Fund JPY Hedge

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:** A Voce CLO, Ltd.

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

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/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ACAS CLO 2012-1, 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:** ACAS CLO 2013-1, 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:** ACAS CLO 2014-1, 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:** ACAS CLO 2014-2, 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:







SIGNATURE PAGE TO AMENDMENT  
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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** ACE American Insurance Company

BY: T. Rowe Price Associates, Inc. as investment advisor

By:       /s/ Brian Burns      

Name: Brian Burns

Title: Vice President

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/ Rob Jacobi

Name: Rob Jacobi

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ACIS CLO 2013-2 LTD

By: Acis Capital Management, L.P., its Portfolio Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ACIS CLO 2013-1 LTD.

By: Acis Capital Management, L.P., its Portfolio Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** ACIS CLO 2014-4, Ltd.

By: Acis Capital Management, L.P., its Portfolio Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** ACIS CLO 2015-6, Ltd

By: Acis Capital Management, L.P., its Portfolio Manager

By: /s/ Carter Chism

Name: Carter Chism

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:** Adirondack 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:** AdvisorShares Pacific Asset Enhanced Floating Rate ETF

By: Pacific Life Fund Advisors LLC (doing business as Pacific  
Asset Management),

in its capacity as Sub-Adviser

By: Virtus Partners LLC, as attorney-in-fact

By: /s/ Norman Yang

Name: Norman Yang

Title: Authorized Signatory

For any institution requiring a second signature line:

By: /s/ Anar Majmudar

Name: Anar Majmudar

Title: Authorized Signatory

**Name of Institution:** AEGIS Electric and Gas International Services, Ltd.

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:





**AIB Debt Management, Limited.**

By /s/ David Smith  
Name: David Smith  
Title: Vice President  
Investment Advisor to  
AIB Debt Management, Limited

By /s/ Joan Chen  
Name: Joan Chen  
Title: Assistant Vice President  
Investment Advisor to  
AIB Debt Management, Limited

**Name of Institution:** SunAmerica Income Funds - SunAmerica 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: Allstate Insurance Company**

By /s/ Robert Smith

Name: Robert Smith

Title: Authorized Signatory

For any institution requiring a second signature line:

by /s/ John Pintozzi

Name: John Pintozzi

Title: Authorized Signatory

**Name of Institution: Allstate Life Insurance Company**

By /s/ Robert Smith

\_\_\_\_\_  
Name: Robert Smith

Title: Authorized Signatory

For any institution requiring a second signature line:

By /s/ John Pintozzi

\_\_\_\_\_  
Name: John Pintozzi

Title: Authorized Signatory

**Name of Institution: AIMCO CLO,  
Series 2014-A By: Allstate  
Investments Management  
Company as Collateral Manager**

By /s/ Robert Smith

\_\_\_\_\_  
Name: Robert Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By /s/ John Pintozzi

\_\_\_\_\_  
Name: John Pintozzi  
Title: Authorized Signatory

**Name of Institution: AIMCO CLO,  
Series 2015-A By: Allstate  
Investments Management  
Company as Collateral Manager**

by /s/ Robert Smith

\_\_\_\_\_  
Name: Robert Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By /s/ John Pintozzi

\_\_\_\_\_  
Name: John Pintozzi  
Title: Authorized Signatory

**Name of Institution:** AIRLIE CLO 2006 II Ltd.

by /s/ Seth Cameron

\_\_\_\_\_  
Name: Seth Cameron

Title: Portfolio Manager

For any institution requiring a second signature line:

By \_\_\_\_\_

Name:

Title:

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**Name of Institution:** ALJ Global Bank Loan Fund 2015 A SERIES TRUST OF MULTI MANAGER GLOBAL INVESTMENT TRUST

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:** ALJ Global Loan Fund 2016 A SERIES TRUST OF MULTI MANAGER GLOBAL INVESTMENT TRUST

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: AXA IM Inc. for and on behalf of**

**Allegro CLO II Limited**  
**Allegro CLO III Limited**

by: /s/ Xavier Boucher

Name: AXA Investment Managers Paris SA

Xavier Boucher

Title: Senior Portfolio Manager



**Name of Institution:** AB Bond Fund, Inc. - AB Limited Duration High Income Portfolio

BY: AllianceBernstein L.P.

By: /s/ Neil Ruffell

Name: Neil Ruffell

Title: VP - Corporate Actions

For any institution requiring a second signature line:

By:

Name:

Title:

Name of Institution: AllianceBernstein Global High Income Fund

BY: AllianceBernstein L.P.

By: /s/ Neil Ruffell

Name: Neil Ruffell  
Title: VP - Corporate Actions

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** AllianceBernstein High Income Fund

BY: AllianceBernstein L.P.

By:         /s/ Neil Ruffell  

Name: Neil Ruffell  
Title: VP - Corporate Actions

For any institution requiring a second signature line:

By:

Name:  
Title:

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**Name of Institution:** AllianceBernstein Institutional Investments - AXA High Yield Loan II Portfolio

By: AllianceBernstein L.P., as Investment Advisor

By: /s/ Neil Ruffell

Name: Neil Ruffell

Title: VP - Corporate Actions

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** AllianceBernstein Institutional Investments - AXA High Yield Loan Portfolio

BY: AllianceBernstein L.P., as Investment Advisor

By: /s/ Neil Ruffell

Name: Neil Ruffell  
Title: VP - Corporate Actions

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 XIV, 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 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:

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**Name of Institution:** AMADABLUM US Leveraged Loan Fund a Series Trust of Global Multi Portfolio Investment Trust

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



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**Name of Institution:** American Century Capital Portfolios, Inc. - AC Alternatives Income Fund

By: Bain Capital Credit, LP as Subadvisor

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:** American General Life Insurance Company

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** American Home Assurance Company

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** American Honda Master Retirement Trust

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:** Ameriprise Certificate Company

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** AMJ Bank Loan Fund A Series Trust of Multimanager Global Investment Trust

BY: Brown Brothers Harriman Trust Company  
(Cayman) Limited acting solely in its capacity as trustee of  
AMJ Bank Loan Fund, a series trust of Multi Manager Global  
Investment Trust, acting by Highbridge Principal Strategies,  
LLC as attorney-in-fact, and expressly on the basis that the  
parties agree they shall not have recourse to the assets of Multi

By: /s/ Jamie Donsky

Name: Jamie Donsky

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

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**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:

**Name of Institution:** AMJ LOAN FUND SERIES 3 A SERIES TRUST OF MULTIMANAGER GLOBAL INVESTMENT TRUST

By: Brown Brothers Harriman Trust Company (Cayman)  
Limited acting solely in its capacity as trustee of AMJ Loan  
Fund Series 3, a series trust of Multi Manager Global  
Investment Trust, acting by HPS Investment Partners, LLC as  
attorney-in-fact

By: /s/ Wellington Chin

Name: Wellington Chin

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** AMMC CLO 15, LIMITED

BY: American Money Management Corp., as Collateral  
Manager

By: /s/ David P. Meyer

Name: David P. Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** AMMC CLO 16, LIMITED

By: American Money Management Corp., as Collateral  
Manager

By: /s/ David P. Meyer

Name: David P. Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** AMMC CLO 17, LIMITED

By: American Money Management Corp., as Collateral  
Manager

By: /s/ David P. Meyer

Name: David P. Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** AMMC CLO 18, 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 19, 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 20, 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 IX, LIMITED

By: American Money Management Corp., as Collateral  
Manager

By: /s/ David P Meyer

Name: David P Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** AMMC CLO XI, LIMITED

By: American Money Management Corp., as Collateral  
Manager

By: /s/ David P. Meyer

Name: David P. Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** AMMC CLO XII, LIMITED

By: American Money Management Corp., as Collateral  
Manager

By: /s/ David P. Meyer

Name: David P. 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 P. Meyer

Name: David P. Meyer

Title: Senior Vice President

For any institution requiring a second signature line:

By:

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**Name of Institution:** AMMC CLO XIV, LIMITED

By: /s/ David P. Meyer

Name: David P. 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:** Anchorage Capital CLO 3, 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 4, 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 5, 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 7, 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 8, Ltd.

By: Anchorage Capital Group, L.L.C., its Collateral 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 9, Ltd.

By: Anchorage Capital Group, L.L.C., its Collateral 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 Credit Funding 3, Ltd

By: Anchorage Capital Group, L.L.C., its Collateral 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:** Annisa CLO, Ltd.

By: Invesco RR Fund L.P. as Collateral Manager

By: Invesco RR Associates LLC, as general partner

By: Invesco Senior Secured Management, Inc. as sole member

By: /s/ Egan, Kevin

Name: Egan, Kevin

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ANTHEM, INC. (FORMERLY KNOWN AS WELLPOINT, INC.)

BY: ARES WLP MANAGEMENT L.P., ITS MANAGER  
BY: ARES WLP MANAGEMENT GP LLC, ITS GENERAL  
PARTNER

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

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:





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**Name of Institution:** APIDOS CLO X

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 XI

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 XII

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 XIV

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 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 XV

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 XVII

**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 XVIII

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 XX

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 XXI

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:

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**Name of Institution:** APIDOS CLO XXII

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:

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**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 XXIV

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 XXV

By: Its Collateral Manager CVC Credit Partners

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 IV 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:** 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:

**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:** Apollo TR US Broadly Syndicated Loan LLC

By: Apollo Total Return Master Fund LP, its Member

By: Apollo Total Return Advisors LP, its General Partner

By: Apollo Total Return Advisors 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:** Arch Investment Holdings III 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:** Arch Street CLO, Ltd.

By: /s/ R. Ian O'Keeffe

Name: R. Ian O'Keeffe

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARCHES FUNDING ULC

By:         /s/ Madonna Sequeira  

Name: Madonna Sequeira

Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**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/ Daniel Hayward    

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** ARES ENHANCED CREDIT OPPORTUNITIES FUND II LTD.

BY: ARES ENHANCED CREDIT OPPORTUNITIES  
INVESTMENT MANAGEMENT II, LLC, ITS  
INVESTMENT MANAGER

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES ENHANCED LOAN INVESTMENT STRATEGY IR LTD.

BY: ARES ENHANCED LOAN MANAGEMENT IR, L.P.,  
AS PORTFOLIO MANAGER

BY: ARES ENHANCED LOAN IR GP, LLC, ITS GENERAL  
PARTNER

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Ares Institutional Credit Fund, LP

By: Ares Institutional Credit GP LLC, its general partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Ares Institutional Loan Fund B.V.

BY: Ares Management Limited, as manager

By:     /s/ Daniel Hayward                                

Name: Daniel Hayward

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/ Daniel Hayward      

Name: Daniel Hayward

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/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Ares Senior Loan Trust

BY: Ares Senior Loan Trust Management, L.P., Its Investment  
Adviser

By: Ares Senior Loan Trust Management, LLC, Its General  
Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES STRATEGIC INVESTMENT PARTNERS (L) LTD.

BY: ARES STRATEGIC INVESTMENT MANAGEMENT  
LLC, AS ITS MANAGER

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Ares XL CLO Ltd.

By: Ares CLO Management II LLC, its asset manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Ares XLI CLO Ltd.

By: Ares CLO Management II LLC, as Asset Manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXIV CLO LTD.

BY: ARES CLO MANAGEMENT XXIV, L.P., ITS ASSET  
MANAGER

BY: ARES CLO GP XXIV, LLC, ITS GENERAL PARTNER

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXIX CLO LTD.

By: Ares CLO Management XXIX, L.P., its Asset Manager

By: Ares CLO GP XXIX, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXV CLO LTD.

BY: Ares CLO Management XXV, L.P., its Asset Manager

By: Ares CLO GP XXV, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXVI CLO LTD.

BY: Ares CLO Management XXVI, L.P., its Collateral  
Manager

By: Ares CLO GP XXVI, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

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 XXVII, L.P., its Asset Manager

By: Ares CLO GP XXVII, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXVIII CLO LTD.

By: Ares CLO Management XXVIII, L.P., its Asset Manager

By: Ares CLO GP XXVIII, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ARES XXX CLO LTD.

By: Ares CLO Management XXX, L.P., its Asset Manager

By: Ares CLO GP XXX, LLC, its General Partner

By: /s/ Daniel Hayward

Name: Daniel Hayward

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/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Ares XXXII CLO Ltd.

By: Ares CLO Management XXXII, L.P., its Asset Manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Ares XXXIII CLO Ltd.

By: Ares CLO Management XXXIII, L.P., its Asset Manager

By:     /s/ Daniel Hayward    

Name: Daniel Hayward

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/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Ares XXXIX CLO Ltd.

By: Ares CLO Management II LLC, its asset manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

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/ Daniel Hayward

Name: Daniel Hayward

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/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Ares XXXVIII CLO Ltd.

By: Ares CLO Management II LLC, its asset manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Argo Re Ltd.

By: Oaktree Capital Management, L.P.  
Its: Investment Manager

By: /s/ Peter Deschner

Name: Peter Deschner

Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott

Name: Regan Scott

Title: Managing Director

**Name of Institution:** Argonaut Insurance Company

By: Oaktree Capital Management, L.P.  
Its: Investment Manager

By: /s/ Peter Deschner

Name: Peter Deschner

Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott

Name: Regan Scott

Title: Managing Director

**Name of Institution:** Arrowpoint CLO 2013-1, LTD.

By: /s/ Sanjai Bhonsle

Name: Sanjai Bhonsle

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:



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**Name of Institution:** Arrowpoint CLO 2014-3, LTD.

By:         /s/ Sanjai Bhonsle  

Name: Sanjai Bhonsle

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Arrowpoint CLO 2015-4, Ltd.

By: Arrowpoint Asset Management, LLC  
As Collateral Manager

By: /s/ Sanjai Bhonsle

Name: Sanjai Bhonsle

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Ascension Alpha Fund, LLC

By: Pioneer Institutional Asset Management, Inc.  
As its adviser

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:

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**Name of Institution:** Ascension Health Master Pension Trust

By: Pioneer Institutional Asset Management, Inc.  
As its adviser

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:** Associated Electric & Gas Insurance Services Limited

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:** Associated Electric & Gas Insurance Services Limited

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:** 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 III, Ltd.

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**Name of Institution:** ATLAS SENIOR LOAN FUND IV, LTD.

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**Name of Institution:** ATLAS SENIOR LOAN FUND V, LTD.

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**Name of Institution:** ATLAS SENIOR LOAN FUND VI, LTD.

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**Name of Institution:** ATLAS SENIOR LOAN FUND VII, LTD.

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**Name of Institution:** ATRIUM IX

By: Credit Suisse Asset Management, LLC, as portfolio  
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:** Atrium X

BY: By: Credit Suisse Asset Management, LLC, as portfolio  
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:** ATRIUM XI

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** Atrium XII

By: Credit Suisse Asset Management, LLC, as portfolio  
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:** AUSTRALIANSUPER

By: Credit Suisse Asset Management, LLC, as sub- advisor to  
Bentham Asset Management Pty Ltd. in its capacity as agent  
of and investment manager for AustralianSuper Pty Ltd. in its  
capacity as trustee of AustralianSuper

By: /s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Automobile Club of Southern California Life Insurance Company

By: /s/ Colin Donlan

Name: Colin Donlan

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:** Avery Point II 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:** Avery Point III 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:** Avery Point IV 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:

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Title:



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**Name of Institution:** Avery Point V 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:** Avery Point VI 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:** 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: AXA IM Paris SA for and on behalf of**

**FCP Columbus Diversified Leveraged Loans Fund**  
**FCP Columbus Global Debt Fund**  
**AXA Germany Leveraged Loans Fund**  
**AXA UK Leveraged Loans Fund**  
**FCP ACM US Loans Fund**  
**FCP Sogecap Diversified Loans Fund**  
**Matignon Derivatives Loans**  
**AXA IM Loan Limited Matignon Loans Fund**  
**Matignon Loans IARD fund**  
**Matignon Leveraged Loans Limited**

by /s/ Xavier Boucher

\_\_\_\_\_  
Name: AXA Investment Managers Paris S.A.

Title: Xavier Boucher

Senior Portfolio Manager



**Name of Institution:** BA/CSCREDIT 1 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:

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**Name of Institution:** BARINGS GLOBAL CREDIT INCOME OPPORTUNITIES FUND, a series of  
Barings Funds Trust  
By: Barings LLC as Investment Manager

By /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

The foregoing is executed on behalf of Barings Global Credit Income Opportunities Fund, a series of Barings Funds Trust, organized under an Agreement and Declaration of Trust dated May 3, 2013, as amended from time to time. The obligations of such series Trust are not personally binding upon, nor shall resort be had to the property of, any of the Trustees, shareholders, officers, employees or agents of such Trust, or any other series of the Trust but only the property and assets of the relevant series Trust shall be bound.

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**Name of Institution:** BAE SYSTEMS 2000 PENSION PLAN TRUSTEES LIMITED

BY: Oak Hill Advisors, L.P., as 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:** BAE SYSTEMS PENSION FUNDS CIF TRUSTEES LIMITED

BY: Oak Hill Advisors, L.P., as 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:** 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 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:**

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**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:** Bandera Strategic Credit Partners I, LP

By: Highland Capital Management, L.P., As Investment  
Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Bank of America, NA.

by /s/ Tracey- Ann Scarlett

\_\_\_\_\_  
Name: Tracey-Ann Scarlett  
Title: Assistant Vice President

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**Name of Institution: BARCLAYS BANK PLC**

By /s/ Ashley Berry

Name: Ashley Berry

Title: Authorized Signatory



**Name of Institution:** Barnabas Health Retirement Income Plan

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:** Battalion CLO IV Ltd.

BY: BRIGADE CAPITAL MANAGEMENT LP As Collateral  
Manager

By: /s/ James Keogh

Name: James Keogh

Title: Operations Manager

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Battalion CLO IX Ltd.

By: Brigade Capital Management, LP as Collateral Manager

By:     /s/ James Keogh    

Name: James Keogh

Title: Operations Manager

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/ James Keogh

Name: James Keogh

Title: Operations Manager

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Battalion CLO VI Ltd.

By: Brigade Capital Management, LP as Collateral Manager

By: /s/ James Keogh

Name: James Keogh

Title: Operations Manager

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/ James Keogh

Name: James Keogh

Title: Operations Manager

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/ James Keogh

Name: James Keogh

Title: Operations Manager

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/ James Keogh

Name: James Keogh

Title: Operations 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/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BayernInvest Kapitalanlagegesellschaft mbH for BayernInvest Alternative Loan-Fonds

BY: 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: Beachhead Credit Opportunities LLC**

by /s/ Christine Woodhouse  
Name: Christine Woodhouse  
Title: General Counsel

For any institution requiring a second signature line:

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

**Name of Institution: Beachhead Special Opportunities LLC**

by /s/ Christine Woodhouse  
Name: Christine Woodhouse  
Title: General Counsel

For any institution requiring a second signature line:

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

**Name of Institution:** Beazley Furlonge Limited

BY: Beazley Furlonge Limited, as managing agent of  
Syndicate 2623, 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:

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**Name of Institution:** Benefit Street Partners CLO I, 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 III, 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 IV, 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 IX, Ltd.

By: /s/ Todd Marsh

Name: Todd Marsh

Title: Authorized Signer

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Benefit Street Partners CLO V, 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 VI, 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 VII, 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 X, 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 XI, 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 WHOLESALE SYNDICATED LOAN FUND

By: Credit Suisse Asset Management, LLC, as agent  
(sub-advisor) for Challenger Investment Services Limited, the  
Responsible Entity for Bentham Wholesale 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:** Betony CLO, Ltd.

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

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:** Black Diamond CLO 2006-1 (Cayman) LTD.

BY: Black Diamond CLO 2006-1 Adviser, L.L.C. As its  
Collateral Manager

By: /s/ Stephen H. Deckoff

Name: Stephen H. Deckoff

Title: Managing Principal

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Black Diamond CLO 2013-1 Ltd.

By: Black Diamond CLO 2013-1 Adviser, L.L.C. As its  
Collateral Manager

By: /s/ Stephen H. Deckoff

Name: Stephen H. Deckoff

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Black Diamond CLO 2014-1 Ltd.

By: Black Diamond CLO 2014-1 Adviser, L.L.C. As its  
Collateral Manager

By: /s/ Stephen H. Deckoff

Name: Stephen H. Deckoff

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Black Diamond CLO 2016-1 Ltd.

By: Black Diamond CLO 2016-1 Adviser, L.L.C. As its  
Collateral Manager

By: /s/ Stephen H. Deckoff

Name: Stephen H. Deckoff

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution: BLACK DIAMOND OFFSHORE, LTD.**

by /s/ Nestor Dominguez

Name: Nestor Dominguez

Title: Portfolio Manager

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 Defined Opportunity Credit 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 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:

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**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 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:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** Blackstone GSO U.S. Loan Funding Limited

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 HARRINGTON PARTNERS L.P.

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:** BLACKSTONE TREASURY ASIA PTE. LTD.

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:** BLACKSTONE TREASURY SOLUTIONS MASTER FUND L.P.

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:** Blackstone / GSO Secured Trust Ltd.

BY: GSO / Blackstone Debt Funds Management LLC as  
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:** Blue Cross and Blue Shield of Florida, Inc.

BY: Guggenheim Partners Investment Management, LLC as  
Manager

By: /s/ Kaitin 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:** 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 Goudelias

Name: George Goudelias

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Blue Hill CLO, Ltd.

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueBay Global Multi-Asset Credit Investments (Luxembourg) S.A.

BlueBay Asset Management LLP acting as agent for: BlueBay  
Global Multi-Asset Credit Investments (Luxembourg) S.A.

By: /s/ Kevin Webb

Name: Kevin Webb

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueBay Structured Funds: Global High Income Loan Fund

BlueBay Asset Management LLP acting as agent for: BlueBay  
Structured Funds: Global High Income Loan Fund

By:     /s/ Kevin Webb    

Name: Kevin Webb

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueCross BlueShield of Tennessee, Inc.

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:



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**Name of Institution:** BlueMountain CLO 2012-1 Ltd

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC,  
Its Collateral Manager

By:         /s/ Meghan Fornshell  

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

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AND RESTATED CREDIT AGREEMENT

**Name of Institution:** BlueMountain CLO 2012-2 Ltd

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC,  
Its Collateral Manager

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Bluemountain CLO 2013-1 LTD.

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC.  
ITS COLLATERAL MANAGER

By: /s/ Meghan Fornshell\_\_\_\_\_

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

Name of Institution: Bluemountain CLO 2013-2 LTD.

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC.  
ITS COLLATERAL MANAGER

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Bluemountain CLO 2013-3 Ltd.

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC.  
ITS COLLATERAL MANAGER

By:       /s/ Meghan Fornshell      

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Bluemountain CLO 2013-4 Ltd.

BY: BLUEMOUNTAIN CAPITAL MANAGEMENT, LLC.  
ITS COLLATERAL MANAGER

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueMountain CLO 2014-1 Ltd

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueMountain CLO 2014-2 Ltd

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** BlueMountain CLO 2014-3 Ltd.

By: BlueMountain Capital Management, LLC

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueMountain CLO 2014-4 Ltd

**BY:** BlueMountain Capital Management

**By:** /s/ Meghan Fornshell

**Name:** Meghan Fornshell

**Title:** Operations Analyst

For any institution requiring a second signature line:

**By:**

**Name:**

**Title:**

**Name of Institution:** BlueMountain CLO 2015-1 Ltd

BlueMountain Capital Management, its Collateral Manager

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** BlueMountain CLO 2015-2, Ltd.

By: BlueMountain Capital Management, LLC

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueMountain CLO 2015-3 Ltd

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** BlueMountain CLO 2016-1, Ltd.

BlueMountain Capital Management, LLC

By:         /s/ Meghan Fornshell        

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

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**Name of Institution:** BlueMountain CLO 2016-2, Ltd.

BlueMountain Capital Management, LLC

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** BlueMountain CLO 2016-3 Ltd

By: /s/ Meghan Fornshell

Name: Meghan Fornshell

Title: Operations Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BlueMountain Fuji US CLO I, Ltd.

**By:** BlueMountain Fuji Management, LLC, Series A

**By:** /s/ Meghan Fornshell

**Name:** Meghan Fornshell

**Title:** Operations Analyst

For any institution requiring a second signature line:

**By:**

**Name:**

**Title:**

**Name of Institution: BMO FLOATING RATE INCOME FUND**

by /s/ Daniel Brennand  
Name: Daniel Brennand  
Title: Vice President

For any institution requiring a second signature line:

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

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

by /s/ Dennis Tian

Name: Dennis Tian

Title: Portfolio Manager

For any institution requiring a second signature line:

by /s/ Javier Peres Diaz

Name: Javier Peres Diaz

Title: Portfolio Manager

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

by /s/ Dennis Tian

Name: Dennis Tian

Title: Portfolio Manager

For any institution requiring a second signature line:

by /s/ Javier Peres Diaz

Name: Javier Peres Diaz

Title: Portfolio Manager

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

by /s/ Dennis Tian

Name: Dennis Tian

Title: Portfolio Manager

For any institution requiring a second signature line:

by /s/ Javier Peres Diaz

Name: Javier Peres Diaz

Title: Portfolio Manager

**Name of Institution: BNPP IP CLO 2014-1, Ltd.**

By /s/ Vanessa Ritter

Name: Vanessa Ritter

Title: Portfolio Manager

For any institution requiring a second signature line:

By \_\_\_\_\_

Name:

Title:

**Name of Institution: BNPP IP CLO 2014-II, Ltd.**

By /s/ Vanessa Ritter \_\_\_\_\_

Name: Vanessa Ritter

Title: Portfolio Manager

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:



**Name of Institution:** BOC Pension Investment Fund

BY: Invesco Senior Secured Management, Inc. as Attorney in  
Fact

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Bowman 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:** Bridgeport CLO II Ltd.

By: Deerfield Capital Management LLC, its Collateral  
Manager

By: /s/ Elizabeth Chow

Name: Elizabeth Chow

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

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Title:

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**Name of Institution:** Bristol Park CLO, Ltd

By: /s/ Thomas Iannarone

Name: Thomas Iannarone

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Bronco Trading, LLC

By:  /s/ Karen Weich

Name: Karen Weich

Title: Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** BRYCE FUNDING

By:           /s/ Madonna Sequeira          

Name: Madonna Sequeira

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Burnham 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:** California Public Employees' Retirement System

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

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:** California Street CLO XI, Limited Partnership

BY: Symphony Asset Management LLC

By: /s/ scott caraher

Name: scott caraher

Title: portfolio manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** CANARAS SUMMIT CLO LTD.

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:** Canyon Capital CLO 2006-1, Ltd.

BY: Canyon Capital Advisors LLC, its Asset 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 2012-1 Ltd.

BY: Canyon Capital Advisors, its Asset 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 2014-1, Ltd.

BY: Canyon Capital Advisors LLC, Its Asset 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 Asset 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,  
a Delaware limited liability company,  
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 2016-2, Ltd.

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:

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**Name of Institution:** Carlyle Daytona CLO, 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 2012-2, Ltd.

By: /s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

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AND RESTATED CREDIT AGREEMENT

**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 2013-4, Ltd.

By: /s/ Linda Pace

Name: Linda Pace  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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:





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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

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:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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:

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TRANSDIGM INC. SECOND AMENDED  
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**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:

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TRANSDIGM INC. SECOND AMENDED  
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**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:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**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:



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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** Carlyle High Yield Partners X, 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 McLaren CLO, Ltd.

By: /s/ Linda Pace

Name: Linda Pace

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

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**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:** Catamaran CLO 2012-1 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 2013-1 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 2014-1 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: CATHAY BANK**

by /s/ Nancy A. Moore  
Name: Nancy A. Moore  
Title: Senior Vice President

For any institution requiring a second signature line:

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

**Name of Institution: CATHEDRAL LAKE CLO 2013, LTD.**

by /s/ Nestor Dominguez

Name: Nestor Dominguez

Title: Portfolio manager

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution: CATHEDRAL LAKE III, LTD.**

by /s/ Nestor Dominguez

Name: Nestor Dominguez

Title: Portfolio manager

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution: CATHEDRAL LAKE IV, LTD.**

by /s/ Nestor Dominguez

Name: Nestor Dominguez

Title: Portfolio manager

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:** Cavalry CLO II

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:** Cavalry CLO III, Ltd.

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:** Cavalry CLO IV, Ltd.

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: **BEAN CREEK CLO, LTD.**

by /s/ Zack Sizemore  
Name: Zack Sizemore  
Title: Authorized Signor

For any institution requiring a second signature line:

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

**Name of Institution: CEDAR CREEK CLO, LTD.**

by /s/ Zack Sizemore  
Name: Zack Sizemore  
Title: Authorized Signor

For any institution requiring a second signature line:

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

**Name of Institution: CLEAR CREEK CLO, LTD.**

by /s/ Zack Sizemore  
Name: Zack Sizemore  
Title: Authorized Signor

For any institution requiring a second signature line:

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

Name of Institution: **MILL CREEK CLO II, LTD.**

by /s/ Zack Sizemore  
Name: Zack Sizemore  
Title: Authorized Signor

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

Name of Institution: **SILVER CREEK CLO, LTD.**

by /s/ Zack Sizemore  
Name: Zack Sizemore  
Title: Authorized Signor

For any institution requiring a second signature line:

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

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Name of Institution: Cedar Funding II CLO Ltd

By: /s/ Annette Okumu

Name: Annette Okumu

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Cedar Funding III CLO, Ltd.

By: /s/ Annette Okumu

Name: Annette Okumu

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cedar Funding IV CLO, Ltd.

By: /s/ Annette Okumu

Name: Annette Okumu

Title: Authorized Signatory

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/ Annette Okumu

Name: Annette Okumu

Title: Authorized Signatory

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/ Annette Okumu

Name: Annette Okumu

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CDO 12 Limited

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CDO 14 Limited

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CDO 15 Limited

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 16, L.P.

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Cent CLO 17 Limited

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 18 Limited

BY: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 19 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 20 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 21 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 22 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 23 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cent CLO 24 Limited

By: Columbia Management Investment Advisers, LLC As  
Collateral Manager

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Centennial Bank

By: /s/ Mark Bernstein

Name: Mark Bernstein

Title: Senior Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution: CFIP CLO 2013-1, Ltd.,**

by Chicago Fundamental Investment Partners,  
LLC, as Investment Manager for CFIP  
CLO 2013-1, Ltd.,  
\_\_\_\_\_

by /s/ David C. Dieffenbacher  
\_\_\_\_\_

Name: David C. Dieffenbacher

Title: Principal & Portfolio Manager

**Name of Institution: CFIP CLO 2014-1, Ltd.,**

by Chicago Fundamental Investment Partners, LLC, as  
Investment Manager for CFIP CLO 2014-1, Ltd.,

by /s/ David C. Dieffenbacher

Name: David C. Dieffenbacher

Title: Principal & Portfolio Manager

**Name of Institution:** Chevron Master Pension Trust

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:** 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 Bermuda Insurance Ltd

By: /s/ Jeffrey Smith

Name: Jeffrey Smith

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Chubb Tempest Reinsurance Ltd.

by KKR Credit Advisors (US) LLC

By: /s/ Jeffrey Smith

Name: Jeffrey Smith

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** CIFIC Funding 2007-II, Ltd.

**BY:** CIFIC 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:** CIFIC Funding 2007-III, Ltd.

BY: CIFIC 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:

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**Name of Institution:** CIFC Funding 2012-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:

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AND RESTATED CREDIT AGREEMENT

**Name of Institution:** CIFC Funding 2012-III, 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:

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AND RESTATED CREDIT AGREEMENT

**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:

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AND RESTATED CREDIT AGREEMENT

**Name of Institution:** CIFIC Funding 2013-II, Ltd.

By: CIFIC 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:



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**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:** CIFIC Funding 2014-IV, Ltd

**BY:** CIFIC 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-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 Interim Funding IX, 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 Interim Funding X, Ltd.

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: CIT Bank, N.A.**

by           /s/ Christopher Mongeluzzi          

Name: Christopher Mongeluzzi

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:** Citi Loan Funding GCPH TRS 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 Saguenay LLC

By:       /s/ Luke Newcomb      

Name: Luke Newcomb

Title: Attorney-in-Fact

For any institution requiring a second signature line:

By:

Name:

Title:

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

by /s/ Akshay Kulkarni

Name: Akshay Kulkarni

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:** City National Rochdale Fixed Income Opportunities Fund

By: Seix Investment Advisors LLC, as Subadviser

By: /s/ George Goudelias

Name: George Goudelias

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** City of Birmingham Employees Retirement System

As: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the City of Birmingham Employees Retirement System,  
account number 1055053189

By:           /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** City of Birmingham Retiree Health Care Fund

As: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the City of Birmingham Retiree Health Care Fund, account  
number 1055053214

By: /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** City of New York Group Trust  
**By:** GoldenTree Asset Management, LP

by /s/ Karen Weber

\_\_\_\_\_  
Name: Karen Weber

Title: Director – Bank Debt

**Name of Institution: GT Loan Financing I, Ltd.**  
**By: GoldenTree Asset Management, LP**

by /s/ Karen Weber

\_\_\_\_\_  
Name: Karen Weber

Title: Director – Bank Debt

**Name of Institution:**    **The University of Chicago**  
                                  **By: GoldenTree Asset Management, LP**

by /s/ Karen Weber

\_\_\_\_\_  
Name: Karen Weber

Title: Director – Bank Debt

**Name of Institution:** Swiss Capital Pro Loan III Pie  
**By:** GoldenTree Asset Management, LP

by /s/ Karen Weber

\_\_\_\_\_  
Name: Karen Weber

Title: Director – Bank Debt

**Name of Institution: Stellar Performer Global Series: Series G – Global  
Credit By: GoldenTree Asset Management, LP**

by /s/ Karen Weber

Name: Karen Weber

Title: Director – Bank Debt

**Name of Institution:** **Health Net of California, Inc.**  
**By: GoldenTree Asset Management, LP**

by /s/ Karen Weber

Name: Karen Weber

Title: Director – Bank Debt



**Name of Institution:** City of New York Group Trust

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** City of New York Group Trust

By: /s/ Benjamin Fandinola

Name: Benjamin Fandinola

Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:

Name:

Title:

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**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:** City of Southfield Fire and Police Retirement System

BY: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the City of Southfield Fire and Police Retirement System,  
account number 17-31469/FFS02

By: /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

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**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:

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**Name of Institution:** CLOCKTOWER US SENIOR LOAN FUND, a series trust of MYL Global Investment Trust

By: Credit Suisse Asset Management, LLC, the investment  
manager for Brown Brothers Harriman Trust Company  
(Cayman) Limited, the Trustee for Clocktower US Senior  
Loan Fund, a series trust of MYL Global Investment Trust

By: /s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** AMBITION TRUST 2009  
By: Barings LLC as Investment Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director

**Name of Institution:** AMBITION TRUST 2011  
By: Barings LLC as Investment Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CAPITAL FLOATING RATE INCOME MASTER FUND . L.P.  
By: Barings LLC as Investment Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director

**Name of Institution:** CITY OF NEW YORK GROUP TRUST  
By: Barings LLC as Investment Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BARINGS GLOBAL LOAN LIMITED  
By: Barings LLC as Sub-Investment Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2015-II  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
\_\_\_\_\_  
Name: Chad Campbell  
Title: Director



**Name of Institution:** BABSON CLO LTD. 2013-I  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2014-I  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2014-II  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2014-III  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2015-I  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD. 2016-I  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BARINGS CLO LTD. 2016-III  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BEL-AIR LOAN FUND LLC  
By: Barings LLC as Investment Adviser

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BARINGS GLOBAL HIGH YIELD CREDIT STRATEGIES LIMITED  
By: Barings LLC as Investment Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** SWISS CAPITAL PRO LOAN VI PLC  
By: Barings LLC as Sub-Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY  
By: Barings LLC as Investment Adviser

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** C.M. LIFE INSURANCE COMPANY  
By: Barings LLC as Investment Adviser

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** MAPLES TRUST SERVICES (CAYMAN) LIMITED, solely in its capacity as trustee of BARINGS SENIOR LOAN TRUST  
By: Barings LLC as Investment Adviser

by /s/ Chad Campbell \_\_\_\_\_  
Name: Chad Campbell  
Title: Director

The foregoing is executed on behalf of the Barings Senior Loan Trust, organized under a Declaration of Trust dated as of May 23, 2013, as amended from time to time. The obligations of such Trust are not personally binding upon, nor shall resort be had to the property of the Trustee. The total liability of the Trustee shall be limited to the amount of the trust property.

**Name of Institution:** BROWN BROTHERS HARRIMAN TRUST COMPANY (CAYMAN) LIMITED acting solely in its capacity as Trustee of BARINGS LOAN FUND SERIES 3 a Series Trust of Multi Manager Global Investment Trust  
By: Barings LLC as Investment Manager and Attorney-in-fact

by /s/ Chad Campbell \_\_\_\_\_  
Name: Chad Campbell  
Title: Director

The foregoing is executed on behalf of the Barings Loan Fund Series 3, organized under a Supplemental Declaration of Trust dated as of October 19, 2016, as amended from time to time. The obligations of such Trust are not personally binding upon, nor shall resort be had to the property of the Trustee. The total liability of the Trustee shall be limited to the amount of the trust property.

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**Name of Institution:** UNIVERSAL-INVESTMENT-GESELLSCHAFT MBH on behalf and on account of BAYVK R1-Fonds Segment BAYVK R1-Fonds BARINGS  
acting by its attorney BARINGS LLC  
acting by:

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** UNIVERSAL-INVESTMENT-GESELLSCHAFT MBH on behalf and on account of BAYVK R2-Fonds Segment BAYVK R2-Fonds BARINGS  
acting by its attorney BARINGS LLC  
acting by:

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director

**Name of Institution:** BABSON CLO LTD . 2016-II  
By: Barings LLC as Collateral Manager

by /s/ Chad Campbell  
Name: Chad Campbell  
Title: Director



**Name of Institution: Coastal States Bank**

by /s/ Roseanne E. Sims  
Name: Roseanne E. Sims  
Title: VP, Underwriting Manager

For any institution requiring a second signature line:

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



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**Name of Institution:** Cole 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:

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**Name of Institution:** Columbia Floating Rate Fund, a series of Columbia Funds Series Trust II

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Columbia Funds Variable Series Trust II - Variable Portfolio - Eaton Vance Floating-Rate Income Fund

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:** Columbia Strategic Income Fund, a series of Columbia Funds Series Trust I

By: /s/ Steven B. Staver

Name: Steven B. Staver

Title: Assistant Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution: Commerzbank AG, New York Branch**

by /s/ Michael J. Briganti

Name: Michael J. Briganti

Title: Vice President

For any institution requiring a second signature line:

by /s/ Janet Wolff

Name: Janet Wolff

Title: Director

**Name of Institution:** Commission de la Caisse commune

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:** Commonwealth of Massachusetts Employees Deferred Compensation Plan

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:** COMMONWEALTH OF PENNSYLVANIA TREASURY DEPARTMENT

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

By: /s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

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:

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**Name of Institution: Covenant Credit Partners CLO II, Ltd.**

by /s/ Christopher Brogdon \_\_\_\_\_

Name: Christopher Brogdon

Title: Asst. PM

**Credit Agricole Corporate and Investment Bank**

by /s/ Michael Madrick

Name: Michael Madrick  
Title: Managing Director

by /s/ Gordon Yip

Name: Gordon Yip  
Title: Director

**Name of Institution: Credit Industriel et Commercial, New York Branch**

by /s/ Gary Weiss

Name: Gary Weiss

Title: Managing Director

by /s/ Clifford Abramsky

Name: Clifford Abramsky

Title: Managing Director

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

by /s/ Robert Hetu

Name: Robert Hetu  
Title: Authorized Signatory

by /s/ Warren Van Heyst

Name: Warren Van Heyst  
Title: Authorized Signatory

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as  
Agent

by /s/ Robert Hetu

Name: Robert Hetu

Title: Authorized Signatory

by /s/ Warren Van Heyst

Name: Warren Van Heyst

Title: Authorized Signatory

**Name of Institution:** Credit Suisse Floating Rate Trust

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

By: /s/ Thomas Flannery

Name: Thomas Flannery

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:



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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)

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:

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**Name of Institution:** CREDIT SUISSE SENIOR LOAN INVESTMENT UNIT TRUST (for Qualified Institutional Investors Only)

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:** Credos Floating Rate Fund LP

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:

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**Name of Institution:** TIAA-CREF Investment Management, LLC, on behalf of College Retirement Equities Fund Bond Market Account

By: /s/ Anders Persson

Name: Anders Persson

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Crestline Denali CLO XIV, LTD.

By: Crestline Denali Capital, L.P., collateral manager for  
Crestline Denali CLO XIV, LTD.

By: /s/ Kelli Marti

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Crestline Denali CLO XV, Ltd.

By: Crestline Denali Capital, L.P., collateral manager for  
Crestline Denali CLO XV, Ltd.

By: /s/ Kelli Marti

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:





**Name of Institution:** Crown Point CLO III, Ltd.

by Valcour Capital Management LLC, as its Collateral  
Manager

By: /s/ John D'Angelo

Name: John D'Angelo

Title: Sr. Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** CSAA Insurance Exchange

By: Oaktree Capital Management, L.P.  
Its: Investment Manager

By: /s/ Peter Deschner

Name: Peter Deschner  
Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott

Name: Regan Scott  
Title: Managing Director

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**Name of Institution:** CSAA Insurance Exchange

By: /s/ Benjamin Fandinola

Name: Benjamin Fandinola

Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Cumberland 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: Cutwater 2014-II, Ltd.**  
(by Cutwater Investor Services Corp. as Collateral Manager)

by /s/ John Bluemke  
Name: John Bluemke  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Cutwater 2015-I, Ltd.**  
(by Cutwater Investor Services Corp. as Collateral Manager)

by /s/ John Bluemke  
Name: John Bluemke  
Title: Authorized Signatory

For any institution requiring a second signature line:

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



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**Name of Institution:** CVP Cascade CLO-2 Ltd.

BY: Credit Value Partners, LP, as Investment Manager

By:         /s/ Joseph Matteo                

Name: Joseph Matteo

Title: Partner

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** CVP Cascade CLO-3 Ltd.

By: CVP CLO Manager, LLC as Investment Manager

By: /s/ Joseph Matteo

Name: Joseph Matteo

Title: Partner

For any institution requiring a second signature line:

By:

Name:

Title:

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**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:** DaVinci Reinsurance 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:** Delaware Diversified Income Trust

By: /s/ Adam Brown

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Delaware Group Advisor Funds- Delaware Diversified Income Fund

By: /s/ Adam Brown

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Delaware Group Foundation Funds- Delaware Foundation Conservative Allocation Fund

By:     /s/ Adam Brown    

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Delaware Group Foundation Funds - Delaware Foundation Moderate Allocation Fund

By: /s/ Adam Brown

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Delaware Group Income Funds-Delaware Diversified Floating Rate Fund

By:         /s/ Adam Brown  

Name: Adam Brown  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**Name of Institution:** Delaware Group Limited-Term Government Funds - Delaware Limited Term Diversified Income Fund

By: /s/ Adam Brown

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Delaware Life Insurance Company

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

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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**Name of Institution:** Delaware VIP Trust - Delaware VIP Diversified Income Series

By: /s/ Adam Brown

Name: Adam Brown

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** DENALI CAPITAL CLO VII, LTD.

BY: DC Funding Partners LLC, portfolio manager (or as  
applicable collateral manager) for  
DENALI CAPITAL CLO VII, LTD.

By: /s/ Kelli Marti

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** DENALI CAPITAL CLO X, LTD.

BY: DC Funding Partners LLC, portfolio manager (or as  
applicable collateral manager) for DENALI CAPITAL CLO X,  
LTD.

By: /s/ Kelli Marti

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** DENALI CAPITAL CLO XI, LTD.

BY: Crestline Denali Capital, L.P., collateral manager for  
DENALI CAPITAL CLO XI, LTD.

By:       /s/ Kelli Marti      

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Denali Capital CLO XII, Ltd.

BY: Crestline Denali Capital, L.P., collateral manager for  
DENALI CAPITAL CLO XII, LTD.

By: /s/ Kelli Marti

Name: Kelli Marti

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Desjardins Floating Rate 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:



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**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:

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**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

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**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/ Howard Lee \_\_\_\_\_

Name: Howard Lee

Title: Assistant Vice President

**Name of Institution:** Deutsche Enhanced Commodity Strategy Fund

By: Deutsche Investment Management Americas Inc.  
Investment Advisor

By: /s/ Azeem Haider

Name: Azeem Haider

Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby

Title: Director, Portfolio Manager

**Name of Institution:** Deutsche Floating Rate Fund

BY: Deutsche Investment Management Americas Inc.  
Investment Advisor

By: /s/ Azeem Haider

Name: Azeem Haider

Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby

Title: Director, Portfolio Manager

**Name of Institution:** Deutsche Global Income Builder Fund

BY: Deutsche Investment Management Americas Inc.  
Investment Advisor

By: /s/ Azeem Haider

Name: Azeem Haider

Title: Vice President

For any institution requiring a second signature line:

By: /s/ Cynthia Sumner

Name: Cynthia Sumner

Title: Vice President

**Name of Institution:** Deutsche Multi Market Income Trust

BY: Deutsche Investment Management Americas Inc.  
Investment Advisor

By: /s/ Azeem Haider

Name: Azeem Haider

Title: Vice President

For any institution requiring a second signature line:

By: /s/ Cynthia Sumner

Name: Cynthia Sumner

Title: Vice President

**Name of Institution:** Deutsche Strategic Income Trust

BY: Deutsche Investment Management Americas Inc.  
Investment Advisor

By: /s/ Azeem Haider

Name: Azeem Haider

Title: Vice President

For any institution requiring a second signature line:

By: /s/ Cynthia Sumner

Name: Cynthia Sumner

Title: Vice President



**Name of Institution:** Diversified Credit Portfolio Ltd.

BY: Invesco Senior Secured Management, Inc. as Investment  
Adviser

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Diversified Real Asset CIT

By: Symphony Asset Management LLC

By: /s/ scott caraher

Name: scott caraher

Title: portfolio manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** DOLLAR SENIOR LOAN FUND, LTD.

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:** Doral CLO III Ltd.

By: /s/ Gibran Mahmud

Name: Gibran Mahmud

Title: Chief Investment Officer

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Dorchester 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: **DOUBLE BLACK DIAMOND OFFSHORE, LTD.**

By /s/ Nestor Dominguez \_\_\_\_\_

Name: Nestor Dominguez

Title: Portfolio Manager

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:**

Advanced Series Trust - AST Prudential Growth Allocation  
Portfolio By: PGIM, Inc., as Investment Advisor

by /s/ Brian Juliano  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden XXIV Senior Loan Fund

By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano

\_\_\_\_\_  
Name: Brian Juliano

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:



**Name of Institution:**

Dryden XXV Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden XXVI Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano  
\_\_\_\_\_  
Name: Brian Juliano  
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/ Brian Juliano  
\_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 30 Senior Loan Fund

By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano

\_\_\_\_\_  
Name: Brian Juliano

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:**

Dryden 31 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 33 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 34 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano  
\_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 36 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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



**Name of Institution:**

Dryden 37 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 38 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

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**Name of Institution:**

Dryden 40 Senior Loan Fund

By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano

\_\_\_\_\_  
Name: Brian Juliano

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:**

Dryden 41 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Dryden 42 Senior Loan Fund  
By: PGIM, Inc., as Collateral Manager

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: 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/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
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/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
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/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
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/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Internationale Kapitalanlagegesellschaft mbH for account of  
GOTH LOANS

By: PGIM, Inc., as Fund Manager

by /s/ Brian Juliano

\_\_\_\_\_  
Name: Brian Juliano

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:**

North Dakota State Investment Board  
By: PGIM, Inc., as Investment Advisor

by /s/ Brian Juliano \_\_\_\_\_  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

North Dakota State Investment Board  
By: PGM, Inc., as Investment Advisor

by /s/ Brian Juliano  
Name: Brian Juliano  
Title: Vice President

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/ Brian Juliano  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

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Name of Institution:  
The Prudential Series Fund - Diversified Bond Portfolio By:  
PGIM, Inc., as Investment Advisor

by /s/ Brian Juliano  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:**

Prudential Bank Loan Fund of the Prudential Trust Company Collective Trust By: PGIM, Inc., as Investment Advisor

by /s/ Brian Juliano

Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

**Name of Institution:**

Pramerica Global Loan Opportunities Limited By: PGIM, Inc., as Investment Manager

by /s/ Brian Juliano  
Name: Brian Juliano  
Title: Vice President

For any institution requiring a second signature line:

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



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AND RESTATED CREDIT AGREEMENT

Name of Institution:  
Pramerica Loan Opportunities Limited By: PGIM, Inc., as Investment Manager

by /s/ Brian Juliano  
Brian Juliano  
vice President

For any institution requiring a second signature line:

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

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Name of Institution:

Leveraged Loan (JPY hedged) fund a Series Trust of Cayman World Invest Trust By: PGIM, Inc., as Investment Manager

by /s/ Brian Juliano

Name: Brian Juliano

Title: Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:** Duane Street CLO IV, Ltd.

By: Napier Park Global Capital (US) LP As Collateral  
Manager

By: /s/ Melanie Hanlon

Name: Melanie Hanlon  
Title: Managing Director

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:** EAF comPlan II - Private Debt

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:

**Name of Institution:** Eastern Band of Cherokee Indians

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the Eastern Brand of Cherokee Indians, account number  
17-12465

By: /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Eastland CLO, Ltd.

BY: Highland Capital Management, L.P., As Collateral  
Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**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**

**Chris Kappas**

**Managing Director**



**Eastspring Investments US Bank Loan Special Asset  
Mother Investment Trust [Loan Claim]  
By: PPM America, Inc., as Delegated Manager**

**By: /s/ Chris Kappas**

**Chris Kappas**

**Managing Director**

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**PPM GRAYHAWK CLO, TD**

**By: PPM America, Inc., as Collateral Manager**

**By: /s/ Chris Kappas**

**Chris Kappas**

**Managing Director**

**Name of Institution:** Eaton Vance Bank Loan Fund A Series Trust of Multi Manager Global 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 Bank Loan Fund Series II A Series Trust of Multi Manager Global 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 CDO VIII, Ltd.

BY: Eaton Vance Management as Investment Advisor

By: /s/ Michael Brothof

Name: Michael Brothof

Title: Vice President

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 Brothof

Name: Michael Brothof

Title: Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Eaton Vance CLO 2013-1 LTD.

BY: Eaton Vance Management  
Portfolio Manager

By: /s/ Michael Brotthof

Name: Michael Brotthof  
Title: Vice President

For any institution requiring a second signature line:

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Title:

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**Name of Institution:** Eaton Vance CLO 2014-1, Ltd.

BY: Eaton Vance Management  
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:** Eaton Vance CLO 2015-1 Ltd.

By: Eaton Vance Management  
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:** Eaton Vance Floating-Rate Income Plus Fund

BY: Eaton Vance Management as Investment Advisor

By: /s/ Michael Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof

Title: Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Eaton Vance Institutional Senior Loan 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 International (Cayman Islands) Floating-Rate Income Portfolio

BY: Eaton Vance Management as Investment Advisor

By: /s/ Michael Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof  
Title: Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Eaton Vance Loan Fund Series III A Series Trust of Multi Manager Global Investment Trust

By: Eaton Vance Management as Investment Advisor

By: /s/ Michael Brotthof

Name: Michael Botthof

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 Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof

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 Brothof

Name: Michael Brothof

Title: Vice President

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ECP CLO 2013-5, LTD

BY: Silvermine Capital Management

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 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:



**Name of Institution:** Electronic Data Systems Retirement Plan

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:** ORIX Corporate Capital Inc.

by /s/ David Maron  
Name: David Maron  
Title: Authorized Signatory

For any institution requiring a second signature line:

by NA  
Name  
Title:

**Name of Institution: ELM CLO 2014-1, Ltd.**

by /s/ David Maron  
Name: David Maron  
Title: Authorized Signatory

For any institution requiring a second signature line:

by NA  
Name:  
Title:

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

by: /s/ David Maron  
Name: David Maron  
Title: Authorized Signatory

For any institution requiring a second signature line:

by NA  
Name:  
Title:

Name of Institution: Mariner CLO 2016-3, LLC

by /s/ David Maron  
Name: David Maron  
Title: Authorized Signatory

For any institution requiring a second signature line:

by NA  
Name:  
Title:



**Name of Institution:** Elysium Limited

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:** Employees' Retirement System of the State of Hawaii

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the Employees' Retirement System of the State of Hawaii,  
account number 17-14428/HIE52

By: /s/ John Heitkemper

Name: John Heitkemper  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
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: 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:** 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 INDEMNITY COMPANY

By: Credit Suisse Asset Management, LLC., as 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:** 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: ERSTE GROUP BANK AG**

by /s/ Brandon A. Meyerson

\_\_\_\_\_  
Name: BRANDON A. MEYERSON  
Title: MANAGING DIRECTOR  
ERSTE GROUP BANK AG

For any institution requiring a second signature line:

by /s/ Bryan J. Lynch

\_\_\_\_\_  
Name: BRYAN J. LYNCH  
Title: SENIOR VICE PRESIDENT  
ERSTE GROUP BANK AG



**Name of Institution:** Federated Bank Loan Core Fund

By:         /s/ Steven Wagner    
Name: Steven Wagner  
Title: VP-Sr Analyst/Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** FedEx Corporation Employees' Pension Trust

BlueBay Asset Management LLP acting as agent for: FedEx  
Corporation Employees' Pension Trust

By: /s/ Kevin Webb

Name: Kevin Webb  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:



**Name of Institution:** FENGENCO - BV2 Qualified NDT

BY: Logan Circle Partners, LP as Investment Manager

By: /s/ Hume Najdawi  
Name: Hume Najdawi  
Title: Associate

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** FENGENCO - DB 1 Qualified NDT

BY: Logan Circle Partners, LP as Investment Manager

By: /s/ Hume Najdawi  
Name: Hume Najdawi  
Title: Associate

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** FENGENCO - Perry 1 Qualified NDT

BY: Logan Circle Partners, LP as Investment Manager

By: /s/ Hume Najdawi  
Name: Hume Najdawi  
Title: Associate

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution: Ballyrock CLO 2014-1 Limited**

**By: Ballyrock Investment Advisors LLC, as Collateral Manager**

by /s/ Lisa Rymut

\_\_\_\_\_  
Name: Lisa Rymut  
Title: Assistant Treasurer

For any institution requiring a second signature line:

by

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

**Name of Institution: Ballyrock CLO 2016-1 Limited**

**By: Ballyrock Investment Advisors LLC, as Collateral Manager**

by /s/ Lisa Rymut

\_\_\_\_\_  
Name: Lisa Rymut

Title: Assistant Treasurer

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution: Ballyrock CLO 2013-1 Limited**

**By: Ballyrock Investment Advisors LLC, as Collateral Manager**

by /s/ Lisa Rymut  
Name: Lisa Rymut  
Title: Assistant Treasurer

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Summer Street Trust: Fidelity High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Summer Street Trust: Fidelity Series High Income Fund**

by /s/ Jeffrey Christian \_\_\_\_\_  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Central Investment Portfolios LLC: Fidelity High Income Central Fund 2**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity American High Yield Fund**

**for Fidelity Investments Canada ULC as Trustee of Fidelity American High Yield Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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



**Name of Institution: Fidelity Advisor Series I: Fidelity Advisor Floating Rate High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Income Fund: Fidelity Total Bond Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Variable Insurance Products Fund: High Income Portfolio**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Central Investment Portfolios LLC: Fidelity Floating Rate Central Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Advisor Series I: Fidelity Advisor High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Central Investment Portfolios LLC: Fidelity High Income Central Fund 1**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Summer Street Trust: Fidelity Focused High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Central Investment Portfolios LLC: Fidelity Specialized High Income Central Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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



**Name of Institution: Fidelity Summer Street Trust: Fidelity Series Floating Rate High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Floating Rate High Income Investment Trust**

**for Fidelity Investments Canada ULC as Trustee of Fidelity Floating Rate High Income Investment Trust**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Summer Street Trust: Fidelity Short Duration High Income Fund**

by /s/ Jeffrey Christian \_\_\_\_\_  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Floating Rate High Income Fund**

**for Fidelity Investments Canada ULC as Trustee of Fidelity Floating Rate High Income Fund**

by /s/ Jeffrey Christian  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Variable Insurance Products Fund: Floating Rate High Income Portfolio**

by /s/ Jeffrey Christian \_\_\_\_\_  
Name: Jeffrey Christian  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: Advanced Series Trust-AST FI Pyramis Quantitative Portfolio**

**By: FIAM LLC as Investment Manager**

by /s/ David Censorlo \_\_\_\_\_  
Name: David Censorlo  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution: FIAM Floating Rate High Income Commingled Pool**

**By: Fidelity Institutional Asset Management Trust Company as Trustee**

by /s/ David Censorlo \_\_\_\_\_  
Name: David Censorlo  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution: FIAM Leveraged Loan, LP**

**By: FIAM LLC as Investment Manager**

by /s/ David Censorio \_\_\_\_\_  
Name: David Censorio  
Title: Vice President

For any institution requiring a second signature line:

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



**Name of Institution: FIAM High Yield Bond Commingled Pool**

**By: Fidelity Institutional Asset Management Trust Company as Trustee**

by /s/ David Censorio \_\_\_\_\_  
Name: David Censorio  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution: Fidelity Qualifying Investor Fund Pie**

**By: FIAM LLC as Sub Advisor**

by /s/ David Censorio \_\_\_\_\_  
Name: David Censorio  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:** Figueroa CLO 2013-1, Ltd.

BY: TCW Asset Management Company as Investment  
Manager

By: /s/ Bibi Khan  
Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan  
Name: Nora Olan  
Title: Senior Vice President



**Name of Institution:** Figueroa CLO 2014-1, Ltd.

BY: TCW Asset Management Company as Investment  
Manager

By: /s/ Bibi Khan  
Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan  
Name: Nora Olan  
Title: Senior Vice President

**Name of Institution:** Finn Square 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:** 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 Investors Floating Rate Fund

by /s/ Alfredo Ferrandes  
Name: Alfredo Ferrandes  
Title: Sr. Acct.

For any institution requiring a second signature line:

by /s/ Rumoapee Alem  
Name: Rumoapee Alem  
Title: S. Accountant

**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:** First Energy Corp. System Master Retirement Trust

By: BRIGADE CAPITAL MANAGEMENT, LP As  
Investment Manager

By: /s/ James Keogh

Name: James Keogh  
Title: Operations Manager

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** Fixed Income Opportunities NB LLC

By: Neuberger Berman Investment Advisers LLC, as  
Managing Member

By: /s/ Colin Donlan

Name: Colin Donlan  
Title: Authorized Signatory

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/ Azeem Haider

Name: Azeem Haider  
Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby  
Title: Director, Portfolio Manager

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**Name of Institution:** Flagship VII Limited

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

By: /s/ Azeem Haider

Name: Azeem Haider  
Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby  
Title: Director, Portfolio Manager

**Name of Institution:** Floating Rate Loan Fund, a series of 525 Market Street Fund, LLC

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola

Name: Benjamin Fandinola

Title: Trade Operations Specialist

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:** Four Points Multi-Strategy Master Fund Inc. (Loan Account)

by SHENKMAN CAPITAL MANAGEMENT, INC.,  
as Investment Manager for the Loan Account

By: /s/ Justin Slatky

Name: Justin Slatky

Title: CO-CIO

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:

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**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:

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**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 XV 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 XVI 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 XXII 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:** Gale Force 3 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:** MP Senior Credit Partners

Gallatin CLO IV 2012-1, Ltd

As Assignee

By: MP Senior Credit Partners L.P.

as its Collateral Manager

by /s/ Michael Nervi  
Name: Michael Nervi  
Title: Principal

For any institution requiring a second signature line:

by  
Name:  
Title:

**Name of Institution:** MP Senior Credit Partners

Gallatin CLO V 2013-1, Ltd  
As Assignee  
By: MP Senior Credit Partners L.P.  
as its Collateral Manager

by /s/ Michael Nervi  
Name: Michael Nervi  
Title: Principal

For any institution requiring a second signature line:

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



**Name of Institution:** MP Senior Credit Partners

Gallatin CLO VI 2013-2, Ltd  
As Assignee  
By: MP Senior Credit Partners L.P.  
as its Collateral Manager

by /s/ Michael Nervi \_\_\_\_\_  
Name: Michael Nervi  
Title: Principal

For any institution requiring a second signature line:

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

**Name of Institution:** MP Senior Credit Partners

Gallatin CLO VI 2013-2, LLC  
As Assignee  
By: MP Senior Credit Partners L.P.  
as its Portfolio Manager

by /s/ Michael Nervi \_\_\_\_\_  
Name: Michael Nervi  
Title: Principal

For any institution requiring a second signature line:

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

**Name of Institution:** MP Senior Credit Partners

Gallatin CLO VII 2014-1, Ltd.  
By: MP Senior Credit Partners  
as its Portfolio Manager

by /s/ Michael Nervi  
\_\_\_\_\_  
Name: Michael Nervi  
Title: Principal

For any institution requiring a second signature line:

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

**Name of Institution:** Garrison Funding 2015-1 Ltd.

By: Garrison Funding 2015-1 Manager LLC as Portfolio  
Manager

By: /s/ Krystle Walker

Name: Krystle Walker  
Title: Associate Director - Settlements

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Garrison Funding 2016-1 LTD

By: /s/ Krystle Walker

Name: Krystle Walker  
Title: Associate Director - Settlements

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**GC Finance Operations II, Inc.**  
**By GC Advisors LLC, its Manager**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager

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**Name of Institution:** Geveran Investments Limited

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:





**Name of Institution:** Gila River Indian Community

By: Bradford & Marzec, LLC as Investment Advisor on  
behalf of the Gila River Indian Community, account  
number 1040014161

By: /s/ John Heitkemper

Name: John Heitkemper  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** 1828 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:



**Name of Institution:** Global-Loan SV S.À r.l.

Executed by Alcentra Limited as Portfolio Manager, and  
Alcentra NY, LLC as Sub-Manager, for and on behalf of  
Global-Loan SV Sarl

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: GOLDMAN SACHS BANK USA**

By /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

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**Golub Capital Partners CLO 14, Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager

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**Golub Capital Partners CLO 15, Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager

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**Golub Capital Partners CLO 19(B), Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager



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**Golub Capital Partners CLO 22(B), Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager

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**Golub Capital Partners CLO 23(B), Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior Portfolio Manager

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**Golub Capital Partners CLO 26(B), Ltd.**  
**By GC Advisors LLC, as agent**

by /s/ Christina D. Jamieson

Name: Christina D. Jamieson

Title: Senior 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:** Grayson CLO, Ltd.

By Highland Capital Management, L.P., As Servicer

By: /s/ Carter Chism

Name: Carter Chism  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Greenbriar CLO, LTD.

By: Highland Capital Management, L.P.,  
As Servicer

By: /s/ Carter Chism

Name: Carter Chism  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Greywolf CLO II, Ltd

BY: Greywolf Capital 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:** Greywolf CLO III, Ltd

BY: Greywolf Capital 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: Greywolf CLO IV, Ltd.

BY: Greywolf Capital 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:** Greywolf CLO V, Ltd

By: Greywolf Capital 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:** Grippen Park CLO, Ltd.

By: GSO / Blackstone Debt Funds Management LLC as  
Collateral Manager to Warehouse Parent, Ltd.

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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**Name of Institution:** Gryphon 1 LTD

By: /s/ Thomas Shandell

Name: Thomas Shandell  
Title: Portfolio Manager

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 Taxable Municipal Managed Duration Trust

BY: Guggenheim Partners Investment Management, LLC

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 Funds Trust - Guggenheim Floating Rate Strategies Fund

By: Guggenheim Partners Investment Management, LLC

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 Loan Master Fund, 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:** GUGGENHEIM OPPORTUNISTIC U.S. LOAN AND BOND FUND IV

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

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:** Guggenheim Variable Funds Trust - Series F (Floating Rate Strategies Series)

By: Guggenheim Partners Investment Management, 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:** Halcyon Loan Advisors Funding 2012-2, Ltd.

BY: Halcyon Loan Advisors 2012-2 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 2013-1 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 2013-2 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 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 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:



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**Hartford Life and Accident Insurance Company**  
**By: Hartford Investment Management Company Its Agent**  
**and Attorney-in-Fact**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

**AAM/HIMCO Short Duration Fund**  
**By: Hartford Investment Management Company**  
**Its Investment Advisor, as a Lender**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

**Hartford Life Insurance Company**  
**By: Hartford Investment Management Company**  
**Its Agent and Attorney-in-Fact, as a Lender**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

**Hartford Fire Insurance Company**  
**By: Hartford Investment Management Company**  
**Its Agent and Attorney-in-Fact, as a Lender**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

**Hartford Accident and Indemnity Company**  
**By: Hartford Investment Management Company**  
**Its Agent and Attorney-in-Fact, as a Lender**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

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**Hartford Life and Annuity Insurance Company**  
**By: Hartford Investment Management Company**  
**Its Agent and Attorney-in-Fact, as a Lender**

by /s/ Todd J. Jorgensen

Name: Todd J. Jorgensen

Title: AVP/Leveraged Credit

**Name of Institution:** Hartford Multi-Asset Income Fund

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:** The Hartford Unconstrained Bond 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:** 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/ Azeem Haider

Name: Azeem Haider  
Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby  
Title: Director, Portfolio Manager

**Name of Institution:** Helaba Invest Kapitalanlagegesellschaft mbH for/on behalf of HI-ZW-Fonds, Segment HI-ZW-BUL-SFonds

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:

**Name of Institution:** Hempstead 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:** Liquid Loan Opportunities Master Fund, L.P.

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:** Highbridge Loan Management 2012-1, 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:** Highbridge Loan Management 2013-2, 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:** 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:** Highbridge Loan Management 6-2015, 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:** Highbridge Loan Management 8-2016, 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:** Highbridge Loan Management 7-2015, Ltd.

By: HPS Investment Partners, LLC,  
its 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:** Highmark 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:

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**Name of Institution:** HillMark Funding, Ltd.

By: HillMark Capital Management, L.P.,  
as Collateral Manager, as Lender

By: /s/ Mark Gold

Name: Mark Gold  
Title: CEO

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** HI-PF-BUL-SFonds

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:

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**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:** HP US HIGH YIELD

BY: INTERNATIONALE  
KAPITALANLAGEGESELLSCHAFT mbH acting for  
account of HP US HIGH YIELD  
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 10-2016, Ltd.

By: HPS Investment Partners, LLC,  
its Investment Manager

By: /s/ Wellington Chin

Name: Wellington Chin  
Title: Senior Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** HPS Loan Management 9-2016, 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: HSBC Bank plc**

by \_\_\_\_\_  
Name: Marvin Rose  
Title: Authorised Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_  
Name: Nick Hunter  
Title: Authorised Signatory



**Name of Institution: The Huntington National Bank**

by /s/ Ryan Benefiel  
Name: Ryan Benefiel  
Title: Portfolio Manager

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:** IBM 401(k) Plus Plan Trust

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:** ICG US CLO 2014-1, 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:** ICG US CLO 2014-2 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:** ICG US CLO 2014-3, 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:** ICG US CLO 2015-1, 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:** ICG US CLO 2015-2, 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:** ICG US CLO 2016-1, 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:** ICG US CLO 2017-1, 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:** ILLINOIS STATE BOARD OF INVESTMENT

BY: THL Credit Senior Loan Strategies LLC,  
as Investment 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:** ILWU - PMA PENSION PLAN

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the ILWU - PMA Pension Plan, account number CIT7

By: /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Imperial County Employees' Retirement System

By: Bradford & Marzec, LLC as Investment Advisor on  
behalf of the Imperial County Employees' Retirement System,  
account number P24736/43383

By: /s/ John Heitkemper

Name: John Heitkemper  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Indiana Public Retirement System

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

By: /s/ Peter Deschner

Name: Peter Deschner  
Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**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:** Indiana University Health, 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:** NN (L) Flex - Senior Loans Select

Voya Investment Management Co. LLC, as its investment  
manager

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

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/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution: ING CAPITAL LLC**

by /s/ Mallika Kamphampati

Name: Mallika Kamphampati

Title: Managing Director

For any institution requiring a second signature line:

by /s/ Yael Hayim

Name: Yael Hayim

Title: Director



**Name of Institution:** Voya High Income Floating Rate Fund

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

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:** Invesco BL Fund, Ltd.

By: Invesco Management S.A. As Investment Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Invesco Floating Rate Fund

BY: Invesco Senior Secured Management, Inc. as Sub-Adviser

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Invesco Floating Rate Income Fund

By: Invesco Senior Secured Management, Inc. as Sub-Adviser

By: /s/ Egan, Kevin

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Invesco Gemini US Loan Fund LLC

By: Invesco Senior Secured Management, Inc as Investment  
Advisor

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Invesco Leveraged Loan Fund 2016 A Series Trust of Global Multi Portfolio Investment Trust

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Invesco Polaris US Bank Loan Fund

BY: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Invesco Senior Income Trust

BY: Invesco Senior Secured Management, Inc. as Sub-advisor

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Invesco Senior Loan Fund

**BY:** Invesco Senior Secured Management, Inc. as Sub-advisor

**By:** /s/ Kevin Egan

**Name:** Kevin Egan  
**Title:** Authorized Individual

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

**Name of Institution:** INVESCO SSL FUND LLC

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Invesco US Leveraged Loan Fund 2016-9 a Series Trust of Global Multi Portfolio Investment Trust

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Invesco US Senior Loans 2021, L.P.

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Invesco Zodiac Funds - Invesco Global Senior Loan Select Fund

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Egan, Kevin  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Invesco Zodiac Funds - Invesco US Senior Loan Fund

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Ironshore Inc.

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:** 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

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

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/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Jackson Mill CLO Ltd.

By: Shenkman Capital Management, Inc., as Portfolio  
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: Jamestown CLO I Ltd.

By: 3i Debt Management US, LLC as 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 II Ltd.

By: 3i Debt Management US, LLC as Manager

By: /s/ David Nadeau

Name: David Nadeau  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Jamestown CLO III 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 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 V Ltd.

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 VI 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 VIII 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:** Jefferson 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:** JFIN CLO 2013 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2014 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2014-II LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2015 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2015-II LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2016 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN CLO 2017 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

**Name of Institution:** JFIN MM CLO 2014 LTD  
**By:** Apex Credit Partners LLC as Portfolio Manager

By /s/ Stephen Goetschius

Name: Stephen Goetschius

Title: Managing Director

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**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:



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Name of Institution: JMP CREDIT ADVISORS CLO III LTD.

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

By /s/ Christopher R. Bellamy

Name: Christopher R. Bellamy

Title: Director

by

**Name of Institution:** JNL Multi- Manger Alternative Funds

BlueBay Asset Management LLP acting as agent and  
investment sub-adviser for: JNL Series Trust on behalf of JNL  
Multi-Manager Alternative Fund acting solely with respect to  
the BlueBay Sleeve

By: /s/ Kevin Webb

Name: Kevin Webb

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**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:** JNL/Neuberger Berman Strategic Income Fund

By: /s/ Colin Donlan

Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**Name of Institution:** John Hancock Funds II Short Duration Credit Opportunities Fund

By: /s/ Adam Shaprio

Name: Adam Shaprio  
Title: General Counsel

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** John Hancock Funds II - Investment Quality Bond 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:** John Hancock Variable Insurance Trust - Investment Quality Bond Trust

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:** JOSHUA TREE 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: 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:** Kaiser Foundation Hospitals

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** KAISER FOUNDATION HOSPITALS

**BY:** Ares Management LLC, as portfolio manager

**By:** /s/ Daniel Hayward

**Name:** Daniel Hayward

**Title:** Authorized Signatory

For any institution requiring a second signature line:

**By:**

**Name:**

**Title:**

**Name of Institution:** Kaiser Foundation Hospitals

BY: AllianceBernstein L.P.

By: /s/ Neil Ruffell

Name: Neil Ruffell

Title: VP - Corporate Actions

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Kaiser Permanente Group Trust

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** KAISER PERMANENTE GROUP TRUST

BY: Kaiser Foundation Health Plan, Inc., as named fiduciary

By: Ares Management LLC, as portfolio manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Kapitalforeningen Investin Pro, US Leveraged Loans I

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Katonah 2007-1 CLO 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:** 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 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:



**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:** Keuka 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:

**KING STREET ACQUISITION COMPANY, L.L.C.**

By: King Street Capital Management, L.P.  
Its Manager

by /s/ Howard Baum  
Name: Howard Baum  
Title: Authorized Signatory

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**Name of Institution:** Kingsland IV, Ltd.

BY: Kingsland Capital Management, LLC, as Manager

By:         /s/ Katherine Kim  

Name: Katherine Kim  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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TRANSDIGM INC. SECOND AMENDED  
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**Name of Institution:** Kingsland V, Ltd.

**BY:** Kingsland Capital Management, LLC, as Manager

**By:** /s/ Katherine Kim

**Name:** Katherine Kim  
**Title:** Authorized Signatory

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

**Name of Institution:** Kingsland VI

By: Kingsland Capital Management, LLC as Manager

By: /s/ Katherine Kim

Name: Katherine Kim  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Kingsland VII

By: Kingsland Capital Management, LLC as Manager

By: /s/ Katherine Kim

Name: Katherine Kim  
Title: Authorized Signatory

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:** KKR CLO 10 LTD.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** KKR CLO 11 LTD.

By:     /s/ Jeffrey Smith    

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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TRANSDIGM INC. SECOND AMENDED  
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**Name of Institution:** KKR CLO 12 LTD.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** KKR CLO 13 Ltd.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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WRITTEN ABOVE, TO THE  
TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** KKR CLO 14 Ltd.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:

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WRITTEN ABOVE, TO THE  
TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** KKR CLO 15 Ltd.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** KKR CLO 16 Ltd.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:

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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** KKR CLO 17 Ltd.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:



**Name of Institution:** KKR CLO 9 LTD.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:

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**Name of Institution:** KKR FINANCIAL CLO 2012-1, LTD.

By: /s/ Jeffrey Smith

Name: Jeffrey Smith  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:  
Title:



**Name of Institution:** KP FIXED INCOME FUND

By: Credit Suisse Asset Management, LLC, as Sub-Adviser  
for Callan Associates Inc., the Adviser for The KP Funds, the  
Trust for KP Fixed Income 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:** 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:** Lancashire Insurance Company Limited

By: PineBridge Investments Europe Limited  
As Collateral Manager

By: /s/ Steven Oh

Name: Steven Oh  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**LCM XII Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XIII Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory



**LCM XIV Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XV Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XVI Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
\_\_\_\_\_

LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XVII Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
\_\_\_\_\_  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XVIII Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XIX Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
\_\_\_\_\_

LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XX Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XXI Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
\_\_\_\_\_  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory



**LCM XXII Limited Partnership**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XXIII Ltd.**  
**By: LCM Asset Management LLC**  
**As Collateral Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**LCM XXIV Funding LLC**  
**By: LCM Asset Management LLC**  
**As Interim Asset Manager**

**Name of Institution:** \_\_\_\_\_

by /s/ Alexander B. Kenna  
LCM Asset Management LLC  
Alexander B. Kenna

Name:  
Title: Authorized Signatory

**Name of Institution:** Lexington Insurance Company

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Liberty Mutual Insurance Company

**By:** /s/ Henry J. Rauch

**Name:** Henry J. Rauch  
**Title:** Authorized Signatory

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

**Name of Institution:** Liberty Mutual Retirement Plan Master Trust, as Assignee

By: LIBERTY MUTUAL GROUP ASSET MANAGEMENT  
INC. ACTING FOR AND ON BEHALF OF LIBERTY  
MUTUAL RETIREMENT PLAN MASTER TRUST

By: /s/ Henry J. Rauch

Name: Henry J. Rauch  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Limerock CLO III, Ltd.

BY: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** LINCOLN SQUARE FUNDING ULC

By: /s/ Madonna Sequeira

Name: Madonna Sequeira

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:





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**Name of Institution:** Lincoln Variable Insurance Products Trust- LVIP Delaware Foundation Conservative Allocation

By: /s/ Adam Brown

Name: Adam Brown  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Lincoln Variable Insurance Products Trust - LVIP Delaware Foundation Moderate Allocation

By: /s/ Adam Brown

Name: Adam Brown  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Linde Pension Plan Trust

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

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:** Lloyds Bank Pension Scheme No.1

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:

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**Name of Institution:** Lloyds Bank Pension Trust (No. 1) Limited as trustee of Lloyds Bank Pension Scheme No. 1

BY: Ares Management Limited, its Investment Manager

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Lloyds Bank Pension Trust (No. 2) Limited as trustee of Lloyds Bank Pension Scheme No. 2

BY: Ares Management Limited, its Investment Manager

By: /s/ Daniel Hayward

Name: Daniel Hayward  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Long Point 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:** 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:

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**Name of Institution:** Loomis Sayles Absolute Strategies 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 Core Plus Bond Fund, a Series of Natixis Funds Trust I

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

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 Core Plus Fixed Income Fund

BY: Loomis Sayles Trust Company, LLC, As Trustee of  
Loomis Sayles Core Plus Trust

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 Credit Opportunities 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 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 Senior Floating Rate Loan 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 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 Bank Loan Trust

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:



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**Name of Institution:** ABS Loans 2007 Limited, a subsidiary of Goldman Sachs Institutional Funds II PLC

by /s/ Ushma Dedhiya

Name: Ushma Dedhiya

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

Goldman Sachs U.S. Income Builder Trust

By: Goldman Sachs Asset Management, L.P. , not in its individual capacity,

**Name of Institution:** but solely as its investment advisor

by /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

Goldman Sachs Trust on behalf of the Goldman Sachs High Yield Floating Rate Fund

**Name of Institution:** By: Goldman Sachs Asset Management, L.P. as investment advisor and not as principal

by /s/ Ushma Dedhiya

Name: Ushma Dedhiya

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

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Goldman Sachs Lux Investment Funds for the benefit of Goldman Sachs High Yield Floating Rate  
Portfolio (Lux)

**Name of Institution:** by Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal

by /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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



Goldman Sachs Funds SICAV for the benefit of Goldman Sachs Global Income Builder Portfolio

**Name of Institution:** by Goldman Sachs Asset Management, L.P. as its investment advisor and not as principal

by /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

Goldman Sachs Trust –Goldman Sachs Income Builder Fund

**Name of Institution:** By: Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal

by /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

LVIP Goldman Sachs Income Builder Fund

**Name of Institution:** by Goldman Sachs Asset Management, L.P. solely as its investment sub-adviser and not as principal

by /s/ Ushma Dedhiya

Name: Ushma Dedhiya

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

New York Marine and General Insurance Company

**Name of Institution:** by Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal

by /s/ Ushma Dedhiya

Name: Ushma Dedhiya

Title: Authorized Signatory

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

Advance Series Trust – AST Goldman Sachs Multi-Asset Portfolio

**Name of Institution: By:** Goldman Sachs Asset Management, L.P. solely as its investment advisor and not as principal

by /s/ Ushma Dedhiya  
Name: Ushma Dedhiya  
Title: Authorized Signatory

For any institution requiring a second signature line:

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

**Name of Institution: M&G Investments**

M&G Dynamic European Loan Fund Limited

M&G European Loan Fund Limited

M&G Focused European Loan Fund Limited

M&G Independent European Loan Fund Limited

M&G Managed European Loan Fund Limited

Shell Pensions Trust Limited as trustee of the  
Shell Contributory Pension Fund

Stichting Shell Pensioenfond

by /s/ Fabian Ansorg

\_\_\_\_\_  
Name: Fabian Ansorg

Title: Authorised Signatory

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**MACQUARIE BANK LIMITED,**  
as a Lender

By: /s/ Byron den Hertog  
Name: Byron den Hertog  
Title: Division Director

By: /s/ Fiona Smith  
Name: Fiona Smith  
Title: Division Director

Signed in Sydney, POA Ref:  
#2090 dated 26 Nov 2015

**Name of Institution:** MADISON PARK FUNDING IV, LTD.

By: Credit Suisse Asset Management, LLC, as collateral  
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:** MADISON PARK FUNDING V, LTD.

By: Credit Suisse Asset Management, LLC, as collateral  
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:** MADISON PARK FUNDING VI, LTD.

By: Credit Suisse Asset Management, LLC, as collateral  
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:** MADISON PARK FUNDING X, LTD.

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XI, Ltd.

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XII, Ltd.

By: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XIII, Ltd.

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** MADISON PARK FUNDING XIV, LTD.

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XIX, Ltd.

By: Credit Suisse Asset Management, LLC, as collateral  
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:** Madison Park Funding XV, Ltd.

BY: Credit Suisse Asset Management, LLC, as Portfolio  
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:** Madison Park Funding XVI, Ltd.

BY: Credit Suisse Asset Management, LLC, as portfolio  
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:** MADISON PARK FUNDING XVII, LTD.

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

By: /s/ Thomas Flannery

Name: Thomas Flannery  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Madison Park Funding XVIII, Ltd.

By: Credit Suisse Asset Management, LLC  
as Collateral 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:** Madison Park Funding XX, Ltd.

By: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XXI, Ltd.

By: Credit Suisse Asset Management, LLC, as portfolio  
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:** Madison Park Funding XXII, Ltd.

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

By: /s/ Thomas Flannery

Name: Thomas Flannery  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Madison Park Funding XXIII, Ltd.

By: Credit Suisse Asset Management, LLC  
as Collateral 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:** Madison Park Funding XXIV, Ltd.

By: Credit Suisse Asset Management, LLC  
as Collateral 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:** 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:

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**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:

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**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 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:



**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:

**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:

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**Name of Institution:** MainStay Short Duration High Yield Fund, a series of MainStay Funds Trust

By: MacKay Shields LLC, as Subadviser and not individually

By: /s/ Andrew Susser

Name: Andrew Susser

Title: Senior Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** MAMMOTH 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:** Manulife Floating Rate Senior Loan Fund

By:         /s/ Jim Roth  

Name: Jim Roth

Title: Manager

For any institution requiring a second signature line:

By:

Name:

Title:







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**Name of Institution:** Manulife Investments Trust - Floating Rate Income Fund

By: /s/ Jim Roth

Name: Jim Roth  
Title: Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Manulife U.S. Dollar Floating Rate Income Fund

By: /s/ Jim Roth

Name: Jim Roth  
Title: Manager

For any institution requiring a second signature line:

By:

Name:  
Title:





**Name of Institution:** Maps CLO Fund II, 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:** Marathon CLO IV 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 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:





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**Name of Institution:** Marathon CLO VI, Ltd.

By: /s/ Louis Hanover \_\_\_\_\_

Name: Louis Hanover  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**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:

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**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:** Marea CLO, Ltd.

BY: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Marine 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:

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Name of Institution: Maryland State Retirement and Pension System

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:

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**Name of Institution:** Master Pension Trust of CSX Corporation and Affiliated Companies sponsored by CSX Corporation

By: /s/ Colin Donlan

Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** McLean Funding, LLC

by /s/ John Corrett  
Name: John Corrett  
Title: Managing Director

For any institution requiring a second signature line:

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

**Name of Institution:** Medical Liability Mutual Insurance Company

BY: Invesco Advisers, Inc. as Investment Manager

By:         /s/ Kevin Egan  

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Medtronic Holding Switzerland GMBH

By:       /s/ Donna Sirianni      

Name: Donna Sirianni

Title: Vice President

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/ Kelly Byrne

Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Menard, Inc.

By: Symphony Asset Management LLC

By: /s/ scott caraher

Name: scott caraher

Title: portfolio manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Mercer Field 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:

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**Name of Institution:** Meridian Bank

By /s/ James D. Nelsen

Name: James D. Nelsen

Title: SCO

**Name of Institution:** MERRIAM FINANCIAL SERVICES, LTD

by Payden & Rygel as Investment Adviser

By: /s/ David Scott

Name: David Scott

Title: Senior Fixed Income Trader

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** MET Investors Series Trust -Met/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: Metropolitan Life Insurance Company**

by /s/ Steven R. Bruno  
Name: Steven R. Bruno  
Title: Director

For any institution requiring a second signature line:

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

**Name of Institution:** Metropolitan Series Fund - Met/Wellington Balanced Portfolio

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:** Metropolitan West Floating Rate Income Fund

BY: Metropolitan West Asset Management as Investment  
Manager

By: /s/ Bibi Khan

Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan

Name: Nora Olan  
Title: Senior Vice President

**Name of Institution:** Metropolitan West High Yield Bond Fund

BY: Metropolitan West Asset Management as Investment  
Manager

By: /s/ Bibi Khan

Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan

Name: Nora Olan  
Title: Senior Vice President

**Name of Institution:** Metropolitan West Total Return Bond Fund

BY: Metropolitan West Asset Management as Investment  
Manager

By: /s/ Bibi Khan

Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan

Name: Nora Olan  
Title: Senior Vice President

**Name of Institution:** Metropolitan West Unconstrained Bond Fund

BY: Metropolitan West Asset Management as Investment  
Manager

By: /s/ Bibi Khan

Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan

Name: Nora Olan  
Title: Senior Vice President

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Name of Institution:  
MFS SERIES TRUST IX on behalf of one of its Series,  
MFS Corporate Bond Fund\*

By: /s/  
As authorized representative and not individually

If a second signature is necessary:

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

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder. If this instrument is executed by the Trust on behalf of one or more series of the Trust, you further acknowledge that the assets and liabilities of each series of the Trust are separate and distinct and that the obligations of or arising out of this instrument are binding solely upon the assets or property of the series on whose behalf the Trust has executed this instrument. If the Trust has executed this instrument on behalf of more than one series of the Trust, you also agree that the obligations of each series hereunder shall be several and not joint, in accordance with its proportionate interest hereunder, and you agree not to proceed against any series for the obligations of another series.



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Name of Institution:

MFS Intermediate High Income Fund\*\*

By: /s/ \_\_\_\_\_

As authorized representative and not individually

If a second signature is necessary:

by \_\_\_\_\_

Name:

Title:

Name of Fund Manager (if any): \_\_\_\_\_

\*\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledge that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder.

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Name of Institution:

MFS SERIES TRUST III on behalf of one of its series,  
MFS High Income Fund\*

By: /s/ \_\_\_\_\_

As authorized representative and not individually

If a second signature is necessary:

by \_\_\_\_\_

Name:

Title:

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder. If this instrument is executed by the Trust on behalf of one or more series of the Trust, you further acknowledge that the assets and liabilities of each series of the Trust are separate and distinct and that the obligations of or arising out of this instrument are binding solely upon the assets or property of the series on whose behalf the Trust has executed this instrument. If the Trust has executed this instrument on behalf of more than one series of the Trust, you also agree that the obligations of each series hereunder shall be several and not joint, in accordance with its proportionate interest hereunder, and you agree not to proceed against any series for the obligations of another series.

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Name of Institution:

MFS VARIABLE INSURANCE TRUST II on behalf of one of  
its series, MFS High Yield Portfolio\*

By: /s/ \_\_\_\_\_  
As authorized representative and not individually

If a second signature is necessary:

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

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder. If this instrument is executed by the Trust on behalf of one or more series of the Trust, you further acknowledge that the assets and liabilities of each series of the Trust are separate and distinct and that the obligations of or arising out of this instrument are binding solely upon the assets or property of the series on whose behalf the Trust has executed this instrument. If the Trust has executed this instrument on behalf of more than one series of the Trust, you also agree that the obligations of each series hereunder shall be several and not joint, in accordance with its proportionate interest hereunder, and you agree not to proceed against any series for the obligations of another series.

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Name of Institution:

MFS SPECIAL VALUE TRUST\*\*

By: /s/ \_\_\_\_\_  
As authorized representative and not individually

If a second signature is necessary:

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

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of This instrument are not binding upon any of the Trust's trustees, officers, employees, agents or Shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder.

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Name of Institution:

MFS CHARTER INCOME TRUST\*\*

By: /s/ \_\_\_\_\_

As authorized representative and not individually

If a second signature is necessary:

by \_\_\_\_\_

Name:

Title:

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of This instrument are not binding upon any of the Trust's trustees, officers, employees, agents or Shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder

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Name of Institution:

MFS MULTIMARKET INCOME TRUST\*\*

By: /s/ \_\_\_\_\_

As authorized representative and not individually

If a second signature is necessary:

by \_\_\_\_\_

Name:

Title:

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder. If this instrument is executed by the Trust on behalf of one or more series of the Trust, you further acknowledge that the assets and liabilities of each series of the Trust are separate and distinct and that the obligations of or arising out of this instrument are binding solely upon the assets or property of the series on whose behalf the Trust has executed this instrument. If the Trust has executed this instrument on behalf of more than one series of the Trust, you also agree that the obligations of each series hereunder shall be several and not joint, in accordance with its proportionate interest hereunder, and you agree not to proceed against any series for the obligations of another series.

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Name of Institution:

MFS SERIES TRUST III on behalf of one of its series, MFS  
High Yield Pooled Portfolio\*

By: /s/ \_\_\_\_\_  
As authorized representative and not individually

If a second signature is necessary:

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

Name of Fund Manager (if any): \_\_\_\_\_

\* A copy of the Declaration of Trust of the undersigned (the "Trust") is on file with the Secretary of State of The Commonwealth of Massachusetts. You acknowledged that the obligations of or arising out of this instrument are not binding upon any of the Trust's trustees, officers, employees, agents or shareholders individually, but are binding solely upon the assets and property of the Trust in accordance with its proportionate interest hereunder. If this instrument is executed by the Trust on behalf of one or more series of the Trust, you further acknowledge that the assets and liabilities of each series of the Trust are separate and distinct and that the obligations of or arising out of this instrument are binding solely upon the assets or property of the series on whose behalf the Trust has executed this instrument. If the Trust has executed this instrument on behalf of more than one series of the Trust, you also agree that the obligations of each series hereunder shall be several and not joint, in accordance with its proportionate interest hereunder, and you agree not to proceed against any series for the obligations of another series.

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**Name of Institution:** MidOcean Credit CLO VI

By: MidOcean Credit Fund Management LP, as Portfolio  
Manager

By: Ultramar Credit Holdings, Ltd., its General Partner

By: /s/ Jim Wiant

Name: Jim Wiant

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Midwest Operating Engineers Pension Fund

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the Midwest Operating Engineers Pension Fund, account  
number 17-06210/MDP03

By: /s/ John Heitkemper

Name: John Heitkemper

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Milton Hershey School Trust

By: /s/ Benjamin Fandinola

Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Missouri Education Pension Trust

By: Oaktree Capital Management, L.P.  
Its: Investment Manager

By: /s/ Peter Deschner

Name: Peter Deschner  
Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott \_\_\_\_\_

Name: Regan Scott  
Title: Managing Director





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**Name of Institution: Morgan Stanley Bank, N.A.**

by /s/ Christopher Winthrop

Name: Christopher Winthrop

Title: Authorized Signatory

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**Name of Institution: Morgan Stanley Senior Funding, Inc.**

by /s/ Christopher Winthrop \_\_\_\_\_

Name: Christopher Winthrop

Title: Authorized Signatory

**Name of Institution:** Mountain View CLO 2013-1 Ltd.

By: Seix Investment Advisors LLC, as Collateral Manager

By: /s/ George Goudelias

Name: George Goudelias  
Title: Managing Director

For any institution requiring a second signature line:

By:

Name:  
Title:



**Name of Institution:** Mountain View CLO 2014-1 Ltd.

By: Seix Investment Advisors LLC, as Collateral Manager

By: /s/ George Goudelias

Name: George Goudelias  
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 Goudelias

Name: George Goudelias  
Title: Managing Director

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** Mountain View CLO II Ltd.

By: Seix Investment Advisors LLC, as Collateral Manager

By: /s/ George Goudelias

Name: George Goudelias  
Title: Managing Director

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** Mountain View CLO IX Ltd.

By; Seix Investment Advisors LLC, as Collateral Manager

By: /s/ George Goudelias

Name: George Goudelias

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Mountain View CLO X Ltd.

By: Seix Investment Advisors LLC, as Collateral Manager

By: /s/ George Goudelias

Name: George Goudelias  
Title: Managing Director

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** MPLF Funding Limited

By: /s/ Thomas Shandell

Name: Thomas Shandell

Title: CEO

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Mt. Whitney Securities, L.L.C.

BY: Deutsche Investment Management Americas Inc. As  
Manager

By: /s/ Azeem Haider

Name: Azeem Haider  
Title: Vice President

For any institution requiring a second signature line:

By: /s/ Thomas V. Kirby

Name: Thomas V. Kirby  
Title: Director, Portfolio Manager

**Name of Institution:** Mt. Whitney Securities, LLC

By: /s/ Benjamin Fandinola

Name: Benjamin Fandinola

Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Multi Sector Value Bond Fund

By: Pioneer Institutional Asset Management, Inc.  
As its adviser

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:** Municipal Employees' Annuity and Benefit Fund of Chicago

**BY:** Symphony Asset Management LLC

**By:**             /s/ scott caraher

**Name:** scott caraher  
**Title:** portfolio manager

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

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**Name of Institution:** Muzinich and Co (Ireland) Limited for the account of Muzinich Loan Fund Plus

By: /s/ Patricia Charles

Name: Patricia Charles  
Title: Associate

For any institution requiring a second signature line:

By:

Name:  
Title:

**Name of Institution:** Muzinich and Co (Ireland) Limited for the account of Muzinich Loan Fund

By: /s/ Patricia Charles

Name: Patricia Charles

Title: Associate

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** National Electrical Benefit Fund

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang

Name: Wayne Hosang

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon

Name: Brian McKeon

Title: Vice President

**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:** National Union Fire Insurance Company of Pittsburgh, Pa.

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution: Natixis, New York Branch**

by /s/ Julian Sacks

Name: Julian Sacks

Title: Trader

For any institution requiring a second signature line:

by /s/ Brad Roberts

Name: Brad Roberts

Title: Managing Director

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**Name of Institution:** Natixis Loomis Sayles Senior Loan 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:** NB Global Floating Rate Income Fund Limited

By: /s/ Colin Donlan

Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** NB Short Duration High Yield Fund

By: /s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

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/ Ron Jacobi

Name: Rob Jacobi  
Title: Authorized Signatory

or any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** OAKTREE EIF I SERIES A1, 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/ Regan Scott

Name: Regan Scott  
Title: Managing Director



**Name of Institution:** Oaktree EIF II Series A1, 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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**Name of Institution:** OAKTREE EIF II SERIES B1, 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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**Name of Institution:** OAKTREE EIF II SERIES B2, 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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**Name of Institution:** Oaktree EIF III Series 1, 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/ Regan Scott

Name: Regan Scott  
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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**Name of Institution:** Oaktree Enhanced Income Funding Series IV, 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/ Regan Scott

Name: Regan Scott  
Title: Managing Director

**Name of Institution:** Oaktree Senior Loan Fund, L.P.

By: Oaktree Senior Loan GP, L.P.  
Its: General Partner

By: Oaktree Fund GP IIA, LLC  
Its: General Partner

By: Oaktree Fund GP II, L.P.  
Its: Managing Member

By: /s/ Peter Deschner

Name: Peter Deschner  
Title: Authorized Signatory

For any institution requiring a second signature line:

By: /s/ Regan Scott

Name: Regan Scott  
Title: Authorized Signatory



**Name of Institution:** OCEAN TRAILS CLO II

By: Five Arrows Managers North America LLC as Investment  
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:** Ocean Trails CLO IV

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:** 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:** Ocean Trails CLO VI

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:

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**Name of Institution:**

OCP CLO 2012-2, Ltd.

By: Onex Credit Partners, LLC, as Collateral Manger

by /s/ Paul Travers

\_\_\_\_\_  
Name: Paul Travers

Title: Portfolio Manager

**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 XVI, 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 XVII, 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 XVIII, 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 XX, 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:

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**Name of Institution:** Octagon Investment Partners XXI, 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 Investment Partners XXIII, 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 Funding, 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:

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OFSI Fund V, Ltd.

By: OFS Capital Management, LLC

Its: Collateral Manager

By: /s/ Sean C. Kelley

Name: Sean C. Kelley

Title: Director



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OFSI Fund VI, Ltd.

By: OFS Capital Management, LLC

Its: Collateral Manager

By: /s/ Sean C. Kelley

Name: Sean C. Kelley

Title: Director

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OFSI Fund VII, Ltd.

By: OFS Capital Management, LLC

Its: Collateral Manager

By: /s/ Sean C. Kelley

Name: Sean C. Kelley

Title: Director

**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:

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**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 VIII, 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:

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**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:

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**Name of Institution:** OHA CREDIT PARTNERS XII, 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:



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**Name of Institution:** OHA Credit Partners XIII, 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 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 2013-1, 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 2013-2, 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:

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**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.Àr.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:** Ohio Police & Fire Pension Fund

By:       /s/ Colin Donlan        
Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Ohio Police and Fire Pension Fund

BY: PENN Capital Management Company, Inc., as its  
Investment Advisor

By: /s/ Christopher Skorton

Name: Christopher Skorton

Title: Business Operations Associate

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** ONTARIO PUBLIC SERVICE EMPLOYEES UNION PENSION PLAN TRUST FUND

By: AELIS X Management, L.P., its investment counsel  
By: AELIS X Management GP, LLC, its general partner

By: /s/ Daniel Hayward  
Name: Daniel Hayward  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution: OPPENHEIMER CAPITAL INCOME FUND**

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

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

**Name of Institution: OPPENHEIMER GLOBAL MULTI-ALTERNATIVES FUND/VA**

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for Oppenheimer Funds. Inc

For any institution requiring a second signature line:

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

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**Name of Institution: Oppenheimer Master Loan Fund, LLC.**

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co . acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

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

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Name of Institution: Oppenheimer Fundamental Alternatives Fund

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

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

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**Name of Institution: Harbourview CLO VII,LTD**

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

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



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Name of Institution: **Oppenheimer Senior Floating Rate Plus Fund,**

by /s/ Janet Harrison  
Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

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

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Name of Institution: Oppenheimer Senior Floating Rate Fund,

by /s/ Janet Harrison

Name: Janet Harrison  
Title: Associate

Brown Brothers Harriman & Co. acting  
as agent for OppenheimerFunds, Inc.

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

**Name of Institution:** Optimum Trust - Optimum Fixed Income Fund

By: /s/ Adam Brown  
Name: Adam Brown  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Orizaba, LP

By:       /s/ Colin Donlan        
Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution: OZLM Funding, Ltd.,**

OZLM Funding, Ltd., as a Lender

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

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

By: /s/ Wayne Cohen

Name: Wayne Cohen

Title: Chief Operating Officer

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**Name of Institution: OZLM Funding II, Ltd.,**

OZLM Funding II, Ltd., as a Lender

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

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

By: /s/ Wayne Cohen

Name: Wayne Cohen

Title: Chief Operating Officer

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**Name of Institution: OZLM Funding III, Ltd.,**

OZLM Funding III., as a Lender

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

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

By: /s/ Wayne Cohen

Name: Wayne Cohen

Title: Chief Operating Officer

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**Name of Institution: OZLM Funding IV, Ltd.,**

OZLM Funding IV, Ltd.,  
as a Lender

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

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

By: /s/ Wayne Cohen

Name: Wayne Cohen

Title: Chief Operating Officer



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**Name of Institution: OZLM Funding V, Ltd.,**

OZLM Funding V, Ltd., as  
a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM VI, Ltd.,**

OZLM VI, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM VII, Ltd.,**

OZLM VII, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM VIII, Ltd.,**

OZLM VIII, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM IX, Ltd.,**

OZLM IX, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM XI, Ltd.,**

OZLM XI, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM XII, Ltd.,**

OZLM XII, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM XIII, Ltd.,**

OZLM XIII, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer



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**Name of Institution: OZLM XIV, Ltd.,**

OZLM XIV, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

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**Name of Institution: OZLM XV, Ltd.,**

OZLM XV, Ltd.,  
as a Lender

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

By: /s/ Wayne Cohen  
Name: Wayne Cohen  
Title: Chief Operating Officer

**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 Majmudar  
Name: Anar Majmudar  
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 Majmudar  
Name: Anar Majmudar  
Title: Authorized Signatory



**Name of Institution:** Pacific Funds Core 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 Majmudar  
Name: Anar Majmudar  
Title: Authorized Signatory

**Name of Institution:** PACIFIC FUNDS 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 Majmudar  
Name: Anar Majmudar  
Title: Authorized Signatory

**Name of Institution:** PACIFIC FUNDS 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 Majmudar \_\_\_\_\_  
Name: Anar Majmudar  
Title: Authorized Signatory



**Name of Institution:** Pacific Select Fund - Core Income Portfolio

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 Majmudar  
Name: Anar Majmudar  
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 2013-1, Ltd

By: Palmer Square Capital Management LLC, as Portfolio  
Manager

By: /s/ Neal Braswell

Name: Neal Braswell

Title: Vice President - Operations

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Palmer Square CLO 2013-2, Ltd

By: Palmer Square Capital Management LLC, as  
Portfolio Manager

By: /s/ Neal Braswell

Name: Neal Braswell

Title: Vice President - Operations

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/ Neal Braswell \_\_\_\_\_

Name: Neal Braswell

Title: Vice President - Operations

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** Palmer Square CLO 2015-1, Ltd

BY: Palmer Square Capital Management LLC, as  
Portfolio Manager

By: /s/ Neal Braswell  
Name: Neal Braswell  
Title: Vice President - Operations

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Palmer Square CLO 2015-2, Ltd

BY: Palmer Square Capital Management LLC, as Portfolio  
Manager

By: /s/ Neal Braswell  
Name: Neal Braswell  
Title: Vice President - Operations

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Palmer Square CLO 2017-1, Ltd

By: Palmer Square Capital Management LLC, as Servicer

By: /s/ Neal Braswell  
Name: Neal Braswell  
Title: Vice President - Operations

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Palmer Square Loan Funding 2016-2, Ltd

By: Palmer Square Capital Management LLC, as Servicer

By: /s/ Neal Braswell  
Name: Neal Braswell  
Title: Vice President - Operations

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Palmer Square Loan Funding 2016-3, Ltd

By: Palmer Square Capital Management LLC, as Servicer

By: /s/ Neal Braswell  
Name: Neal Braswell  
Title: Vice President - Operations

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution: PARK AVENUE INSTITUTIONAL ADVISERS CLO LTD. 2016-1**

by /s/ John Blaney

\_\_\_\_\_  
Name: John Blaney

Title: Managing Director

**Name of Institution: Pavilion Real Assets Pool**

by /s/ Jia Liu  
Name: Jia Liu  
Title: Portfolio Manager, Fixed Income

For any institution requiring a second signature line:

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

**Name of Institution:** Pension Fund of Local No. One, IATSE

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the Pension Fund of Local No. One, IATSE, account  
number G12F7861282

By: /s/ John Heitkemper  
Name: John Heitkemper  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** PENSIONDANMARK PENSIONSFORSIKRINGSAKTIESELSKAB

By: Symphony Asset Management LLC

By: /s/ scott caraher  
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** PENSIONDANMARK PENSIONSFORSIKRINGSAKTIESELSKAB

By: Highland Capital Management, L.P., As Investment  
Manager

By: /s/ Carter Chism

Name: Carter Chism

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:





**Name of Institution:** Pioneer Solutions SICAV — Global Floating Rate Income

By: Pioneer Investment Management, Inc.,  
As its adviser

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 Income 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 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 U.S. Blended Credit Fund 2016

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: Private Account Portfolio Series PIMCO Senior Floating Rate Portfolio

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:** PIMCO Loan Interests and Credit Master Fund Ltd

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 SARL

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 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:

**Name of Institution:** PBI Stable Loan Fund a series trust of MYL Investment Trust

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:

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**Name of Institution:** Pinnacle 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:** Pioneer Floating Rate Fund

By: Pioneer Investment Management, Inc.  
As its adviser

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: Pioneer Investment Management, Inc.  
As its adviser

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: Pioneer Investment Management, Inc.  
As its adviser

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:** PK-SSL Investment Fund Limited Partnership

BY: Credit Suisse Asset Management, LLC, as 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:** Plainview Funds plc - MacKay Shields Floating Rate High Yield Portfolio

Plainview Funds Plc, an investment company organized  
as an umbrella fund with segregated liability between  
sub-funds,  
acting solely in respect of the MacKay Shields Floating  
Rate High Yield Portfolio

By: MacKay Shields LLC, its investment manager

By: /s/ Andrew Susser  
Name: Andrew Susser  
Title: Senior Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** PLUTUS LOAN FUNDING 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**: 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 Intermediate Term High Yield 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:** Post Limited Term High Yield 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:** 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:** PowerShares Senior Loan Portfolio

BY: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** PPF Nominee 2 B.V.

By: Apollo Credit Management (Senior Loans), LLC, its  
Investment 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:** Primus CLO II, Ltd.

By: CypressTree Investment 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:

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**Name of Institution:** Principal Funds Inc, - Diversified Real Asset Fund

BY: Symphony Asset Management LLC

By: /s/ Scott Caraher  
Name: scott caraher  
Title: portfolio manager

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:

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**Name of Institution:** Principal Investors Fund, Inc. - High Yield Fund

By: /s/ Colin Donlan  
Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Project Fezzik 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:** 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:

**Name of Institution:** Public Employees Retirement System of Ohio

By: /s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution: PUTNAM FLOATING RATE INCOME FUND**

by [See attached signature page] \_\_\_\_\_  
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

**Name of Institution: PUTNAM ABSOLUTE RETURN 500 FUND**

by [See attached signature page] \_\_\_\_\_  
Name:  
Title:

For any institution requiring a second signature line:

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



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

**Name of Institution: PUTNAM ABSOLUTE RETURN 300 FUND**

by [See attached signature page] \_\_\_\_\_  
Name:  
Title:

For any institution requiring a second signature line:

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

PUTNAM ABSOLUTE RETURN 300 FUND  
by Putnam Investment Management, LLC

/s/ Kerry O'Donnell

\_\_\_\_\_

Name: Kerry O'Donnell  
Title: Manager

**Name of Institution: THE LOWER RISK CREDIT SUB-PORTFOLIO**

by [See attached signature page] \_\_\_\_\_

Name:  
Title:

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

The Lower Risk Credit Sub-Portfolio (QUS)

/s/ Kerry O'Donnell

Name: Kerry O'Donnell

Title: Manager

**Name of Institution: THE HIGHER RISK CREDIT SUB-PORTFOLIO**

by [See attached signature page] \_\_\_\_\_

Name:  
Title:

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

The Higher Risk Credit Sub-Portfolio (QU9)

/s/ Kerry O'Donnell

Name: Kerry O'Donnell

Title: Manager

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**Name of Institution: PUTNAM CANADIAN GLOBAL TRUST - PUTNAM CANADIAN FIXED INCOME GLOBAL ALPHA FUND**

by [See attached signature page] \_\_\_\_\_

Name:

Title:

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:



Assignment Agreement- SIGNATURE BLOCK  
Putnam Canadian Global Trust - Putnam Canadian Fixed  
Income Global Alpha Fund by The Putnam Advisory  
Company, LLC

---

/s/ Kerry O'Donnell

Name:

Title:

**Name of Institution: PUTNAM ABSOLUTE RETURN FIXED INCOME FUND**

by [See attached signature page] \_\_\_\_\_  
Name:  
Title:

For any institution requiring a second signature line:

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

Putnam Absolute Return Fixed Income Fund by The Putnam  
Fiduciary Trust Company

/s/ Kerry O'Donnell

Name: Kerry O'Donnell

Title: Manager

**Name of Institution: INTERNATIONAL INVESTMENT FUND - PUTNAM GLOBAL ALPHA FUND**

by [See attached signature page] \_\_\_\_\_

Name:

Title:

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

International Investment Fund - Putnam Global Alpha Fund by  
The Putnam Advisory Company, LLC

/s/ Kerry O'Donnell

Name: Kerry O'Donnell

Title: Manager

**Name of Institution: INTERNATIONAL INVESTMENT FUND - PUTNAM GLOBAL ALPHA A FUND**

by [See attached signature page] \_\_\_\_\_

Name:

Title:

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

International Investment Fund - Putnam Global Alpha A Fund  
by The Putnam Advisory Company, LLC

/s/ Kerry O'Donnell

Name: Kerry O'Donnell

Title: Manager

**Name of Institution:** QUALCOMM Global Trading Pte. Ltd.

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:** 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 IX 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:

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**Name of Institution:** Race Point VI 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:

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**Name of Institution:** Race 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:

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**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:** Race Point X 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: RAYMOND JAMES BANK, N.A.**

by /s/ Daniel Gendron  
Name: Daniel Gendron  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:** RAYTHEON MASTER PENSION TRUST

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:



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**Name of Institution:** RBS Pension Trustee Limited as Trustee to The Royal Bank of Scotland Group Pension Fund

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:** Recette CLO, Ltd.

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Kevin Egan  
Name: Egan, Kevin  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Regatta II Funding LP

By: Napier Park Global Capital (US) LP Attorney-in-fact

By: /s/ Melanie Hanlon

Name: Melanie Hanlon

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Regatta III Funding LP

By: Napier Park Global Capital (US) LP Attorney-in-fact

By: /s/ Melanie Hanlon

Name: Melanie Hanlon

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Regatta IV Funding LP

By: Napier Park Global Capital (US) LP Attorney-in-fact

By: /s/ Melanie Hanlon

Name: Melanie Hanlon

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Regatta V Funding LP

By: Napier Park Global Capital (US) LP Attorney-in-fact

By: /s/ Melanie Hanlon

Name: Melanie Hanlon

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Regatta VI Funding LP

By: Regatta Loan Management LLC its Collateral Manager

By: /s/ Melanie Hanlon

Name: Melanie Hanlon

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Regatta VII Funding Ltd

By: Regatta Loan Management LLC its Collateral Manager

By: /s/ Melanie Hanlon

Name: Hanlon, Melanie

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Regence Bluecross Blueshield of Oregon

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:** Regence Bluecross Blueshield of Utah

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:** Regence Blueshield

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:** Regence Blueshield of Idaho

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:** Remuda Capital Management LTD

by /s/ William J. Morgan  
Name: William J. Morgan  
Title: Managing Director

For any institution requiring a second signature line:

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

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**Name of Institution:** Commingled Pension Trust Fund (Floating Rate Income) of JPMorgan Chase Bank, N.A.

by /s/ William J. Morgan

Name: William J. Morgan

Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:** JPMorgan Flexible Credit Long Short Fund

by /s/ William J. Morgan

Name: William J. Morgan

Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:

**Name of Institution:** GIM Specialist Investment Funds – GIM Multi Sector Credit Fund

by /s/ William J. Morgan  
Name: William J. Morgan  
Title: Managing Director

For any institution requiring a second signature line:

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



**Name of Institution:** Senior Secured Loan Fund, the Initial Series Trust of GIM Trust 2

by /s/ William J. Morgan  
Name: William J. Morgan  
Title: Managing Director

For any institution requiring a second signature line:

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

**Name of Institution:** JPMorgan Floating Rate Income Fund

by /s/ William J. Morgan

Name: William J. Morgan  
Title: Managing Director

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

**Name of Institution:** Renaissance Floating Rate Income Fund

BY: Ares Capital Management II LLC, as Portfolio Sub-  
Advisor

By: /s/ Daniel Hayward

Name: Daniel Hayward

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 Brothof  
Name: Michael Brothof  
Title: Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Renaissance 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:** 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:

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**Name of Institution:** Retirement Annuity Plan for Employees of the Army & Air Force Exchange Service

By:  /s/ Colin Donlan  
Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** RidgeWorth Funds - Seix Floating Rate High Income Fund

By: Seix Investment Advisors LLC, as Subadviser

By: /s/ George Goudelias  
Name: George Goudelias  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Riserva CLO, Ltd

By: Invesco RR Fund L.P. as Collateral Manager

By: Invesco RR Associates LLC, as general partner

By: Invesco Senior Secured Management, Inc. as sole member

By: /s/ Egan, Kevin

Name: Egan, Kevin

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** RivernorthIOaktree High Income Fund

By: Oaktree Capital Management, L.P. Its: Investment  
Manager

By: /s/ Peter Deschner  
Name: Peter Deschner  
Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott  
Name: Regan Scott  
Title: Managing Director

**Name of Institution:** RiverSource Life Insurance Company

**By:**       /s/ Steven B. Staver        
**Name:** Steven B. Staver  
**Title:** Assistant Vice President

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

**Name of Institution:** RIZAL COMMERCIAL BANKING CORPORATION

By: Its Investment Advisor, 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:

**ROCKFORD TOWER CLO 2017-1, LTD.**

By: King Street Capital Management, L.P. Its Authorized  
Signatory

by /s/ Howard Baum

\_\_\_\_\_  
Name: Howard Baum

Title: Authorized Signatory

**Name of Institution:** Rockwall CDO II Ltd.

By Highland Capital Management, L.P., As Servicer

By: /s/ Charter Chism  
Name: Carter Chism  
Title: Authorized Signatory

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:** RSUI Indemnity Company

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

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

By: /s/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Russell Investment Company Russell Global Opportunistic Credit Fund

BY: THL Credit Advisors LLC, as Investment 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:** Russell Investment Company Russell Multi-Strategy Income Fund

THL Credit Advisors LLC, as Investment 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:** Russell Investment Company Russell Short Duration Bond Fund

BY: THL Credit Advisors LLC, as Investment 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:** Russell Investment Company Unconstrained Total Return Fund

by THL Credit Advisors LLC, as Investment 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:** Russell Investments Institutional Funds, LLC Multi-Asset Core Plus Fund

BY: THL Credit Advisors LLC, as Investment 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:

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**Name of Institution:** Russell Investments Ireland Limited on behalf of the Russell Floating Rate Fund, a subfund of Russell Qualifying Investor Alternative Investment Funds plc

BY: THL Credit Advisors LLC, as Investment 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:** SAEV Masterfonds Wellington Global High Yield

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:** Safety Insurance Company

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:** Salem Fields 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:

**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: San Gabriel CLO I, LTD

BY: Its Investment Advisor, CVC Credit Partners, LLC on  
behalf of Resource Capital Asset Management (RCAM)

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:** Saranac CLO I 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:** Saranac CLO II 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:

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**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 PRO Loan VII Limited

By: Guggenheim Partners Investment Management, LLC as  
Investment Advisor

By: /s/ Kaitlin Trinh  
Name: Kaitlin Trinh  
Title: Authorized Person

For any institution requiring a second signature line:

By:  
Name:  
Title:



Name of Institution: SC PRO LOAN VII LTD.

By: /s/ David Martino \_\_\_\_\_  
Name: David Martino  
Title: Controller

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** SC Pro Loan VII Limited

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: Schlumberger Group Trust

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

By:  /s/ Kelly Byrne \_\_\_\_\_  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Schlumberger Group Trust

By:             /s/ Colin Donlan \_\_\_\_\_  
Name: Colin Donlan  
Title: Authorized Signatory

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: Seaside National Bank & Trust**

by /s/ Thomas N. Grant  
Name: Thomas N. Grant  
Title: SVP & Chief Credit Officer

For any institution requiring a second signature line:

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

**Name of Institution:** Seasons Series Trust - Diversified Fixed Income 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:

**Name of Institution:** SEI INSTITUTIONAL INVESTMENTS TRUST - OPPORTUNISTIC INCOME FUND

BY: ARES MANAGEMENT LLC, AS SUB- ADVISOR

By: /s/ Daniel Hayward  
Name: Daniel Hayward  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**Name of Institution:** SEI INSTITUTIONAL MANAGED TRUST ENHANCED INCOME FUND

BY: ARES MANAGEMENT LLC, AS SUB-ADVISER

By: /s/ Daniel Hayward  
Name: Daniel Hayward  
Title: Authorized Signatory

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 Goudelias

Name: George Goudelias

Title: Managing Director

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Seneca Park CLO, Ltd.

By: GSO I 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:** Sentry Insurance a Mutual Company

**BY:** Invesco Senior Secured Management, Inc. as Sub-Advisor

**By:** /s/ Kevin Egan  
**Name:** Kevin Egan  
**Title:** Authorized Individual

For any institution requiring a second signature line:

**By:**  
**Name:**  
**Title:**

**Name of Institution: SGT Investments II L.P**

by Its General Partner SGT Investments II LLC

by /s/ Paul R. Womble  
Name: Paul R. Womble  
Title: Authorized signatory

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:

**Name of Institution:** Shackleton 2013-III CLO, Ltd.

BY: Alcentra NY, LLC, as investment advisor

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 2015-VII 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 2015-VIII 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 2016-IX 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:  
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Title:

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**Name of Institution:** SHBNPP US Senior Loan Private Special Asset Investment Trust No.1 (H)[Loan]

By: CIFC Asset Management LLC, its Advisor

By: /s/ Elizabeth Crow  
Name: Elizabeth Chow  
Title: Senior Investment Analyst

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Sheet Metal Workers Pension Plan of Northern California

By: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the Sheet Metal Workers Pension Plan of Northern  
California, account number MW2F3001042

By: /s/ John Heitkemper  
Name: John Heitkemper  
Title: Portfolio Manager

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:** Sheridan Square CLO, Ltd.

By: GSO I 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: Silver Spring 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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**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:

**Name of Institution:** Smithfield Foods Master Trust

by THL Credit Advisors LLC,  
as Investment 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: Societe Generale Grand Cayman Branch**

by /s/ David Morin  
Name: David Morin  
Title: Managing Director

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**Name of Institution: Societe Generale (MEI:FR1L399779)**

by /s/ Julien Thinat

Name: Julien Thinat

Title: Authorized Signatory

\_\_\_\_\_

**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:



**Name of Institution:** Sound Harbor Loan Fund 2014-1 Ltd.

By Allianz Global Investors U.S. LLC, as Manager

By: /s/ Thomas E. Bancroft

Name: Thomas E. Bancroft

Title: Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** South Carolina Retirement Systems Group 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:** SSD LOAN FUNDING 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:** Staniford Street 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:** 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:** State—Boston Retirement System

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang  
Name: Wayne Hosang  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon  
Name: Brian McKeon  
Title: Vice President





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**Name of Institution:** Steele Creek CLO 2015-1, LTD.

By:            /s/ Paul Cal  
Name: Paul Cal  
Title: Senior Analyst

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Steele Creek CLO 2016-1, 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:** Stewart Park CLO, Ltd.

BY: GSO I 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:** Stichting Bedrijfstakpensioenfonds voor het Beroepsvervoer over de Weg

By: Logan Circle Partners, LP as Investment Manager

By: /s/ Hume Najdawi  
Name: Hume Najdawi  
Title: Associate

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:

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**Name of Institution:** Stichting Bedrijfstakpensioenfonds voor het Schilders-, Afwekings- en Glaszetbedrijf

By: /s/ Colin Donlan

Name: Colin Donlan

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



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**Name of Institution:** BSG Fund Management B.V. on behalf of the Stichting Blue Sky Active Fixed Income US Leveraged Loan Fund

By THL Credit Senior Loan Strategies LLC, as 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:** 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 Pensioenfonds voor Fysiotherapeuten

By: /s/ Colin Donlan  
Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Stichting PGGM Depositary

BY: Acting in its capacity as depositary of PGGM High Yield  
Bond Fund

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:

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**Name of Institution:** Stone Harbor Collective Investment Trust - Stone Harbor Bank Loan Collective Fund

By: /s/ Adam Shaprio  
Name: Adam Shaprio  
Title: General Counsel

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Stone Harbor Global Funds PLC - Stone Harbor Leveraged Loan Portfolio

By: /s/ Adam Shaprio  
Name: Adam Shaprio  
Title: General Counsel

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Stone Harbor Leveraged Loan Fund LLC

By: /s/ Adam Shaprio

Name: Adam Shaprio

Title: General Counsel

For any institution requiring a second signature line:

By:

Name:

Title:

**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:



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**Name of Institution:** Stoney Lane Funding I, Ltd.

By: HillMark Capital Management, L.P., as Collateral  
Manager, as Lender

By: /s/ Mark Gold  
Name: Mark Gold  
Title: CEO

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Stratford CLO, Ltd.

By: Highland Capital Management, L.P.,  
As Servicer

By: /s/ Carter Chism

Name: Carter Chism  
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:

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**Name of Institution:** Sumitomo Mitsui Trust Bank, Limited, New York Branch

by /s/ Albert C. Tew II

Name: Albert C. Tew II

Title: Head of Documentation Americas

**Name of Institution:** Sun Life Assurance Company of Canada

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:** SunAmerica Senior Floating Rate Fund, Inc.

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:** Sunsuper Pooled Superannuation 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:** SureTec 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: 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:

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**Name of Institution:** Swiss Capital Alternative Strategies Funds SPC for the Account of SC Alternative Strategy 7SP

By: /s/ Gretchen Bergstresser

Name: Gretchen Bergstresser

Title: Senior Portfolio Manager

For any institution requiring a second signature line:

By:

Name:

Title:

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TRANSDIGM INC. SECOND AMENDED  
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**Name of Institution:** Swiss Capital Alternative Strategies Funds SPC for the Account of SC Alternative Strategy 9SP

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:** Swiss capital Pro Loan III Plc

By: Guggenheim Partners Investment Management, LLC as  
Investment Advisor

By: /s/ Kaitlin Trinh  
Name: Kaitlin Trinh  
Title: Authorized Person

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Swiss Capital Pro Loan III plc

By: /s/ Gretchen Bergstresser  
Name: Gretchen Bergstresser  
Title: Senior Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**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 V plc

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:** Swiss Capital PRO Loan V PLC

By: Guggenheim Partners Investment Management, LLC as  
Investment Advisor

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:** 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:** Swiss Capital PRO Loan VIII PLC

By: Guggenheim Partners Investment Management, LLC as  
Investment Advisor

By: /s/ Kaitlin Trinh  
Name: Kaitlin Trinh  
Title: Authorized Person

For any institution requiring a second signature line:

By:  
Name:  
Title:

Name of Institution: Swiss capital Pro Loan VIII PLC

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 VIII PLC

By:       /s/ Gretchen Bergstresser        
Name: Gretchen Bergstresser  
Title: Senior Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** BayCity Alternative Investment Funds SICAV-SIF - BayCity US Senior Loan Fund

By: Symphony Asset Management LLC

By: /s/ scott caraher \_\_\_\_\_  
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

Name of Institution: California Street CLO XII, Ltd.

By: Symphony Asset Management LLC

By: /s/ scott caraher  
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Symphony CLO XIV, Ltd

By: Symphony Asset Management LLC

By: /s/ scott caraher  
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:





**Name of Institution:** Symphony CLO XVI, LTD

By: Symphony Asset Management LLC

By:                   /s/ scott caraher                    
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Symphony CLO XVII, LTD

By: Symphony Asset Management LLC

By:         /s/ scott caraher          
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**Name of Institution:** T. Rowe Price Floating Rate Fund, Inc.

By:       /s/ Brian Burns        
Name: Brian Burns  
Title: Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** T. Rowe Price Institutional Floating Rate Fund

By: /s/ Brian Burns  
Name: Brian Burns  
Title: Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Taconic Park CLO Ltd.

By: GSO I 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:** TCI-Cent CLO 2016-1 Ltd.

By: TCI Capital Management LLC  
As Collateral Manager

By: Columbia Management Investment Advisers, LLC  
As Sub-Advisor

By: /s/ Steven B. Staver  
Name: Steven B. Staver  
Title: Assistant Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Silverado CLO 2006-11 Limited.  
By: New York Life Investment Management LLC,  
as Portfolio Manager and Attorney-In-Fact

by /s/ Daymian Campbell  
Name: Daymian Campbell  
Title: Director

**Name of Institution:** Flatiron CLO 2007-1 Ltd.  
**By:** New York Life Investment Management LLC,  
as Collateral Manager and Attorney-In-Fact

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

**Name of Institution:** **Flatiron CLO 2011-1 Ltd.**  
**By: New York Life Investment Management LLC,**  
**as Collateral Manager and Attorney-In-Fact**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

**Name of Institution:** **Flatiron CLO 2012-1 Ltd.**  
**By: New York Life Investment Management LLC,**  
**as Collateral Manager and Attorney-In-Fact**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

Name of Institution: **Flatiron CLO 2013-1 Ltd.**  
**By: New York Life Investment Management LLC,**  
**as Collateral Manager and Attorney-In-Fact**

by /s/ Daymian Campbell  
Name: Daymian Campbell  
Title: Director

**Name of Institution:** **Flatiron CLO 2014-1 Ltd.**  
**By: NYL Investors LLC,**  
**as Collateral Manager and Attorney-In-Fact**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

**Name of Institution:**           **Flatiron CLO 2015-1 Ltd.**  
  **By: NYL Investors LLC,**  
  **as Collateral Manager and Attorney-In-Fact**

by /s/ Daymian Campbell  
Name: Daymian Campbell  
Title: Director

**Name of Institution:** TCI-Flatiron CLO 2016-1 Ltd.

**By: TCI Capital Management LLC,  
its Collateral Manager**

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

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director



**Name of Institution:**        **MainStay Floating Rate Fund,  
a series of MainStay Funds Trust  
By: NYL Investors LLC,  
its Subadvisor**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

**Name of Institution:**           **MainStay VP Floating Rate Portfolio,  
a series of MainStay VP Funds Trust  
By: NYL Investors LLC,  
its Subadvisor**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

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**Name of Institution: New York Life Insurance Company**

by /s/ Daymian Campbell

Name: Daymian Campbell

Title: Director

**Name of Institution:**            **New York Life Insurance and Annuity Corporation**  
**By: NYL Investors LLC,**  
**its Investment Manager**

by /s/ Daymian Campbell  
Name: Daymian Campbell  
Title: Director

**Name of Institution:** TCI-Symphony CLO 2016-1 Ltd.

By: Symphony Asset Management LLC

By: /s/ scott caraher  
Name: scott caraher  
Title: portfolio manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** TCW Funds - MetWest High Yield Bond Fund

BY: TCW Investment Management Company as Investment  
Manager

By: /s/ Bibi Khan  
Name: Bibi Khan  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Olan  
Name: Nora Olan  
Title: Senior Vice President

**Name of Institution:** TCW High Yield Bond Fund

BY: TCW Investment Management Company as Investment  
Manager

By: /s/ Bibi Khan

Name: Bibi Khan

Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Nora Loan

Name: Nora Olan

Title: Senior Vice President

**Name of Institution:** Teachers Insurance and Annuity Association of America

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** TIAA STABLE VALUE ANNUITY

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Teachers' Retirement System of Louisiana

By: AllianceBernstein L.P., as Investment Advisor

By: /s/ Neil Ruffell  
Name: Neil Ruffell  
Title: VP - Corporate Actions

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:

**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:

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**Name of Institution:** Thacher Park CLO, Ltd.

BY: GSO I 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:** Thayer Park CLO Ltd.

By: GSO I 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 City of New York Group Trust

BY: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan  
Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** THE CITY OF NEW YORK GROUP TRUST

BY: Credit Suisse Asset Management, LLC, as its 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:** The Coca-Cola Company Master Trust For 401(K) Plans

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:

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**Name of Institution:** The Dreyfus/Laurel Funds, Inc. - Dreyfus Floating Rate Income Fund

By: Alcentra NY, LLC, as investment advisor

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:** THE EATON CORPORATION MASTER RETIREMENT TRUST

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:** The Hartford Floating Rate 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 Hartford Floating Rate High 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 Hartford Inflation Plus 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 Hartford Short Duration 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 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 Hartford Total Return Bond 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:** Hartford Total Return Bond HLS 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 Loomis Sayles Senior Loan Fund, LLC

By: Loomis, Sayles & Company, L.P., Its Managing Member

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:** The Standard Fire Insurance Company

By /s/ Annette M. Masterson  
Name: Annette M. Masterson  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:** The United States Life Insurance Company In the City of New York

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan  
Name: Kevin Egan  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** The Variable Annuity Life Insurance Company

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Kevin Egan

Name: Kevin Egan

Title: Authorized Individual

For any institution requiring a second signature line:

By:

Name:

Title:

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**Name of Institution:** The Western and Southern Life Insurance Company

By: /s/ Bernie M. Casey  
Name: Bernie M. Casey  
Title: AVP & Senior Credit Analyst

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**Name of Institution:** THL Credit Bank Loan Select Master Fund, a Class of The THL Credit Bank Loan Select Series Trust I

BY: THL Credit Senior Loan Strategies LLC, as Investment  
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 2012-1 CLO Ltd.

BY: THL Credit Senior Loan Strategies LLC, as Investment  
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:

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**Name of Institution:** THL Credit Wind River 2014-1 CLO Ltd.

By THL Credit Advisors LLC, as Investment 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 2015-1 CLO Ltd.

By THL Credit Senior Loan Strategies LLC, as 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 2015-2 CLO Ltd.

By THL Credit Senior Loan Strategies LLC, its 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 2016-1 CLO Ltd.

By THL Credit Senior Loan Strategies LLC, its 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 2016-2 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 2017-1 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:



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**Name of Institution:** Teachers Advisors, Inc., on behalf of TIAA CLO I, Ltd

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** TIAA CLO II LTD

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** TIAA Global Public Investments, LLC â€” Series Loan

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Teachers Advisors, Inc., on behalf of TIAA-CREF Bond Fund

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Teachers Advisors, Inc., on behalf of TIAA-CREF Bond Plus Fund

By: /s/ Anders Persson  
Name: Anders Persson  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Teachers Advisors, Inc., on behalf of TIAA-CREF Short-Term Bond Fund

By: /s/ Anders Persson  
Title: Anders Persson  
Name: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution: TICP CLO I, Ltd.**

By: TICP CLO I 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: TICP CLO II, Ltd.**

By: TICP CLO II 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: TICP CLO III, Ltd.**  
By: TICP CLO III 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: TICP CLO IV, Ltd.**  
By: TICP CLO IV 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: TICP CLO V 2016-1, Ltd.**

By: TICP CLO V 2016-1 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: TICP CLO VI 2016-2, Ltd.**

By: TICP CLO VI 2016-2 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:** TRALEE CDO I 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:

**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:

**Name of Institution:** TRALEE CLO III, 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:

**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/ Daniel Hayward

Name: Daniel Hayward

Title: Authorized Signatory

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Treman Park CLO, Ltd.

BY: GSO I 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:

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AND RESTATED CREDIT AGREEMENT

**Name of Institution:** Trinitas CLO I, Ltd.

By: /s/ Gibran Mahmud  
Name: Gibran Mahmud  
Title: Chief Investment Officer of Triumph  
Capital Advisors, LLC As Asset Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** Trinitas CLO II, 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 III, 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 IV, 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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TRANSDIGM INC. SECOND AMENDED  
AND RESTATED CREDIT AGREEMENT

**Name of Institution:** Trinitas CLO V, Ltd.

By: /s/ Gibran Mahmud  
Name: Gibran Mahmud  
Title: Chief Investment Officer

For any institution requiring a second signature line:

By:  
Name:  
Title:

**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:





**Name of Institution:** Trustmark Insurance Company

By: Crescent Capital Group LP, its adviser

By: /s/ Wayne Hosang  
Name: Wayne Hosang  
Title: Managing Director

For any institution requiring a second signature line:

By: /s/ Brian McKeon  
Name: Brian McKeon  
Title: Vice President

**Name of Institution:** Tryon Park CLO Ltd.

BY: GSO I 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: UAW Retiree Medical Benefits Trust**

**By State Street Bank and Trust Company as Trustee**

by /s/ Teri Carroll  
\_\_\_\_\_  
Name: Teri Carroll  
Title: Vice President

For any institution requiring a second signature line:

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

**Name of Institution:** USB AG, Stamford Branch  
**As Revolver Lender**

by /s/ Craig Pearson

Name: Craig Pearson

Title: Associate Director

by /s/ Darlene Arias

Name: Darlene Arias

Title: Director

**Name of Institution:** UBS AG, Stamford Branch  
**As Term Loan Lender**

by /s/ Craig Pearson  
Name: Craig Pearson  
Title: Associate Director

For any institution requiring a second signature line:

by /s/ Darlene Arias  
Name: Darlene Arias  
Title: Director

**Name of Institution:** UBS Financial Services Inc. Pension Plan

As: Bradford & Marzec, LLC as Investment Advisor on behalf  
of the UBS Financial Services Inc. Pension Plan, account  
number 17-01283IPWB04

By: /s/ John Heitkemper  
Name: John Heitkemper  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

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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:

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**Name of Institution:** United HealthCare Insurance Company

BY: GSO Capital Advisors LLC as Manager

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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**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:** Upland CLO, Ltd.

By: Invesco Senior Secured Management, Inc. as Collateral  
Manager

By: /s/ Egan, Kevin  
Name: Egan, Kevin  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Upper Tier Corporate Loan Fund 1

By: Invesco Senior Secured Management, Inc. as Investment  
Manager

By: /s/ Egan, Kevin  
Name: Egan, Kevin  
Title: Authorized Individual

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**Name of Institution:** US Bank N.A., solely as trustee of the DOLL Trust (for Qualified Institutional Investors only), (and not in its individual capacity)

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:

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**Name of Institution:** US Loan SV S.a.r.l.

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:** U.S. Specialty Insurance 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:**

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**Name of Institution:** USAA Mutual Funds Trust - USAA Short - Term Bond Fund

By: /s/ John Spear

Name: John Spear

Title: VP Long Term Fixed Income

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Utica Mutual Insurance Company

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:** Valcour Opportunities Master Fund, Ltd.

By: /s/ John D'Angelo  
Name: John D'Angelo  
Title: Sr. Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** VALIDUS REINSURANCE 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:

**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 Majmudar  
Name: Anar Majmudar  
Title: Authorized Signatory

**Name of Institution:** Venture VI CDO 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 VII CDO 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 VIII CDO, 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 X 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 XI 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 XII 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 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 XIV 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 XV 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 XVI 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 XVII 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 XX 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 XXI 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 XXII 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 XXIII 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 XXIV 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:** 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 II, Ltd.

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

By: /s/ Roberta Goss  
Name: Roberta Goss  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:



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**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:

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**Name of Institution:** VIBRANT CLO, LTD.

By: DFG Investment Advisers, Inc. as Portfolio Manager

By: /s/ Roberta Goss  
Name: Roberta Goss  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**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:** Virginia College Savings Plan

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:** Virtus Credit Opportunities 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 Unconstrained Bond 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 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:** Volvo Group Retirement Trust

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: VONWIN CAPITAL MANAGEMENT, LP**

by /s/ Roger Von Spiegel

Name: **Roger Von Spiegel**  
Title: **Managing/Director**

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

**Name of Institution:** Voya CLO 2012-2, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2012-3, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2012-4, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2013-1, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2013-2, Ltd.

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:



**Name of Institution:** Voya CLO 2013-3, Ltd.

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Voya CLO 2014-1, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2014-2, Ltd.

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

By: /s/ Kelly Byrne

Name: Kelly Byrne

Title: VP

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** Voya CLO 2014-3, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2014-4, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2015-1, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2015-2, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2015-3, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Voya CLO 2016-1, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2016-2, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2016-3, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya CLO 2016-4, Ltd.

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

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/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

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**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/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

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/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Voya Prime Rate Trust

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Voya Senior Income Fund

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

By: /s/ Kelly Byrne  
Name: Kelly Byrne  
Title: VP

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution : Waddell & Reed Advisors Global Bond Fund**

by /s/ Mark Beischel \_\_\_\_\_

Name: Mark Beischel  
Title: Sr Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

**Name of Institution: Ivy VIP Global Bond**

by /s/ Mark Beischel  
Name: Mark Beischel  
Title: Sr Vice President

For any institution requiring a second signature line:

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

**Name of Institution: Ivy Global Bond Fund**

by /s/ Mark Beischel \_\_\_\_\_

Name: Mark Beischel  
Title: Sr Vice President

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:  
Title:

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**Name of Institution:** Wasatch CLO Ltd

BY: Invesco Senior Secured Management, Inc. as  
Portfolio Manager

By: /s/ Kevin Egan  
Name: Kevin Egan  
Title: Authorized Individual

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

By: Neuberger Berman Investment Advisers LLC, as  
Contactor

By: /s/ Colin Donlan

Name: Colin Donlan  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Webster Park CLO, Ltd

By: GSO I 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:





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**Name of Institution:** Wellfleet CLO 2016-2, Ltd.

By:         /s/ Dennis Talley    
Name: Dennis Talley  
Title: Portfolio Manager

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Wellington Multi-Sector Credit 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:

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**Name of Institution:** Wellington Trust Company, National Association Multiple Common Trust Funds Trust, Core Bond Plus/High Yield Bond 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:** Wellington Trust Company, NA Multiple Collective Investment Funds Trust II, Multi Sector Credit Portfolio

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:

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**Name of Institution:** Wellington Trust Company, National Association Multiple Common Trust Funds Trust- Opportunistic Fixed Income Allocation 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:** Wellington Trust Company, National Association Multiple Collective Investment Funds Trust II, Core Bond PlusIHigh Yield Bond 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:** Wellington Trust Company, National Association Multiple Common Trust Funds Trust Opportunistic Inflation Sensitive Bond 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:



**Name of Institution:** Wellmark, Inc.

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:** Wells Fargo (Lux) Worldwide Fund - U.S. Short-Term High Yield Bond Fund

BY: Wells Capital Management, it Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Wells Fargo Short-Term High Yield Bond Fund

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Wells Fargo Strategic Income Fund

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution: WELLS FARGO, NATIONAL ASSOCIATION**

by /s/ Jill Hamilton  
Name: Jill Hamilton  
Title: Vice President

For any institution requiring a second signature line:

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



Name of Institution : **WELLS FARGO BANK, N.A**

By /s/ Sanjay Roy  
Name: Sanjay Roy  
Title: Managing Director

For any institution requiring a second signature line:

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

**Name of Institution:** Wells Fargo Core Plus Bond Fund

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Wells Fargo Multi-Sector Income Fund

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Wells Fargo Real Return Portfolio

by: Wells Capital Management, as Investment Advisor

By: /s/ Benjamin Fandinola  
Name: Benjamin Fandinola  
Title: Trade Operations Specialist

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** West CLO 2012-1 Ltd.

By: /s/ Joanna Willars  
Name: Joanna Willars  
Title: Vice President, Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** West CLO 2014-1 Ltd.

By: /s/ Joanna Willars

Name: Joanna Willars

Title: Vice President, Analyst

For any institution requiring a second signature line:

By:

Name:

Title:

**Name of Institution:** West CLO 2014-2 Ltd.

By:  /s/ Joanna Willars \_\_\_\_\_  
Name: Joanna Willars  
Title: Vice President, Analyst

For any institution requiring a second signature line:

By:  
Name:  
Title:



**Name of Institution:** Westchester CLO, Ltd.

By: Highland Capital Management, L.P.,  
As Servicer

By: /s/ Carter Chism

Name: Carter Chism  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Westcott Park CLO, Ltd.

By: GSO I Blackstone Debt Funds Management LLC as  
Collateral Manager to Warehouse Parent, Ltd.

By: /s/ Thomas Iannarone  
Name: Thomas Iannarone  
Title: Authorized Signatory

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Westwood CDO I LTD

By: Alcentra NY, LLC, as investment advisor

By: /s/ Robert Davis  
Name: Robert Davis  
Title: Senior Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** Westwood CDO II LTD

By: Alcentra NY, LLC, as investment advisor

By: /s/ Robert Davis  
Name: Robert Davis  
Title: Senior Vice President

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution: WhiteHorse VI, Ltd.**

By: H.I.G. WhiteHorse Capital, LLC

As: Collateral Manager

by /s/ Jay Carvell  
Name: Jay Carvell  
Title: Manager

For any institution requiring a second signature line:

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

**Name of Institution: WhiteHorse VII, Ltd.**

By: H.I.G. WhiteHorse Capital, LLC

As: Collateral Manager

by /s/ Jay Carvell  
Name: Jay Carvell  
Title: Manager

For any institution requiring a second signature line:

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

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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:

**Name of Institution:** WM Pool - High Yield Fixed Interest Trust

By: Oaktree Capital Management, L.P.  
Its: Investment Manager

By: /s/ Peter Deschner  
Name: Peter Deschner  
Title: Senior Vice President

For any institution requiring a second signature line:

By: /s/ Regan Scott  
Name: Regan Scott  
Title: Managing Director



**Name of Institution:** Workers Compensation 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:** 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:** Yellowstone 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: York CLO-1 Ltd.**

by /s/ Rizwan Akhter

\_\_\_\_\_  
Name: Rizwan Akhter

Title: Authorized signatory

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

by /s/ Rizwan Akhter

\_\_\_\_\_  
Name: Rizwan Akhter

Title: Authorized signatory

**Name of Institution: York CLO-3 Ltd.**

by /s/ Rizwan Akhter

\_\_\_\_\_  
Name: Rizwan Akhter

Title: Authorized signatory

**Name of Institution: York CLO-4 Ltd.**

by /s/ Rizwan Akhter

\_\_\_\_\_  
Name: Rizwan Akhter

Title: Authorized signatory

**Name of Institution: Z Capital Credit Partners CLO 2015-1 Ltd.**

By: Z Capital CLO Management L.L.C., its Portfolio  
Manager

By: Z Capital Group L.L.C., its Managing Member

By: James J. Zenni Jr. its President and CEO

by /s/ James J. Zenni, Jr.

Name: James J. Zenni, Jr.

Title: President & CEO

For any institution requiring a second signature line:

by \_\_\_\_\_

Name:

Title:



**Name of Institution:** ZAIS CLO 2, Limited

ZAIS CLO 2, Limited

By: /s/ Vincent Ingato  
Name: Vincent Ingato  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** ZAIS CLO 3, Limited

ZAIS CLO 3, Limited

By: /s/ Vincent Ingato  
Name: Vincent Ingato  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**Name of Institution:** ZAIS CLO 5, Limited

By Zais Leveraged Loan Master Manager, LLC its collateral  
manager

By: Zais Group, LLC, its sole member

By: /s/ Vincent Ingato  
Name: Vincent Ingato  
Title: Managing Director

For any institution requiring a second signature line:

By:  
Name:  
Title:

**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:

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**Name of Institution:** Zilux Senior 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: