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

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): April 6, 2020**

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**Advanced Energy Industries, Inc.**

(Exact name of registrant as specified in its charter)

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<b>Delaware</b> (State or other jurisdiction of incorporation)	<b>000-26966</b> (Commission File Number)	<b>84-0846841</b> (IRS Employer Identification No.)
<b>1595 Wynkoop Street, Suite 800, Denver, CO</b> (Address of principal executive offices)	<b>(970) 407-6626</b> (Registrant's telephone number, including area code)	<b>80202</b> (Zip Code)
<b>Not applicable</b> (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 (see General Instruction A.2. below):

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

Securities registered pursuant to Section 12(b) of the Act:

<b>Title of each class</b>	<b>Trading Symbol(s)</b>	<b>Name of each exchange on which registered</b>
<b>Common Stock, \$0.001 par value</b>	<b>AEIS</b>	<b>NASDAQ Global Select Market</b>

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging growth company ☐

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

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

On April 6, 2020 and April 7, 2020, Advanced Energy Industries, Inc. (the “Company”) executed interest rate swap transactions in an aggregate notional amount of \$286.3 million with various financial institutions. The initial notional amount of the interest rate swap transactions represents 85% of the outstanding principal balance of the term loan A debt under the Company’s existing Credit Agreement, dated as of September 10, 2019, and provides for the Company to pay an average fixed rate of 0.521% per annum in exchange for a variable interest rate based on 1-month USD-LIBOR-BBA.

One interest rate swap transaction was entered into pursuant to an ISDA Master Agreement and Schedule with HSBC Bank USA, National Association (the “*HSBC Interest Rate Swap*”), and the other was entered into pursuant to an ISDA Master Agreement and Schedule with Citibank, N.A. (the “*Citibank Interest Rate Swap*” and, together with the HSBC Interest Rate Swap, the “*Interest Rate Swaps*”). The HSBC Interest Rate Swap has an effective date of April 8, 2020, a termination date of September 10, 2024, and an initial amortizing notional amount of \$143,171,875, with the Company paying a fixed rate of 0.498% per annum and receiving a floating rate of 1-month USD-LIBOR-BBA. The Citibank Interest Rate Swap has an effective date of April 9, 2020, a termination date of September 10, 2024, and an initial amortizing notional amount of \$143,171,875, with the Company paying a fixed rate of 0.544% per annum and receiving a floating rate of 1-month USD-LIBOR-BBA.

The foregoing description of the Interest Rate Swaps does not purport to be complete and is qualified in its entirety by reference to the respective ISDA Master Agreement, Schedule and Confirmation applicable to the Interest Rate Swap with each bank, which are filed respectively as Exhibits 10.1, 10.2, 10.3, 10.4, 10.5 and 10.6 hereto and incorporated herein by reference.

**Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant.**

The disclosure set forth above under Item 1.01 is incorporated by reference into this Item 2.03.

**Item 9.01 Financial Statements and Exhibits.**

Exhibit No.	Description
10.1	<a href="#"><u>ISDA 2002 Master Agreement, by and between Advanced Energy Industries, Inc. and HSBC Bank USA, National Association, dated as of April 2, 2020 (the “HSBC ISDA Master Agreement”).</u></a>
10.2	<a href="#"><u>ISDA 2002 Master Agreement, by and between Advanced Energy Industries, Inc. and Citibank, N.A., dated as of April 7, 2020 (the “Citibank ISDA Master Agreement”, and collectively with the HSBC ISDA Master Agreement, the “ISDA Master Agreements”).</u></a>
10.3	<a href="#"><u>Schedule to the HSBC ISDA Master Agreement (the “HSBC Schedule”).</u></a>
10.4	<a href="#"><u>Schedule to the Citibank ISDA Master Agreement (the “Citibank Schedule”, and collectively with the HSBC Schedule, the “Schedules”).</u></a>
10.5	<a href="#"><u>Rate Swap Transaction Confirmation, by and between Advanced Energy Industries, Inc. and HSBC Bank USA, National Association, dated April 7, 2020 (the “HSBC Confirmation”).</u></a>
10.6	<a href="#"><u>Rate Swap Transaction Confirmation, by and between Advanced Energy Industries, Inc. and Citibank, N.A., dated April 9, 2020 (the “Citibank Confirmation”, and collectively with the HSBC Confirmation, the “Confirmations”).</u></a>

## SIGNATURES

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

Date: April 9, 2020

/s/ Paul Oldham

Paul Oldham

Chief Financial Officer & Executive Vice President



International Swaps and Derivatives Association, Inc.

# 2002 MASTER AGREEMENT

dated as of April 2, 2020

**HSBC BANK USA, NATIONAL  
ASSOCIATION**

and

**ADVANCED ENERGY INDUSTRIES,  
INC.**

have entered and/or anticipate entering into one or more transactions (each a “Transaction”) that are or will be governed by this 2002 Master Agreement, which includes the schedule (the “Schedule”), and the documents and other confirming evidence (each a “Confirmation”) exchanged between the parties or otherwise effective for the purpose of confirming or evidencing those Transactions. This 2002 Master Agreement and the Schedule are together referred to as this “Master Agreement”.

Accordingly, the parties agree as follows:—

## 1. Interpretation

- (a) **Definitions.** The terms defined in Section 14 and elsewhere in this Master Agreement will have the meanings therein specified for the purpose of this Master Agreement.
- (b) **Inconsistency.** In the event of any inconsistency between the provisions of the Schedule and the other provisions of this Master Agreement, the Schedule will prevail. In the event of any inconsistency between the provisions of any Confirmation and this Master Agreement, such Confirmation will prevail for the purpose of the relevant Transaction.
- (c) **Single Agreement.** All Transactions are entered into in reliance on the fact that this Master Agreement and all Confirmations form a single agreement between the parties (collectively referred to as this “Agreement”), and the parties would not otherwise enter into any Transactions.

## 2. Obligations

- (a) **General Conditions.**
  - (i) Each party will make each payment or delivery specified in each Confirmation to be made by it, subject to the other provisions of this Agreement.
  - (ii) Payments under this Agreement will be made on the due date for value on that date in the place of the account specified in the relevant Confirmation or otherwise pursuant to this Agreement, in freely transferable funds and in the manner customary for payments in the required currency. Where settlement is by delivery (that is, other than by payment), such delivery will be made for receipt on the due date in the manner customary for the relevant obligation unless otherwise specified in the relevant Confirmation or elsewhere in this Agreement.

(iii) Each obligation of each party under Section 2(a)(i) is subject to (1) the condition precedent that no Event of Default or Potential Event of Default with respect to the other party has occurred and is continuing, (2) the condition precedent that no Early Termination Date in respect of the relevant Transaction has occurred or been effectively designated and (3) each other condition specified in this Agreement to be a condition precedent for the purpose of this Section 2(a)(iii).

(b) **Change of Account.** Either party may change its account for receiving a payment or delivery by giving notice to the other party at least five Local Business Days prior to the Scheduled Settlement Date for the payment or delivery to which such change applies unless such other party gives timely notice of a reasonable objection to such change.

(c) **Netting of Payments.** If on any date amounts would otherwise be payable:—

- (i) in the same currency; and
- (ii) in respect of the same Transaction,

by each party to the other, then, on such date, each party's obligation to make payment of any such amount will be automatically satisfied and discharged and, if the aggregate amount that would otherwise have been payable by one party exceeds the aggregate amount that would otherwise have been payable by the other party, replaced by an obligation upon the party by which the larger aggregate amount would have been payable to pay to the other party the excess of the larger aggregate amount over the smaller aggregate amount.

The parties may elect in respect of two or more Transactions that a net amount and payment obligation will be determined in respect of all amounts payable on the same date in the same currency in respect of those Transactions, regardless of whether such amounts are payable in respect of the same Transaction. The election may be made in the Schedule or any Confirmation by specifying that "Multiple Transaction Payment Netting" applies to the Transactions identified as being subject to the election (in which case clause (ii) above will not apply to such Transactions). If Multiple Transaction Payment Netting is applicable to Transactions, it will apply to those Transactions with effect from the starting date specified in the Schedule or such Confirmation, or, if a starting date is not specified in the Schedule or such Confirmation, the starting date otherwise agreed by the parties in writing. This election may be made separately for different groups of Transactions and will apply separately to each pairing of Offices through which the parties make and receive payments or deliveries.

(d) **Deduction or Withholding for Tax.**

(i) **Gross-Up.** All payments under this Agreement will be made without any deduction or withholding for or on account of any Tax unless such deduction or withholding is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, then in effect. If a party is so required to deduct or withhold, then that party ("X") will:—

- (1) promptly notify the other party ("Y") of such requirement;
- (2) pay to the relevant authorities the full amount required to be deducted or withheld (including the full amount required to be deducted or withheld from any additional amount paid by X to Y under this Section 2(d)) promptly upon the earlier of determining that such deduction or withholding is required or receiving notice that such amount has been assessed against Y;
- (3) promptly forward to Y an official receipt (or a certified copy), or other documentation reasonably acceptable to Y, evidencing such payment to such authorities; and

(4) if such Tax is an Indemnifiable Tax, pay to Y, in addition to the payment to which Y is otherwise entitled under this Agreement, such additional amount as is necessary to ensure that the net amount actually received by Y (free and clear of Indemnifiable Taxes, whether assessed against X or Y) will equal the full amount Y would have received had no such deduction or withholding been required. However, X will not be required to pay any additional amount to Y to the extent that it would not be required to be paid but for:—

(A) the failure by Y to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d); or

(B) the failure of a representation made by Y pursuant to Section 3(f) to be accurate and true unless such failure would not have occurred but for (I) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (II) a Change in Tax Law.

(ii) **Liability.** If:—

(1) X is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, to make any deduction or withholding in respect of which X would not be required to pay an additional amount to Y under Section 2(d)(i)(4);

(2) X does not so deduct or withhold; and

(3) a liability resulting from such Tax is assessed directly against X,

then, except to the extent Y has satisfied or then satisfies the liability resulting from such Tax, Y will promptly pay to X the amount of such liability (including any related liability for interest, but including any related liability for penalties only if Y has failed to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d)).

### 3. Representations

Each party makes the representations contained in Sections 3(a), 3(b), 3(c), 3(d), 3(e) and 3(f) and, if specified in the Schedule as applying, 3(g) to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into and, in the case of the representations in Section 3(f), at all times until the termination of this Agreement). If any “Additional Representation” is specified in the Schedule or any Confirmation as applying, the party or parties specified for such Additional Representation will make and, if applicable, be deemed to repeat such Additional Representation at the time or times specified for such Additional Representation.

(a) **Basic Representations.**

(i) **Status.** It is duly organised and validly existing under the laws of the jurisdiction of its organisation or incorporation and, if relevant under such laws, in good standing;

(ii) **Powers.** It has the power to execute this Agreement and any other documentation relating to this Agreement to which it is a party, to deliver this Agreement and any other documentation relating to this Agreement that it is required by this Agreement to deliver and to perform its obligations under this Agreement and any obligations it has under any Credit Support Document to which it is a party and has taken all necessary action to authorise such execution, delivery and performance;

(iii) **No Violation or Conflict.** Such execution, delivery and performance do not violate or conflict with any law applicable to it, any provision of its constitutional documents, any order or judgment of any court or other agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets;

(iv) **Consents.** All governmental and other consents that are required to have been obtained by it with respect to this Agreement or any Credit Support Document to which it is a party have been obtained and are in full force and effect and all conditions of any such consents have been complied with; and

(v) **Obligations Binding.** Its obligations under this Agreement and any Credit Support Document to which it is a party constitute its legal, valid and binding obligations, enforceable in accordance with their respective terms (subject to applicable bankruptcy, reorganisation, insolvency, moratorium or similar laws affecting creditors' rights generally and subject, as to enforceability, to equitable principles of general application (regardless of whether enforcement is sought in a proceeding in equity or at law)).

(b) **Absence of Certain Events.** No Event of Default or Potential Event of Default or, to its knowledge, Termination Event with respect to it has occurred and is continuing and no such event or circumstance would occur as a result of its entering into or performing its obligations under this Agreement or any Credit Support Document to which it is a party.

(c) **Absence of Litigation.** There is not pending or, to its knowledge, threatened against it, any of its Credit Support Providers or any of its applicable Specified Entities any action, suit or proceeding at law or in equity or before any court, tribunal, governmental body, agency or official or any arbitrator that is likely to affect the legality, validity or enforceability against it of this Agreement or any Credit Support Document to which it is a party or its ability to perform its obligations under this Agreement or such Credit Support Document.

(d) **Accuracy of Specified Information.** All applicable information that is furnished in writing by or on behalf of it to the other party and is identified for the purpose of this Section 3(d) in the Schedule is, as of the date of the information, true, accurate and complete in every material respect.

(e) **Payer Tax Representation.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(e) is accurate and true.

(f) **Payee Tax Representations.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(f) is accurate and true.

(g) **No Agency.** It is entering into this Agreement, including each Transaction, as principal and not as agent of any person or entity.

#### **4. Agreements**

Each party agrees with the other that, so long as either party has or may have any obligation under this Agreement or under any Credit Support Document to which it is a party:—

(a) **Furnish Specified Information.** It will deliver to the other party or, in certain cases under clause (iii) below, to such government or taxing authority as the other party reasonably directs:—

(i) any forms, documents or certificates relating to taxation specified in the Schedule or any Confirmation;

(ii) any other documents specified in the Schedule or any Confirmation; and

(iii) upon reasonable demand by such other party, any form or document that may be required or reasonably requested in writing in order to allow such other party or its Credit Support Provider to make a payment under this Agreement or any applicable Credit Support Document without any deduction or withholding for or on account of any Tax or with such deduction or withholding at a reduced rate (so long as the completion, execution or submission of such form or document would not materially prejudice the legal or commercial position of the party in receipt of such demand), with any such form or document to be accurate and completed in a manner reasonably satisfactory to such other party and to be executed and to be delivered with any reasonably required certification,

in each case by the date specified in the Schedule or such Confirmation or, if none is specified, as soon as reasonably practicable.

(b) **Maintain Authorisations.** It will use all reasonable efforts to maintain in full force and effect all consents of any governmental or other authority that are required to be obtained by it with respect to this Agreement or any Credit Support Document to which it is a party and will use all reasonable efforts to obtain any that may become necessary in the future.

(c) **Comply With Laws.** It will comply in all material respects with all applicable laws and orders to which it may be subject if failure so to comply would materially impair its ability to perform its obligations under this Agreement or any Credit Support Document to which it is a party.

(d) **Tax Agreement.** It will give notice of any failure of a representation made by it under Section 3(f) to be accurate and true promptly upon learning of such failure.

(e) **Payment of Stamp Tax.** Subject to Section 11, it will pay any Stamp Tax levied or imposed upon it or in respect of its execution or performance of this Agreement by a jurisdiction in which it is incorporated, organised, managed and controlled or considered to have its seat, or where an Office through which it is acting for the purpose of this Agreement is located ("Stamp Tax Jurisdiction"), and will indemnify the other party against any Stamp Tax levied or imposed upon the other party or in respect of the other party's execution or performance of this Agreement by any such Stamp Tax Jurisdiction which is not also a Stamp Tax Jurisdiction with respect to the other party.

## **5. Events of Default and Termination Events**

(a) **Events of Default.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any of the following events constitutes (subject to Sections 5(c) and 6(e)(iv)) an event of default (an "Event of Default") with respect to such party:—

(i) **Failure to Pay or Deliver.** Failure by the party to make, when due, any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) required to be made by it if such failure is not remedied on or before the first Local Business Day in the case of any such payment or the first Local Delivery Day in the case of any such delivery after, in each case, notice of such failure is given to the party;

(ii) **Breach of Agreement; Repudiation of Agreement.**

(1) Failure by the party to comply with or perform any agreement or obligation (other than an obligation to make any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) or to give notice of a Termination Event or any agreement or obligation under Section 4(a)(i), 4(a)(iii) or 4(d)) to be complied with or performed by the party in accordance with this Agreement if such failure is not remedied within 30 days after notice of such failure is given to the party; or

(2) the party disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, this Master Agreement, any Confirmation executed and delivered by that party or any



Transaction evidenced by such a Confirmation (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iii) ***Credit Support Default.***

(1) Failure by the party or any Credit Support Provider of such party to comply with or perform any agreement or obligation to be complied with or performed by it in accordance with any Credit Support Document if such failure is continuing after any applicable grace period has elapsed;

(2) the expiration or termination of such Credit Support Document or the failing or ceasing of such Credit Support Document, or any security interest granted by such party or such Credit Support Provider to the other party pursuant to any such Credit Support Document, to be in full force and effect for the purpose of this Agreement (in each case other than in accordance with its terms) prior to the satisfaction of all obligations of such party under each Transaction to which such Credit Support Document relates without the written consent of the other party; or

(3) the party or such Credit Support Provider disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, such Credit Support Document (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iv) ***Misrepresentation.*** A representation (other than a representation under Section 3(e) or 3(f)) made or repeated or deemed to have been made or repeated by the party or any Credit Support Provider of such party in this Agreement or any Credit Support Document proves to have been incorrect or misleading in any material respect when made or repeated or deemed to have been made or repeated;

(v) ***Default Under Specified Transaction.*** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) defaults (other than by failing to make a delivery) under a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, that Specified Transaction;

(2) defaults, after giving effect to any applicable notice requirement or grace period, in making any payment due on the last payment or exchange date of, or any payment on early termination of, a Specified Transaction (or, if there is no applicable notice requirement or grace period, such default continues for at least one Local Business Day);

(3) defaults in making any delivery due under (including any delivery due on the last delivery or exchange date of) a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, all transactions outstanding under the documentation applicable to that Specified Transaction; or

(4) disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, a Specified Transaction or any credit support arrangement relating to a Specified Transaction that is, in either case, confirmed or evidenced by a document or other confirming evidence executed and delivered by that party, Credit Support Provider or Specified Entity (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(vi) **Cross-Default.** If “Cross-Default” is specified in the Schedule as applying to the party, the occurrence or existence of:—

(1) a default, event of default or other similar condition or event (however described) in respect of such party, any Credit Support Provider of such party or any applicable Specified Entity of such party under one or more agreements or instruments relating to Specified Indebtedness of any of them (individually or collectively) where the aggregate principal amount of such agreements or instruments, either alone or together with the amount, if any, referred to in clause (2) below, is not less than the applicable Threshold Amount (as specified in the Schedule) which has resulted in such Specified Indebtedness becoming, or becoming capable at such time of being declared, due and payable under such agreements or instruments before it would otherwise have been due and payable; or

(2) a default by such party, such Credit Support Provider or such Specified Entity (individually or collectively) in making one or more payments under such agreements or instruments on the due date for payment (after giving effect to any applicable notice requirement or grace period) in an aggregate amount, either alone or together with the amount, if any, referred to in clause (1) above, of not less than the applicable Threshold Amount;

(vii) **Bankruptcy.** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) is dissolved (other than pursuant to a consolidation, amalgamation or merger); (2) becomes insolvent or is unable to pay its debts or fails or admits in writing its inability generally to pay its debts as they become due; (3) makes a general assignment, arrangement or composition with or for the benefit of its creditors; (4)(A) institutes or has instituted against it, by a regulator, supervisor or any similar official with primary insolvency, rehabilitative or regulatory jurisdiction over it in the jurisdiction of its incorporation or organisation or the jurisdiction of its head or home office, a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation by it or such regulator, supervisor or similar official, or (B) has instituted against it a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation, and such proceeding or petition is instituted or presented by a person or entity not described in clause (A) above and either (I) results in a judgment of insolvency or bankruptcy or the entry of an order for relief or the making of an order for its winding-up or liquidation or (II) is not dismissed, discharged, stayed or restrained in each case within 15 days of the institution or presentation thereof; (5) has a resolution passed for its winding-up, official management or liquidation (other than pursuant to a consolidation, amalgamation or merger); (6) seeks or becomes subject to the appointment of an administrator, provisional liquidator, conservator, receiver, trustee, custodian or other similar official for it or for all or substantially all its assets; (7) has a secured party take possession of all or substantially all its assets or has a distress, execution, attachment, sequestration or other legal process levied, enforced or sued on or against all or substantially all its assets and such secured party maintains possession, or any such process is not dismissed, discharged, stayed or restrained, in each case within 15 days thereafter; (8) causes or is subject to any event with respect to it which, under the applicable laws of any jurisdiction, has an analogous effect to any of the events specified in clauses (1) to (7) above (inclusive); or (9) takes any action in furtherance of, or indicating its consent to, approval of, or acquiescence in, any of the foregoing acts; or

(viii) **Merger Without Assumption.** The party or any Credit Support Provider of such party consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets to, or reorganises, reincorporates or reconstitutes into or as, another entity and, at the time of such consolidation, amalgamation, merger, transfer, reorganisation, reincorporation or reconstitution:—

(1) the resulting, surviving or transferee entity fails to assume all the obligations of such party or such Credit Support Provider under this Agreement or any Credit Support Document to which it or its predecessor was a party; or

(2) the benefits of any Credit Support Document fail to extend (without the consent of the other party) to the performance by such resulting, surviving or transferee entity of its obligations under this Agreement.

(b) **Termination Events.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any event specified below constitutes (subject to Section 5(c)) an Illegality if the event is specified in clause (i) below, a Force Majeure Event if the event is specified in clause (ii) below, a Tax Event if the event is specified in clause (iii) below, a Tax Event Upon Merger if the event is specified in clause (iv) below, and, if specified to be applicable, a Credit Event Upon Merger if the event is specified pursuant to clause (v) below or an Additional Termination Event if the event is specified pursuant to clause (vi) below:—

(i) **Illegality.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, due to an event or circumstance (other than any action taken by a party or, if applicable, any Credit Support Provider of such party) occurring after a Transaction is entered into, it becomes unlawful under any applicable law (including without limitation the laws of any country in which payment, delivery or compliance is required by either party or any Credit Support Provider, as the case may be), on any day, or it would be unlawful if the relevant payment, delivery or compliance were required on that day (in each case, other than as a result of a breach by the party of Section 4(b)):—

(1) for the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction to perform any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, to receive a payment or delivery in respect of such Transaction or to comply with any other material provision of this Agreement relating to such Transaction; or

(2) for such party or any Credit Support Provider of such party (which will be the Affected Party) to perform any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, to receive a payment or delivery under such Credit Support Document or to comply with any other material provision of such Credit Support Document;

(ii) **Force Majeure Event.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, by reason of force majeure or act of state occurring after a Transaction is entered into, on any day:—

(1) the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction is prevented from performing any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, from receiving a payment or delivery in respect of such Transaction or from complying with any other material provision of this Agreement relating to such Transaction (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or

impracticable for such Office so to perform, receive or comply (or it would be impossible or impracticable for such Office so to perform, receive or comply if such payment, delivery or compliance were required on that day); or

(2) such party or any Credit Support Provider of such party (which will be the Affected Party) is prevented from performing any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, from receiving a payment or delivery under such Credit Support Document or from complying with any other material provision of such Credit Support Document (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply (or it would be impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply if such payment, delivery or compliance were required on that day),

so long as the force majeure or act of state is beyond the control of such Office, such party or such Credit Support Provider, as appropriate, and such Office, party or Credit Support Provider could not, after using all reasonable efforts (which will not require such party or Credit Support Provider to incur a loss, other than immaterial, incidental expenses), overcome such prevention, impossibility or impracticability;

(iii) **Tax Event.** Due to (1) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (2) a Change in Tax Law, the party (which will be the Affected Party) will, or there is a substantial likelihood that it will, on the next succeeding Scheduled Settlement Date (A) be required to pay to the other party an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (B) receive a payment from which an amount is required to be deducted or withheld for or on account of a Tax (except in respect of interest under Section 9(h)) and no additional amount is required to be paid in respect of such Tax under Section 2(d)(i)(4) (other than by reason of Section 2(d)(i)(4)(A) or (B));

(iv) **Tax Event Upon Merger.** The party (the “Burdened Party”) on the next succeeding Scheduled Settlement Date will either (1) be required to pay an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (2) receive a payment from which an amount has been deducted or withheld for or on account of any Tax in respect of which the other party is not required to pay an additional amount (other than by reason of Section 2(d)(i)(4)(A) or (B)), in either case as a result of a party consolidating or amalgamating with, or merging with or into, or transferring all or substantially all its assets (or any substantial part of the assets comprising the business conducted by it as of the date of this Master Agreement) to, or reorganising, reincorporating or reconstituting into or as, another entity (which will be the Affected Party) where such action does not constitute a Merger Without Assumption;

(v) **Credit Event Upon Merger.** If “Credit Event Upon Merger” is specified in the Schedule as applying to the party, a Designated Event (as defined below) occurs with respect to such party, any Credit Support Provider of such party or any applicable Specified Entity of such party (in each case, “X”) and such Designated Event does not constitute a Merger Without Assumption, and the creditworthiness of X or, if applicable, the successor, surviving or transferee entity of X, after taking into account any applicable Credit Support Document, is materially weaker immediately after the occurrence of such Designated Event than that of X immediately prior to the occurrence of such Designated Event (and, in any such event, such party or its successor, surviving or transferee entity, as appropriate, will be the Affected Party). A “Designated Event” with respect to X means that:—

(1) X consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets (or any substantial part of the assets comprising the business conducted by X as of the

date of this Master Agreement) to, or reorganises, reincorporates or reconstitutes into or as, another entity;

(2) any person, related group of persons or entity acquires directly or indirectly the beneficial ownership of (A) equity securities having the power to elect a majority of the board of directors (or its equivalent) of X or (B) any other ownership interest enabling it to exercise control of X; or

(3) X effects any substantial change in its capital structure by means of the issuance, incurrence or guarantee of debt or the issuance of (A) preferred stock or other securities convertible into or exchangeable for debt or preferred stock or (B) in the case of entities other than corporations, any other form of ownership interest; or

(vi) **Additional Termination Event.** If any “Additional Termination Event” is specified in the Schedule or any Confirmation as applying, the occurrence of such event (and, in such event, the Affected Party or Affected Parties will be as specified for such Additional Termination Event in the Schedule or such Confirmation).

(c) **Hierarchy of Events.**

(i) An event or circumstance that constitutes or gives rise to an Illegality or a Force Majeure Event will not, for so long as that is the case, also constitute or give rise to an Event of Default under Section 5(a)(i), 5(a)(ii)(1) or 5(a)(iii)(1) insofar as such event or circumstance relates to the failure to make any payment or delivery or a failure to comply with any other material provision of this Agreement or a Credit Support Document, as the case may be.

(ii) Except in circumstances contemplated by clause (i) above, if an event or circumstance which would otherwise constitute or give rise to an Illegality or a Force Majeure Event also constitutes an Event of Default or any other Termination Event, it will be treated as an Event of Default or such other Termination Event, as the case may be, and will not constitute or give rise to an Illegality or a Force Majeure Event.

(iii) If an event or circumstance which would otherwise constitute or give rise to a Force Majeure Event also constitutes an Illegality, it will be treated as an Illegality, except as described in clause (ii) above, and not a Force Majeure Event.

(d) **Deferral of Payments and Deliveries During Waiting Period.** If an Illegality or a Force Majeure Event has occurred and is continuing with respect to a Transaction, each payment or delivery which would otherwise be required to be made under that Transaction will be deferred to, and will not be due until:—

(i) the first Local Business Day or, in the case of a delivery, the first Local Delivery Day (or the first day that would have been a Local Business Day or Local Delivery Day, as appropriate, but for the occurrence of the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event) following the end of any applicable Waiting Period in respect of that Illegality or Force Majeure Event, as the case may be; or

(ii) if earlier, the date on which the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event ceases to exist or, if such date is not a Local Business Day or, in the case of a delivery, a Local Delivery Day, the first following day that is a Local Business Day or Local Delivery Day, as appropriate.

(e) **Inability of Head or Home Office to Perform Obligations of Branch.** If (i) an Illegality or a Force Majeure Event occurs under Section 5(b)(i)(1) or 5(b)(ii)(1) and the relevant Office is not the Affected Party’s head or home office, (ii) Section 10(a) applies, (iii) the other party seeks performance of the relevant obligation or

compliance with the relevant provision by the Affected Party's head or home office and (iv) the Affected Party's head or home office fails so to perform or comply due to the occurrence of an event or circumstance which would, if that head or home office were the Office through which the Affected Party makes and receives payments and deliveries with respect to the relevant Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and such failure would otherwise constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) with respect to such party, then, for so long as the relevant event or circumstance continues to exist with respect to both the Office referred to in Section 5(b)(i)(1) or 5(b)(ii)(1), as the case may be, and the Affected Party's head or home office, such failure will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1).

## **6. Early Termination; Close-Out Netting**

(a) ***Right to Terminate Following Event of Default.*** If at any time an Event of Default with respect to a party (the "Defaulting Party") has occurred and is then continuing, the other party (the "Non-defaulting Party") may, by not more than 20 days notice to the Defaulting Party specifying the relevant Event of Default, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all outstanding Transactions. If, however, "Automatic Early Termination" is specified in the Schedule as applying to a party, then an Early Termination Date in respect of all outstanding Transactions will occur immediately upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(1), (3), (5), (6) or, to the extent analogous thereto, (8), and as of the time immediately preceding the institution of the relevant proceeding or the presentation of the relevant petition upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(4) or, to the extent analogous thereto, (8).

### **(b) *Right to Terminate Following Termination Event.***

(i) ***Notice.*** If a Termination Event other than a Force Majeure Event occurs, an Affected Party will, promptly upon becoming aware of it, notify the other party, specifying the nature of that Termination Event and each Affected Transaction, and will also give the other party such other information about that Termination Event as the other party may reasonably require. If a Force Majeure Event occurs, each party will, promptly upon becoming aware of it, use all reasonable efforts to notify the other party, specifying the nature of that Force Majeure Event, and will also give the other party such other information about that Force Majeure Event as the other party may reasonably require.

(ii) ***Transfer to Avoid Termination Event.*** If a Tax Event occurs and there is only one Affected Party, or if a Tax Event Upon Merger occurs and the Burdened Party is the Affected Party, the Affected Party will, as a condition to its right to designate an Early Termination Date under Section 6(b)(iv), use all reasonable efforts (which will not require such party to incur a loss, other than immaterial, incidental expenses) to transfer within 20 days after it gives notice under Section 6(b)(i) all its rights and obligations under this Agreement in respect of the Affected Transactions to another of its Offices or Affiliates so that such Termination Event ceases to exist.

If the Affected Party is not able to make such a transfer it will give notice to the other party to that effect within such 20 day period, whereupon the other party may effect such a transfer within 30 days after the notice is given under Section 6(b)(i).

Any such transfer by a party under this Section 6(b)(ii) will be subject to and conditional upon the prior written consent of the other party, which consent will not be withheld if such other party's policies in effect at such time would permit it to enter into transactions with the transferee on the terms proposed.

(iii) ***Two Affected Parties.*** If a Tax Event occurs and there are two Affected Parties, each party will use all reasonable efforts to reach agreement within 30 days after notice of such occurrence is given under Section 6(b)(i) to avoid that Termination Event.

(iv) ***Right to Terminate.***

(1) If:—

(A) a transfer under Section 6(b)(ii) or an agreement under Section 6(b)(iii), as the case may be, has not been effected with respect to all Affected Transactions within 30 days after an Affected Party gives notice under Section 6(b)(i); or

(B) a Credit Event Upon Merger or an Additional Termination Event occurs, or a Tax Event Upon Merger occurs and the Burdened Party is not the Affected Party,

the Burdened Party in the case of a Tax Event Upon Merger, any Affected Party in the case of a Tax Event or an Additional Termination Event if there are two Affected Parties, or the Non-affected Party in the case of a Credit Event Upon Merger or an Additional Termination Event if there is only one Affected Party may, if the relevant Termination Event is then continuing, by not more than 20 days notice to the other party, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all Affected Transactions.

(2) If at any time an Illegality or a Force Majeure Event has occurred and is then continuing and any applicable Waiting Period has expired:—

(A) Subject to clause (B) below, either party may, by not more than 20 days notice to the other party, designate (I) a day not earlier than the day on which such notice becomes effective as an Early Termination Date in respect of all Affected Transactions or (II) by specifying in that notice the Affected Transactions in respect of which it is designating the relevant day as an Early Termination Date, a day not earlier than two Local Business Days following the day on which such notice becomes effective as an Early Termination Date in respect of less than all Affected Transactions. Upon receipt of a notice designating an Early Termination Date in respect of less than all Affected Transactions, the other party may, by notice to the designating party, if such notice is effective on or before the day so designated, designate that same day as an Early Termination Date in respect of any or all other Affected Transactions.

(B) An Affected Party (if the Illegality or Force Majeure Event relates to performance by such party or any Credit Support Provider of such party of an obligation to make any payment or delivery under, or to compliance with any other material provision of, the relevant Credit Support Document) will only have the right to designate an Early Termination Date under Section 6(b)(iv)(2)(A) as a result of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2) following the prior designation by the other party of an Early Termination Date, pursuant to Section 6(b)(iv)(2)(A), in respect of less than all Affected Transactions.

(c) ***Effect of Designation.***

(i) If notice designating an Early Termination Date is given under Section 6(a) or 6(b), the Early Termination Date will occur on the date so designated, whether or not the relevant Event of Default or Termination Event is then continuing.

(ii) Upon the occurrence or effective designation of an Early Termination Date, no further payments or deliveries under Section 2(a)(i) or 9(h)(i) in respect of the Terminated Transactions will be required to be made, but without prejudice to the other provisions of this Agreement. The amount, if any, payable in respect of an Early Termination Date will be determined pursuant to Sections 6(e) and 9(h)(ii).

(d) **Calculations; Payment Date.**

(i) **Statement.** On or as soon as reasonably practicable following the occurrence of an Early Termination Date, each party will make the calculations on its part, if any, contemplated by Section 6(e) and will provide to the other party a statement (1) showing, in reasonable detail, such calculations (including any quotations, market data or information from internal sources used in making such calculations), (2) specifying (except where there are two Affected Parties) any Early Termination Amount payable and (3) giving details of the relevant account to which any amount payable to it is to be paid. In the absence of written confirmation from the source of a quotation or market data obtained in determining a Close-out Amount, the records of the party obtaining such quotation or market data will be conclusive evidence of the existence and accuracy of such quotation or market data.

(ii) **Payment Date.** An Early Termination Amount due in respect of any Early Termination Date will, together with any amount of interest payable pursuant to Section 9(h)(ii)(2), be payable (1) on the day on which notice of the amount payable is effective in the case of an Early Termination Date which is designated or occurs as a result of an Event of Default and (2) on the day which is two Local Business Days after the day on which notice of the amount payable is effective (or, if there are two Affected Parties, after the day on which the statement provided pursuant to clause (i) above by the second party to provide such a statement is effective) in the case of an Early Termination Date which is designated as a result of a Termination Event.

(e) **Payments on Early Termination.** If an Early Termination Date occurs, the amount, if any, payable in respect of that Early Termination Date (the “Early Termination Amount”) will be determined pursuant to this Section 6(e) and will be subject to Section 6(f).

(i) **Events of Default.** If the Early Termination Date results from an Event of Default, the Early Termination Amount will be an amount equal to (1) the sum of (A) the Termination Currency Equivalent of the Close-out Amount or Close-out Amounts (whether positive or negative) determined by the Non-defaulting Party for each Terminated Transaction or group of Terminated Transactions, as the case may be, and (B) the Termination Currency Equivalent of the Unpaid Amounts owing to the Non-defaulting Party less (2) the Termination Currency Equivalent of the Unpaid Amounts owing to the Defaulting Party. If the Early Termination Amount is a positive number, the Defaulting Party will pay it to the Non-defaulting Party; if it is a negative number, the Non-defaulting Party will pay the absolute value of the Early Termination Amount to the Defaulting Party.

(ii) **Termination Events.** If the Early Termination Date results from a Termination Event:—

(1) **One Affected Party.** Subject to clause (3) below, if there is one Affected Party, the Early Termination Amount will be determined in accordance with Section 6(e)(i), except that references to the Defaulting Party and to the Non-defaulting Party will be deemed to be references to the Affected Party and to the Non-affected Party, respectively.

(2) **Two Affected Parties.** Subject to clause (3) below, if there are two Affected Parties, each party will determine an amount equal to the Termination Currency Equivalent of the sum of the Close-out Amount or Close-out Amounts (whether positive or negative) for each Terminated Transaction or group of Terminated Transactions, as the case may be, and the Early Termination Amount will be an amount equal to (A) the sum of (I) one-half of the difference between the higher amount so determined (by party “X”) and the lower amount so determined (by party “Y”) and (II) the Termination Currency Equivalent of the Unpaid Amounts owing to X less (B) the Termination Currency Equivalent of the Unpaid Amounts owing to Y. If the Early Termination Amount is a positive number, Y will pay it to X; if it is a negative number, X will pay the absolute value of the Early Termination Amount to Y.



(3) *Mid-Market Events.* If that Termination Event is an Illegality or a Force Majeure Event, then the Early Termination Amount will be determined in accordance with clause (1) or (2) above, as appropriate, except that, for the purpose of determining a Close-out Amount or Close-out Amounts, the Determining Party will:—

(A) if obtaining quotations from one or more third parties (or from any of the Determining Party's Affiliates), ask each third party or Affiliate (I) not to take account of the current creditworthiness of the Determining Party or any existing Credit Support Document and (II) to provide mid-market quotations; and

(B) in any other case, use mid-market values without regard to the creditworthiness of the Determining Party.

(iii) *Adjustment for Bankruptcy.* In circumstances where an Early Termination Date occurs because Automatic Early Termination applies in respect of a party, the Early Termination Amount will be subject to such adjustments as are appropriate and permitted by applicable law to reflect any payments or deliveries made by one party to the other under this Agreement (and retained by such other party) during the period from the relevant Early Termination Date to the date for payment determined under Section 6(d) (ii).

(iv) *Adjustment for Illegality or Force Majeure Event.* The failure by a party or any Credit Support Provider of such party to pay, when due, any Early Termination Amount will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) if such failure is due to the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event. Such amount will (1) accrue interest and otherwise be treated as an Unpaid Amount owing to the other party if subsequently an Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions and (2) otherwise accrue interest in accordance with Section 9(h)(ii)(2).

(v) *Pre-Estimate.* The parties agree that an amount recoverable under this Section 6(e) is a reasonable pre-estimate of loss and not a penalty. Such amount is payable for the loss of bargain and the loss of protection against future risks, and, except as otherwise provided in this Agreement, neither party will be entitled to recover any additional damages as a consequence of the termination of the Terminated Transactions.

(f) *Set-Off.* Any Early Termination Amount payable to one party (the "Payee") by the other party (the "Payer"), in circumstances where there is a Defaulting Party or where there is one Affected Party in the case where either a Credit Event Upon Merger has occurred or any other Termination Event in respect of which all outstanding Transactions are Affected Transactions has occurred, will, at the option of the Non-defaulting Party or the Non-affected Party, as the case may be ("X") (and without prior notice to the Defaulting Party or the Affected Party, as the case may be), be reduced by its set-off against any other amounts ("Other Amounts") payable by the Payee to the Payer (whether or not arising under this Agreement, matured or contingent and irrespective of the currency, place of payment or place of booking of the obligation). To the extent that any Other Amounts are so set off, those Other Amounts will be discharged promptly and in all respects. X will give notice to the other party of any set-off effected under this Section 6(f).

For this purpose, either the Early Termination Amount or the Other Amounts (or the relevant portion of such amounts) may be converted by X into the currency in which the other is denominated at the rate of exchange at which such party would be able, in good faith and using commercially reasonable procedures, to purchase the relevant amount of such currency.

If an obligation is unascertained, X may in good faith estimate that obligation and set off in respect of the estimate, subject to the relevant party accounting to the other when the obligation is ascertained.

Nothing in this Section 6(f) will be effective to create a charge or other security interest. This Section 6(f) will be without prejudice and in addition to any right of set-off, offset, combination of accounts, lien, right of retention or withholding or similar right or requirement to which any party is at any time otherwise entitled or subject (whether by operation of law, contract or otherwise).

## **7. Transfer**

Subject to Section 6(b)(ii) and to the extent permitted by applicable law, neither this Agreement nor any interest or obligation in or under this Agreement may be transferred (whether by way of security or otherwise) by either party without the prior written consent of the other party, except that:—

- (a) a party may make such a transfer of this Agreement pursuant to a consolidation or amalgamation with, or merger with or into, or transfer of all or substantially all its assets to, another entity (but without prejudice to any other right or remedy under this Agreement); and
- (b) a party may make such a transfer of all or any part of its interest in any Early Termination Amount payable to it by a Defaulting Party, together with any amounts payable on or with respect to that interest and any other rights associated with that interest pursuant to Sections 8, 9(h) and 11.

Any purported transfer that is not in compliance with this Section 7 will be void.

## **8. Contractual Currency**

(a) **Payment in the Contractual Currency.** Each payment under this Agreement will be made in the relevant currency specified in this Agreement for that payment (the “Contractual Currency”). To the extent permitted by applicable law, any obligation to make payments under this Agreement in the Contractual Currency will not be discharged or satisfied by any tender in any currency other than the Contractual Currency, except to the extent such tender results in the actual receipt by the party to which payment is owed, acting in good faith and using commercially reasonable procedures in converting the currency so tendered into the Contractual Currency, of the full amount in the Contractual Currency of all amounts payable in respect of this Agreement. If for any reason the amount in the Contractual Currency so received falls short of the amount in the Contractual Currency payable in respect of this Agreement, the party required to make the payment will, to the extent permitted by applicable law, immediately pay such additional amount in the Contractual Currency as may be necessary to compensate for the shortfall. If for any reason the amount in the Contractual Currency so received exceeds the amount in the Contractual Currency payable in respect of this Agreement, the party receiving the payment will refund promptly the amount of such excess.

(b) **Judgments.** To the extent permitted by applicable law, if any judgment or order expressed in a currency other than the Contractual Currency is rendered (i) for the payment of any amount owing in respect of this Agreement, (ii) for the payment of any amount relating to any early termination in respect of this Agreement or (iii) in respect of a judgment or order of another court for the payment of any amount described in clause (i) or (ii) above, the party seeking recovery, after recovery in full of the aggregate amount to which such party is entitled pursuant to the judgment or order, will be entitled to receive immediately from the other party the amount of any shortfall of the Contractual Currency received by such party as a consequence of sums paid in such other currency and will refund promptly to the other party any excess of the Contractual Currency received by such party as a consequence of sums paid in such other currency if such shortfall or such excess arises or results from any variation between the rate of exchange at which the Contractual Currency is converted into the currency of the judgment or order for the purpose of such judgment or order and the rate of exchange at which such party is able, acting in good faith and using

commercially reasonable procedures in converting the currency received into the Contractual Currency, to purchase the Contractual Currency with the amount of the currency of the judgment or order actually received by such party.

(c) **Separate Indemnities.** To the extent permitted by applicable law, the indemnities in this Section 8 constitute separate and independent obligations from the other obligations in this Agreement, will be enforceable as separate and independent causes of action, will apply notwithstanding any indulgence granted by the party to which any payment is owed and will not be affected by judgment being obtained or claim or proof being made for any other sums payable in respect of this Agreement.

(d) **Evidence of Loss.** For the purpose of this Section 8, it will be sufficient for a party to demonstrate that it would have suffered a loss had an actual exchange or purchase been made.

## **9. Miscellaneous**

(a) **Entire Agreement.** This Agreement constitutes the entire agreement and understanding of the parties with respect to its subject matter. Each of the parties acknowledges that in entering into this Agreement it has not relied on any oral or written representation, warranty or other assurance (except as provided for or referred to in this Agreement) and waives all rights and remedies which might otherwise be available to it in respect thereof, except that nothing in this Agreement will limit or exclude any liability of a party for fraud.

(b) **Amendments.** An amendment, modification or waiver in respect of this Agreement will only be effective if in writing (including a writing evidenced by a facsimile transmission) and executed by each of the parties or confirmed by an exchange of telexes or by an exchange of electronic messages on an electronic messaging system.

(c) **Survival of Obligations.** Without prejudice to Sections 2(a)(iii) and 6(c)(ii), the obligations of the parties under this Agreement will survive the termination of any Transaction.

(d) **Remedies Cumulative.** Except as provided in this Agreement, the rights, powers, remedies and privileges provided in this Agreement are cumulative and not exclusive of any rights, powers, remedies and privileges provided by law.

(e) **Counterparts and Confirmations.**

(i) This Agreement (and each amendment, modification and waiver in respect of it) may be executed and delivered in counterparts (including by facsimile transmission and by electronic messaging system), each of which will be deemed an original.

(ii) The parties intend that they are legally bound by the terms of each Transaction from the moment they agree to those terms (whether orally or otherwise). A Confirmation will be entered into as soon as practicable and may be executed and delivered in counterparts (including by facsimile transmission) or be created by an exchange of telexes, by an exchange of electronic messages on an electronic messaging system or by an exchange of e-mails, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, telex, electronic message or e-mail constitutes a Confirmation.

(f) **No Waiver of Rights.** A failure or delay in exercising any right, power or privilege in respect of this Agreement will not be presumed to operate as a waiver, and a single or partial exercise of any right, power or privilege will not be presumed to preclude any subsequent or further exercise, of that right, power or privilege or the exercise of any other right, power or privilege.

(g) **Headings.** The headings used in this Agreement are for convenience of reference only and are not to affect the construction of or to be taken into consideration in interpreting this Agreement.

(h) ***Interest and Compensation.***

(i) Prior to Early Termination. Prior to the occurrence or effective designation of an Early Termination Date in respect of the relevant Transaction:—

(1) *Interest on Defaulted Payments.* If a party defaults in the performance of any payment obligation, it will, to the extent permitted by applicable law and subject to Section 6(c), pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the original due date for payment to (but excluding) the date of actual payment (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (3)(B) or (C) below), at the Default Rate.

(2) *Compensation for Defaulted Deliveries.* If a party defaults in the performance of any obligation required to be settled by delivery, it will on demand (A) compensate the other party to the extent provided for in the relevant Confirmation or elsewhere in this Agreement and (B) unless otherwise provided in the relevant Confirmation or elsewhere in this Agreement, to the extent permitted by applicable law and subject to Section 6(c), pay to the other party interest (before as well as after judgment) on an amount equal to the fair market value of that which was required to be delivered in the same currency as that amount, for the period from (and including) the originally scheduled date for delivery to (but excluding) the date of actual delivery (and excluding any period in respect of which interest or compensation in respect of that amount is due pursuant to clause (4) below), at the Default Rate. The fair market value of any obligation referred to above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party that was entitled to take delivery.

(3) *Interest on Deferred Payments.* If:—

(A) a party does not pay any amount that, but for Section 2(a)(iii), would have been payable, it will, to the extent permitted by applicable law and subject to Section 6(c) and clauses (B) and (C) below, pay interest (before as well as after judgment) on that amount to the other party on demand (after such amount becomes payable) in the same currency as that amount, for the period from (and including) the date the amount would, but for Section 2(a)(iii), have been payable to (but excluding) the date the amount actually becomes payable, at the Applicable Deferral Rate;

(B) a payment is deferred pursuant to Section 5(d), the party which would otherwise have been required to make that payment will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the amount of the deferred payment to the other party on demand (after such amount becomes payable) in the same currency as the deferred payment, for the period from (and including) the date the amount would, but for Section 5(d), have been payable to (but excluding) the earlier of the date the payment is no longer deferred pursuant to Section 5(d) and the date during the deferral period upon which an Event of Default or Potential Event of Default with respect to that party occurs, at the Applicable Deferral Rate; or

(C) a party fails to make any payment due to the occurrence of an Illegality or a Force Majeure Event (after giving effect to any deferral period contemplated by clause (B) above), it will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as the event or circumstance giving rise to that Illegality or Force Majeure Event

continues and no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the date the party fails to make the payment due to the occurrence of the relevant Illegality or Force Majeure Event (or, if later, the date the payment is no longer deferred pursuant to Section 5(d)) to (but excluding) the earlier of the date the event or circumstance giving rise to that Illegality or Force Majeure Event ceases to exist and the date during the period upon which an Event of Default or Potential Event of Default with respect to that party occurs (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (B) above), at the Applicable Deferral Rate.

(4) *Compensation for Deferred Deliveries.* If:—

- (A) a party does not perform any obligation that, but for Section 2(a)(iii), would have been required to be settled by delivery;
- (B) a delivery is deferred pursuant to Section 5(d); or
- (C) a party fails to make a delivery due to the occurrence of an Illegality or a Force Majeure Event at a time when any applicable Waiting Period has expired,

the party required (or that would otherwise have been required) to make the delivery will, to the extent permitted by applicable law and subject to Section 6(c), compensate and pay interest to the other party on demand (after, in the case of clauses (A) and (B) above, such delivery is required) if and to the extent provided for in the relevant Confirmation or elsewhere in this Agreement.

(ii) **Early Termination.** Upon the occurrence or effective designation of an Early Termination Date in respect of a Transaction:—

(1) *Unpaid Amounts.* For the purpose of determining an Unpaid Amount in respect of the relevant Transaction, and to the extent permitted by applicable law, interest will accrue on the amount of any payment obligation or the amount equal to the fair market value of any obligation required to be settled by delivery included in such determination in the same currency as that amount, for the period from (and including) the date the relevant obligation was (or would have been but for Section 2(a)(iii) or 5(d)) required to have been performed to (but excluding) the relevant Early Termination Date, at the Applicable Close-out Rate.

(2) *Interest on Early Termination Amounts.* If an Early Termination Amount is due in respect of such Early Termination Date, that amount will, to the extent permitted by applicable law, be paid together with interest (before as well as after judgment) on that amount in the Termination Currency, for the period from (and including) such Early Termination Date to (but excluding) the date the amount is paid, at the Applicable Close-out Rate.

(iii) **Interest Calculation.** Any interest pursuant to this Section 9(h) will be calculated on the basis of daily compounding and the actual number of days elapsed.

## 10. Offices; Multibranch Parties

(a) If Section 10(a) is specified in the Schedule as applying, each party that enters into a Transaction through an Office other than its head or home office represents to and agrees with the other party that, notwithstanding the place of booking or its jurisdiction of incorporation or organisation, its obligations are the same in terms of recourse against it as if it had entered into the Transaction through its head or home office, except that a party will not have recourse to the head or home office of the other party in respect of any payment or delivery deferred pursuant to Section 5(d) for so long as the payment or delivery is so deferred. This representation and agreement will be deemed to be repeated by each party on each date on which the parties enter into a Transaction.

(b) If a party is specified as a Multibranch Party in the Schedule, such party may, subject to clause (c) below, enter into a Transaction through, book a Transaction in and make and receive payments and deliveries with respect to a Transaction through any Office listed in respect of that party in the Schedule (but not any other Office unless otherwise agreed by the parties in writing).

(c) The Office through which a party enters into a Transaction will be the Office specified for that party in the relevant Confirmation or as otherwise agreed by the parties in writing, and, if an Office for that party is not specified in the Confirmation or otherwise agreed by the parties in writing, its head or home office. Unless the parties otherwise agree in writing, the Office through which a party enters into a Transaction will also be the Office in which it books the Transaction and the Office through which it makes and receives payments and deliveries with respect to the Transaction. Subject to Section 6(b)(ii), neither party may change the Office in which it books the Transaction or the Office through which it makes and receives payments or deliveries with respect to a Transaction without the prior written consent of the other party.

## 11. Expenses

A Defaulting Party will on demand indemnify and hold harmless the other party for and against all reasonable out-of-pocket expenses, including legal fees, execution fees and Stamp Tax, incurred by such other party by reason of the enforcement and protection of its rights under this Agreement or any Credit Support Document to which the Defaulting Party is a party or by reason of the early termination of any Transaction, including, but not limited to, costs of collection.

## 12. Notices

(a) **Effectiveness.** Any notice or other communication in respect of this Agreement may be given in any manner described below (except that a notice or other communication under Section 5 or 6 may not be given by electronic messaging system or e-mail) to the address or number or in accordance with the electronic messaging system or e-mail details provided (see the Schedule) and will be deemed effective as indicated:

- (i) if in writing and delivered in person or by courier, on the date it is delivered;
- (ii) if sent by telex, on the date the recipient's answerback is received;
- (iii) if sent by facsimile transmission, on the date it is received by a responsible employee of the recipient in legible form (it being agreed that the burden of proving receipt will be on the sender and will not be met by a transmission report generated by the sender's facsimile machine);
- (iv) if sent by certified or registered mail (airmail, if overseas) or the equivalent (return receipt requested), on the date it is delivered or its delivery is attempted;
- (v) if sent by electronic messaging system, on the date it is received; or

- (vi) if sent by e-mail, on the date it is delivered,

unless the date of that delivery (or attempted delivery) or that receipt, as applicable, is not a Local Business Day or that communication is delivered (or attempted) or received, as applicable, after the close of business on a Local Business Day, in which case that communication will be deemed given and effective on the first following day that is a Local Business Day.

- (b) **Change of Details.** Either party may by notice to the other change the address, telex or facsimile number or electronic messaging system or e-mail details at which notices or other communications are to be given to it.

### 13. Governing Law and Jurisdiction

- (a) **Governing Law.** This Agreement will be governed by and construed in accordance with the law specified in the Schedule.

- (b) **Jurisdiction.** With respect to any suit, action or proceedings relating to any dispute arising out of or in connection with this Agreement ("Proceedings"), each party irrevocably:—

- (i) submits:—

(1) if this Agreement is expressed to be governed by English law, to (A) the non-exclusive jurisdiction of the English courts if the Proceedings do not involve a Convention Court and (B) the exclusive jurisdiction of the English courts if the Proceedings do involve a Convention Court; or

(2) if this Agreement is expressed to be governed by the laws of the State of New York, to the non-exclusive jurisdiction of the courts of the State of New York and the United States District Court located in the Borough of Manhattan in New York City;

- (ii) waives any objection which it may have at any time to the laying of venue of any Proceedings brought in any such court, waives any claim that such Proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such Proceedings, that such court does not have any jurisdiction over such party; and

- (iii) agrees, to the extent permitted by applicable law, that the bringing of Proceedings in any one or more jurisdictions will not preclude the bringing of Proceedings in any other jurisdiction.

- (c) **Service of Process.** Each party irrevocably appoints the Process Agent, if any, specified opposite its name in the Schedule to receive, for it and on its behalf, service of process in any Proceedings. If for any reason any party's Process Agent is unable to act as such, such party will promptly notify the other party and within 30 days appoint a substitute process agent acceptable to the other party. The parties irrevocably consent to service of process given in the manner provided for notices in Section 12(a)(i), 12(a)(iii) or 12(a)(iv). Nothing in this Agreement will affect the right of either party to serve process in any other manner permitted by applicable law.

- (d) **Waiver of Immunities.** Each party irrevocably waives, to the extent permitted by applicable law, with respect to itself and its revenues and assets (irrespective of their use or intended use), all immunity on the grounds of sovereignty or other similar grounds from (i) suit, (ii) jurisdiction of any court, (iii) relief by way of injunction or order for specific performance or recovery of property, (iv) attachment of its assets (whether before or after judgment) and (v) execution or enforcement of any judgment to which it or its revenues or assets might otherwise be entitled in any Proceedings in the courts of any jurisdiction and irrevocably agrees, to the extent permitted by applicable law, that it will not claim any such immunity in any Proceedings.

## 14. Definitions

As used in this Agreement:—

**“Additional Representation”** has the meaning specified in Section 3.

**“Additional Termination Event”** has the meaning specified in Section 5(b).

**“Affected Party”** has the meaning specified in Section 5(b).

**“Affected Transactions”** means (a) with respect to any Termination Event consisting of an Illegality, Force Majeure Event, Tax Event or Tax Event Upon Merger, all Transactions affected by the occurrence of such Termination Event (which, in the case of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2), means all Transactions unless the relevant Credit Support Document references only certain Transactions, in which case those Transactions and, if the relevant Credit Support Document constitutes a Confirmation for a Transaction, that Transaction) and (b) with respect to any other Termination Event, all Transactions.

**“Affiliate”** means, subject to the Schedule, in relation to any person, any entity controlled, directly or indirectly, by the person, any entity that controls, directly or indirectly, the person or any entity directly or indirectly under common control with the person. For this purpose, “control” of any entity or person means ownership of a majority of the voting power of the entity or person.

**“Agreement”** has the meaning specified in Section 1(c).

**“Applicable Close-out Rate”** means:—

(a) in respect of the determination of an Unpaid Amount:—

(i) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Defaulting Party, the Default Rate;

(ii) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Non-defaulting Party, the Non-default Rate;

(iii) in respect of obligations deferred pursuant to Section 5(d), if there is no Defaulting Party and for so long as the deferral period continues, the Applicable Deferral Rate; and

(iv) in all other cases following the occurrence of a Termination Event (except where interest accrues pursuant to clause (iii) above), the Applicable Deferral Rate; and

(b) in respect of an Early Termination Amount:—

(i) for the period from (and including) the relevant Early Termination Date to (but excluding) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable:—

(1) if the Early Termination Amount is payable by a Defaulting Party, the Default Rate;

(2) if the Early Termination Amount is payable by a Non-defaulting Party, the Non-default Rate; and

(3) in all other cases, the Applicable Deferral Rate; and



(ii) for the period from (and including) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable to (but excluding) the date of actual payment:—

(1) if a party fails to pay the Early Termination Amount due to the occurrence of an event or circumstance which would, if it occurred with respect to a payment or delivery under a Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and for so long as the Early Termination Amount remains unpaid due to the continuing existence of such event or circumstance, the Applicable Deferral Rate;

(2) if the Early Termination Amount is payable by a Defaulting Party (but excluding any period in respect of which clause (1) above applies), the Default Rate;

(3) if the Early Termination Amount is payable by a Non-defaulting Party (but excluding any period in respect of which clause (1) above applies), the Non-default Rate; and

(4) in all other cases, the Termination Rate.

**“Applicable Deferral Rate”** means:—

(a) for the purpose of Section 9(h)(i)(3)(A), the rate certified by the relevant payer to be a rate offered to the payer by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market;

(b) for purposes of Section 9(h)(i)(3)(B) and clause (a)(iii) of the definition of Applicable Close-out Rate, the rate certified by the relevant payer to be a rate offered to prime banks by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer after consultation with the other party, if practicable, for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market; and

(c) for purposes of Section 9(h)(i)(3)(C) and clauses (a)(iv), (b)(i)(3) and (b)(ii)(1) of the definition of Applicable Close-out Rate, a rate equal to the arithmetic mean of the rate determined pursuant to clause (a) above and a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount.

**“Automatic Early Termination”** has the meaning specified in Section 6(a).

**“Burdened Party”** has the meaning specified in Section 5(b)(iv).

**“Change in Tax Law”** means the enactment, promulgation, execution or ratification of, or any change in or amendment to, any law (or in the application or official interpretation of any law) that occurs after the parties enter into the relevant Transaction.

**“Close-out Amount”** means, with respect to each Terminated Transaction or each group of Terminated Transactions and a Determining Party, the amount of the losses or costs of the Determining Party that are or would be incurred under then prevailing circumstances (expressed as a positive number) or gains of the Determining Party that are or would be realised under then prevailing circumstances (expressed as a negative number) in replacing, or in providing for the Determining Party the economic equivalent of, (a) the material terms of that Terminated Transaction or group of Terminated Transactions, including the payments and deliveries by the parties under Section 2(a)(i) in respect of that Terminated Transaction or group of Terminated Transactions that would, but for the occurrence of the relevant Early Termination Date, have been required after that date (assuming satisfaction of the conditions precedent in

Section 2(a)(iii)) and (b) the option rights of the parties in respect of that Terminated Transaction or group of Terminated Transactions.

Any Close-out Amount will be determined by the Determining Party (or its agent), which will act in good faith and use commercially reasonable procedures in order to produce a commercially reasonable result. The Determining Party may determine a Close-out Amount for any group of Terminated Transactions or any individual Terminated Transaction but, in the aggregate, for not less than all Terminated Transactions. Each Close-out Amount will be determined as of the Early Termination Date or, if that would not be commercially reasonable, as of the date or dates following the Early Termination Date as would be commercially reasonable.

Unpaid Amounts in respect of a Terminated Transaction or group of Terminated Transactions and legal fees and out-of-pocket expenses referred to in Section 11 are to be excluded in all determinations of Close-out Amounts.

In determining a Close-out Amount, the Determining Party may consider any relevant information, including, without limitation, one or more of the following types of information: —

- (i) quotations (either firm or indicative) for replacement transactions supplied by one or more third parties that may take into account the creditworthiness of the Determining Party at the time the quotation is provided and the terms of any relevant documentation, including credit support documentation, between the Determining Party and the third party providing the quotation;
- (ii) information consisting of relevant market data in the relevant market supplied by one or more third parties including, without limitation, relevant rates, prices, yields, yield curves, volatilities, spreads, correlations or other relevant market data in the relevant market; or
- (iii) information of the types described in clause (i) or (ii) above from internal sources (including any of the Determining Party's Affiliates) if that information is of the same type used by the Determining Party in the regular course of its business for the valuation of similar transactions.

The Determining Party will consider, taking into account the standards and procedures described in this definition, quotations pursuant to clause (i) above or relevant market data pursuant to clause (ii) above unless the Determining Party reasonably believes in good faith that such quotations or relevant market data are not readily available or would produce a result that would not satisfy those standards. When considering information described in clause (i), (ii) or (iii) above, the Determining Party may include costs of funding, to the extent costs of funding are not and would not be a component of the other information being utilised. Third parties supplying quotations pursuant to clause (i) above or market data pursuant to clause (ii) above may include, without limitation, dealers in the relevant markets, end-users of the relevant product, information vendors, brokers and other sources of market information.

Without duplication of amounts calculated based on information described in clause (i), (ii) or (iii) above, or other relevant information, and when it is commercially reasonable to do so, the Determining Party may in addition consider in calculating a Close-out Amount any loss or cost incurred in connection with its terminating, liquidating or re-establishing any hedge related to a Terminated Transaction or group of Terminated Transactions (or any gain resulting from any of them).

Commercially reasonable procedures used in determining a Close-out Amount may include the following:—

- (1) application to relevant market data from third parties pursuant to clause (ii) above or information from internal sources pursuant to clause (iii) above of pricing or other valuation models that are, at the time of the determination of the Close-out Amount, used by the Determining Party in the regular course of its business in pricing or valuing transactions between the Determining Party and unrelated third parties that are similar to the Terminated Transaction or group of Terminated Transactions; and

(2) application of different valuation methods to Terminated Transactions or groups of Terminated Transactions depending on the type, complexity, size or number of the Terminated Transactions or group of Terminated Transactions.

**“Confirmation”** has the meaning specified in the preamble.

**“consent”** includes a consent, approval, action, authorisation, exemption, notice, filing, registration or exchange control consent.

**“Contractual Currency”** has the meaning specified in Section 8(a).

**“Convention Court”** means any court which is bound to apply to the Proceedings either Article 17 of the 1968 Brussels Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters or Article 17 of the 1988 Lugano Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters.

**“Credit Event Upon Merger”** has the meaning specified in Section 5(b).

**“Credit Support Document”** means any agreement or instrument that is specified as such in this Agreement.

**“Credit Support Provider”** has the meaning specified in the Schedule.

**“Cross-Default”** means the event specified in Section 5(a)(vi).

**“Default Rate”** means a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount plus 1% per annum.

**“Defaulting Party”** has the meaning specified in Section 6(a).

**“Designated Event”** has the meaning specified in Section 5(b)(v).

**“Determining Party”** means the party determining a Close-out Amount.

**“Early Termination Amount”** has the meaning specified in Section 6(e).

**“Early Termination Date”** means the date determined in accordance with Section 6(a) or 6(b)(iv).

**“electronic messages”** does not include e-mails but does include documents expressed in markup languages, and **“electronic messaging system”** will be construed accordingly.

**“English law”** means the law of England and Wales, and **“English”** will be construed accordingly.

**“Event of Default”** has the meaning specified in Section 5(a) and, if applicable, in the Schedule.

**“Force Majeure Event”** has the meaning specified in Section 5(b).

**“General Business Day”** means a day on which commercial banks are open for general business (including dealings in foreign exchange and foreign currency deposits).

**“Illegality”** has the meaning specified in Section 5(b).

**“Indemnifiable Tax”** means any Tax other than a Tax that would not be imposed in respect of a payment under this Agreement but for a present or former connection between the jurisdiction of the government or taxation authority imposing such Tax and the recipient of such payment or a person related to such recipient (including, without limitation, a connection arising from such recipient or related person being or having been a citizen or resident of such jurisdiction, or being or having been organised, present or engaged in a trade or business in such jurisdiction, or having or having had a permanent establishment or fixed place of business in such jurisdiction, but excluding a connection arising solely from such recipient or related person having executed, delivered, performed its obligations or received a payment under, or enforced, this Agreement or a Credit Support Document).

**“law”** includes any treaty, law, rule or regulation (as modified, in the case of tax matters, by the practice of any relevant governmental revenue authority), and **“unlawful”** will be construed accordingly.

**“Local Business Day”** means (a) in relation to any obligation under Section 2(a)(i), a General Business Day in the place or places specified in the relevant Confirmation and a day on which a relevant settlement system is open or operating as specified in the relevant Confirmation or, if a place or a settlement system is not so specified, as otherwise agreed by the parties in writing or determined pursuant to provisions contained, or incorporated by reference, in this Agreement, (b) for the purpose of determining when a Waiting Period expires, a General Business Day in the place where the event or circumstance that constitutes or gives rise to the Illegality or Force Majeure Event, as the case may be, occurs, (c) in relation to any other payment, a General Business Day in the place where the relevant account is located and, if different, in the principal financial centre, if any, of the currency of such payment and, if that currency does not have a single recognised principal financial centre, a day on which the settlement system necessary to accomplish such payment is open, (d) in relation to any notice or other communication, including notice contemplated under Section 5(a)(i), a General Business Day (or a day that would have been a General Business Day but for the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event) in the place specified in the address for notice provided by the recipient and, in the case of a notice contemplated by Section 2(b), in the place where the relevant new account is to be located and (e) in relation to Section 5(a)(v)(2), a General Business Day in the relevant locations for performance with respect to such Specified Transaction.

**“Local Delivery Day”** means, for purposes of Sections 5(a)(i) and 5(d), a day on which settlement systems necessary to accomplish the relevant delivery are generally open for business so that the delivery is capable of being accomplished in accordance with customary market practice, in the place specified in the relevant Confirmation or, if not so specified, in a location as determined in accordance with customary market practice for the relevant delivery.

**“Master Agreement”** has the meaning specified in the preamble.

**“Merger Without Assumption”** means the event specified in Section 5(a)(viii).

**“Multiple Transaction Payment Netting”** has the meaning specified in Section 2(c).

**“Non-affected Party”** means, so long as there is only one Affected Party, the other party.

**“Non-default Rate”** means the rate certified by the Non-defaulting Party to be a rate offered to the Non-defaulting Party by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the Non-defaulting Party for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market.

**“Non-defaulting Party”** has the meaning specified in Section 6(a).

**“Office”** means a branch or office of a party, which may be such party’s head or home office.

**“Other Amounts”** has the meaning specified in Section 6(f).

**“Payee”** has the meaning specified in Section 6(f).

**“Payer”** has the meaning specified in Section 6(f).

**“Potential Event of Default”** means any event which, with the giving of notice or the lapse of time or both, would constitute an Event of Default.

**“Proceedings”** has the meaning specified in Section 13(b).

**“Process Agent”** has the meaning specified in the Schedule.

**“rate of exchange”** includes, without limitation, any premiums and costs of exchange payable in connection with the purchase of or conversion into the Contractual Currency.

**“Relevant Jurisdiction”** means, with respect to a party, the jurisdictions (a) in which the party is incorporated, organised, managed and controlled or considered to have its seat, (b) where an Office through which the party is acting for purposes of this Agreement is located, (c) in which the party executes this Agreement and (d) in relation to any payment, from or through which such payment is made.

**“Schedule”** has the meaning specified in the preamble.

**“Scheduled Settlement Date”** means a date on which a payment or delivery is to be made under Section 2(a)(i) with respect to a Transaction.

**“Specified Entity”** has the meaning specified in the Schedule.

**“Specified Indebtedness”** means, subject to the Schedule, any obligation (whether present or future, contingent or otherwise, as principal or surety or otherwise) in respect of borrowed money.

**“Specified Transaction”** means, subject to the Schedule, (a) any transaction (including an agreement with respect to any such transaction) now existing or hereafter entered into between one party to this Agreement (or any Credit Support Provider of such party or any applicable Specified Entity of such party) and the other party to this Agreement (or any Credit Support Provider of such other party or any applicable Specified Entity of such other party) which is not a Transaction under this Agreement but (i) which is a rate swap transaction, swap option, basis swap, forward rate transaction, commodity swap, commodity option, equity or equity index swap, equity or equity index option, bond option, interest rate option, foreign exchange transaction, cap transaction, floor transaction, collar transaction, currency swap transaction, cross-currency rate swap transaction, currency option, credit protection transaction, credit swap, credit default swap, credit default option, total return swap, credit spread transaction, repurchase transaction, reverse repurchase transaction, buy/sell-back transaction, securities lending transaction, weather index transaction or forward purchase or sale of a security, commodity or other financial instrument or interest (including any option with respect to any of these transactions) or (ii) which is a type of transaction that is similar to any transaction referred to in clause (i) above that is currently, or in the future becomes, recurrently entered into in the financial markets (including terms and conditions incorporated by reference in such agreement) and which is a forward, swap, future, option or other derivative on one or more rates, currencies, commodities, equity securities or other equity instruments, debt securities or other debt instruments, economic indices or measures of economic risk or value, or other benchmarks against which payments or deliveries are to be made, (b) any combination of these transactions and (c) any other transaction identified as a Specified Transaction in this Agreement or the relevant confirmation.

**“Stamp Tax”** means any stamp, registration, documentation or similar tax.

**“Stamp Tax Jurisdiction”** has the meaning specified in Section 4(e).

**“Tax”** means any present or future tax, levy, impost, duty, charge, assessment or fee of any nature (including interest, penalties and additions thereto) that is imposed by any government or other taxing authority in respect of any payment under this Agreement other than a stamp, registration, documentation or similar tax.

**“Tax Event”** has the meaning specified in Section 5(b).

**“Tax Event Upon Merger”** has the meaning specified in Section 5(b).

**“Terminated Transactions”** means, with respect to any Early Termination Date, (a) if resulting from an Illegality or a Force Majeure Event, all Affected Transactions specified in the notice given pursuant to Section 6(b)(iv), (b) if resulting from any other Termination Event, all Affected Transactions and (c) if resulting from an Event of Default, all Transactions in effect either immediately before the effectiveness of the notice designating that Early Termination Date or, if Automatic Early Termination applies, immediately before that Early Termination Date.

**“Termination Currency”** means (a) if a Termination Currency is specified in the Schedule and that currency is freely available, that currency, and (b) otherwise, euro if this Agreement is expressed to be governed by English law or United States Dollars if this Agreement is expressed to be governed by the laws of the State of New York.

**“Termination Currency Equivalent”** means, in respect of any amount denominated in the Termination Currency, such Termination Currency amount and, in respect of any amount denominated in a currency other than the Termination Currency (the “Other Currency”), the amount in the Termination Currency determined by the party making the relevant determination as being required to purchase such amount of such Other Currency as at the relevant Early Termination Date, or, if the relevant Close-out Amount is determined as of a later date, that later date, with the Termination Currency at the rate equal to the spot exchange rate of the foreign exchange agent (selected as provided below) for the purchase of such Other Currency with the Termination Currency at or about 11:00 a.m. (in the city in which such foreign exchange agent is located) on such date as would be customary for the determination of such a rate for the purchase of such Other Currency for value on the relevant Early Termination Date or that later date. The foreign exchange agent will, if only one party is obliged to make a determination under Section 6(e), be selected in good faith by that party and otherwise will be agreed by the parties.

**“Termination Event”** means an Illegality, a Force Majeure Event, a Tax Event, a Tax Event Upon Merger or, if specified to be applicable, a Credit Event Upon Merger or an Additional Termination Event.

**“Termination Rate”** means a rate per annum equal to the arithmetic mean of the cost (without proof or evidence of any actual cost) to each party (as certified by such party) if it were to fund or of funding such amounts.

**“Threshold Amount”** means the amount, if any, specified as such in the Schedule.

**“Transaction”** has the meaning specified in the preamble.

**“Unpaid Amounts”** owing to any party means, with respect to an Early Termination Date, the aggregate of (a) in respect of all Terminated Transactions, the amounts that became payable (or that would have become payable but for Section 2(a)(iii) or due but for Section 5(d)) to such party under Section 2(a)(i) or 2(d)(i)(4) on or prior to such Early Termination Date and which remain unpaid as at such Early Termination Date, (b) in respect of each Terminated Transaction, for each obligation under Section 2(a)(i) which was (or would have been but for Section 2(a)(iii) or 5(d)) required to be settled by delivery to such party on or prior to such Early Termination Date and which has not been so settled as at such Early Termination Date, an amount equal to the fair market value of that which was (or would have been) required to be delivered and (c) if the Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions, any Early Termination Amount due prior to such Early Termination Date and which remains unpaid as of such Early Termination Date, in each case together with any amount of interest accrued or other

compensation in respect of that obligation or deferred obligation, as the case may be, pursuant to Section 9(h)(ii)(1) or (2), as appropriate. The fair market value of any obligation referred to in clause (b) above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party obliged to make the determination under Section 6(e) or, if each party is so obliged, it will be the average of the Termination Currency Equivalents of the fair market values so determined by both parties.

***“Waiting Period”*** means:—

(a) in respect of an event or circumstance under Section 5(b)(i), other than in the case of Section 5(b)(i)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of three Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance; and

(b) in respect of an event or circumstance under Section 5(b)(ii), other than in the case of Section 5(b)(ii)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of eight Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance.

IN WITNESS WHEREOF the parties have executed this document on the respective dates specified below with effect from the date specified on the first page of this document.

**HSBC BANK USA, NATIONAL ASSOCIATION**

/s/ Leon Kirkland

Name: Leon Kirkland

Title: Authorized Signatory

Date: April 3, 2020

**ADVANCED ENERGY INDUSTRIES, INC.**

/s/ Paul Oldham

Name: Paul Oldham

Title: EVP & Chief Financial Officer

Date: April 3, 2020



International Swaps and Derivatives Association, Inc.

## 2002 MASTER AGREEMENT

dated as of April 7, 2020

**CITIBANK, N.A.**

and

**ADVANCED ENERGY INDUSTRIES, INC.**

have entered and/or anticipate entering into one or more transactions (each a "Transaction") that are or will be governed by this 2002 Master Agreement, which includes the schedule (the "Schedule"), and the documents and other confirming evidence (each a "Confirmation") exchanged between the parties or otherwise effective for the purpose of confirming or evidencing those Transactions. This 2002 Master Agreement and the Schedule are together referred to as this "Master Agreement".

Accordingly, the parties agree as follows:—

### 1. Interpretation

- (a) **Definitions.** The terms defined in Section 14 and elsewhere in this Master Agreement will have the meanings therein specified for the purpose of this Master Agreement.
- (b) **Inconsistency.** In the event of any inconsistency between the provisions of the Schedule and the other provisions of this Master Agreement, the Schedule will prevail. In the event of any inconsistency between the provisions of any Confirmation and this Master Agreement, such Confirmation will prevail for the purpose of the relevant Transaction.
- (c) **Single Agreement.** All Transactions are entered into in reliance on the fact that this Master Agreement and all Confirmations form a single agreement between the parties (collectively referred to as this "Agreement"), and the parties would not otherwise enter into any Transactions.

### 2. Obligations

#### (a) General Conditions.

- (i) Each party will make each payment or delivery specified in each Confirmation to be made by it, subject to the other provisions of this Agreement.
- (ii) Payments under this Agreement will be made on the due date for value on that date in the place of the account specified in the relevant Confirmation or otherwise pursuant to this Agreement, in freely transferable funds and in the manner customary for payments in the required currency. Where settlement is by delivery (that is, other than by payment), such delivery will be made for receipt on the due date in the manner customary for the relevant obligation unless otherwise specified in the relevant Confirmation or elsewhere in this Agreement.

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(iii) Each obligation of each party under Section 2(a)(i) is subject to (1) the condition precedent that no Event of Default or Potential Event of Default with respect to the other party has occurred and is continuing, (2) the condition precedent that no Early Termination Date in respect of the relevant Transaction has occurred or been effectively designated and (3) each other condition specified in this Agreement to be a condition precedent for the purpose of this Section 2(a)(iii).

(b) **Change of Account.** Either party may change its account for receiving a payment or delivery by giving notice to the other party at least five Local Business Days prior to the Scheduled Settlement Date for the payment or delivery to which such change applies unless such other party gives timely notice of a reasonable objection to such change.

(c) **Netting of Payments.** If on any date amounts would otherwise be payable:—

- (i) in the same currency; and
- (ii) in respect of the same Transaction,

by each party to the other, then, on such date, each party's obligation to make payment of any such amount will be automatically satisfied and discharged and, if the aggregate amount that would otherwise have been payable by one party exceeds the aggregate amount that would otherwise have been payable by the other party, replaced by an obligation upon the party by which the larger aggregate amount would have been payable to pay to the other party the excess of the larger aggregate amount over the smaller aggregate amount.

The parties may elect in respect of two or more Transactions that a net amount and payment obligation will be determined in respect of all amounts payable on the same date in the same currency in respect of those Transactions, regardless of whether such amounts are payable in respect of the same Transaction. The election may be made in the Schedule or any Confirmation by specifying that "Multiple Transaction Payment Netting" applies to the Transactions identified as being subject to the election (in which case clause (ii) above will not apply to such Transactions). If Multiple Transaction Payment Netting is applicable to Transactions, it will apply to those Transactions with effect from the starting date specified in the Schedule or such Confirmation, or, if a starting date is not specified in the Schedule or such Confirmation, the starting date otherwise agreed by the parties in writing. This election may be made separately for different groups of Transactions and will apply separately to each pairing of Offices through which the parties make and receive payments or deliveries.

(d) **Deduction or Withholding for Tax.**

(i) **Gross-Up.** All payments under this Agreement will be made without any deduction or withholding for or on account of any Tax unless such deduction or withholding is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, then in effect. If a party is so required to deduct or withhold, then that party ("X") will:—

- (1) promptly notify the other party ("Y") of such requirement;
- (2) pay to the relevant authorities the full amount required to be deducted or withheld (including the full amount required to be deducted or withheld from any additional amount paid by X to Y under this Section 2(d)) promptly upon the earlier of determining that such deduction or withholding is required or receiving notice that such amount has been assessed against Y;
- (3) promptly forward to Y an official receipt (or a certified copy), or other documentation reasonably acceptable to Y, evidencing such payment to such authorities; and

if such Tax is an Indemnifiable Tax, pay to Y, in addition to the payment to which Y is otherwise entitled under this Agreement, such additional amount as is necessary to ensure that the net amount actually received by Y (free and clear of Indemnifiable Taxes, whether assessed against X or Y) will equal the full amount Y would have received had no such deduction or withholding been required. However, X will not be required to pay any additional amount to Y to the extent that it would not be required to be paid but for:—

- (A) the failure by Y to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d); or
- (B) the failure of a representation made by Y pursuant to Section 3(f) to be accurate and true unless such failure would not have occurred but for (I) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (II) a Change in Tax Law.

(ii) **Liability.** If:—

- (1) X is required by any applicable law, as modified by the practice of any relevant governmental revenue authority, to make any deduction or withholding in respect of which X would not be required to pay an additional amount to Y under Section 2(d)(i)(4);
- (2) X does not so deduct or withhold; and
- (3) a liability resulting from such Tax is assessed directly against X,

then, except to the extent Y has satisfied or then satisfies the liability resulting from such Tax, Y will promptly pay to X the amount of such liability (including any related liability for interest, but including any related liability for penalties only if Y has failed to comply with or perform any agreement contained in Section 4(a)(i), 4(a)(iii) or 4(d)).

### 3. Representations

Each party makes the representations contained in Sections 3(a), 3(b), 3(c), 3(d), 3(e) and 3(f) and, if specified in the Schedule as applying, 3(g) to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into and, in the case of the representations in Section 3(f), at all times until the termination of this Agreement). If any “Additional Representation” is specified in the Schedule or any Confirmation as applying, the party or parties specified for such Additional Representation will make and, if applicable, be deemed to repeat such Additional Representation at the time or times specified for such Additional Representation.

(a) **Basic Representations.**

- (i) **Status.** It is duly organised and validly existing under the laws of the jurisdiction of its organisation or incorporation and, if relevant under such laws, in good standing;
- (ii) **Powers.** It has the power to execute this Agreement and any other documentation relating to this Agreement to which it is a party, to deliver this Agreement and any other documentation relating to this Agreement that it is required by this Agreement to deliver and to perform its obligations under this Agreement and any obligations it has under any Credit Support Document to which it is a party and has taken all necessary action to authorise such execution, delivery and performance;

**No Violation or Conflict.** Such execution, delivery and performance do not violate or conflict with any law applicable to it, any provision of its constitutional documents, any order or judgment of any court or other agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets;

(iv) **Consents.** All governmental and other consents that are required to have been obtained by it with respect to this Agreement or any Credit Support Document to which it is a party have been obtained and are in full force and effect and all conditions of any such consents have been complied with; and

(v) **Obligations Binding.** Its obligations under this Agreement and any Credit Support Document to which it is a party constitute its legal, valid and binding obligations, enforceable in accordance with their respective terms (subject to applicable bankruptcy, reorganisation, insolvency, moratorium or similar laws affecting creditors' rights generally and subject, as to enforceability, to equitable principles of general application (regardless of whether enforcement is sought in a proceeding in equity or at law)).

(b) **Absence of Certain Events.** No Event of Default or Potential Event of Default or, to its knowledge, Termination Event with respect to it has occurred and is continuing and no such event or circumstance would occur as a result of its entering into or performing its obligations under this Agreement or any Credit Support Document to which it is a party.

(c) **Absence of Litigation.** There is not pending or, to its knowledge, threatened against it, any of its Credit Support Providers or any of its applicable Specified Entities any action, suit or proceeding at law or in equity or before any court, tribunal, governmental body, agency or official or any arbitrator that is likely to affect the legality, validity or enforceability against it of this Agreement or any Credit Support Document to which it is a party or its ability to perform its obligations under this Agreement or such Credit Support Document.

(d) **Accuracy of Specified Information.** All applicable information that is furnished in writing by or on behalf of it to the other party and is identified for the purpose of this Section 3(d) in the Schedule is, as of the date of the information, true, accurate and complete in every material respect.

(e) **Payer Tax Representation.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(e) is accurate and true.

(f) **Payee Tax Representations.** Each representation specified in the Schedule as being made by it for the purpose of this Section 3(f) is accurate and true.

(g) **No Agency.** It is entering into this Agreement, including each Transaction, as principal and not as agent of any person or entity.

#### **4. Agreements**

Each party agrees with the other that, so long as either party has or may have any obligation under this Agreement or under any Credit Support Document to which it is a party:—

(a) **Furnish Specified Information.** It will deliver to the other party or, in certain cases under clause (iii) below, to such government or taxing authority as the other party reasonably directs:—

- (i) any forms, documents or certificates relating to taxation specified in the Schedule or any Confirmation;
- (ii) any other documents specified in the Schedule or any Confirmation; and

upon reasonable demand by such other party, any form or document that may be required or reasonably requested in writing in order to allow such other party or its Credit Support Provider to make a payment under this Agreement or any applicable Credit Support Document without any deduction or withholding for or on account of any Tax or with such deduction or withholding at a reduced rate (so long as the completion, execution or submission of such form or document would not materially prejudice the legal or commercial position of the party in receipt of such demand), with any such form or document to be accurate and completed in a manner reasonably satisfactory to such other party and to be executed and to be delivered with any reasonably required certification,

in each case by the date specified in the Schedule or such Confirmation or, if none is specified, as soon as reasonably practicable.

(b) **Maintain Authorisations.** It will use all reasonable efforts to maintain in full force and effect all consents of any governmental or other authority that are required to be obtained by it with respect to this Agreement or any Credit Support Document to which it is a party and will use all reasonable efforts to obtain any that may become necessary in the future.

(c) **Comply With Laws.** It will comply in all material respects with all applicable laws and orders to which it may be subject if failure so to comply would materially impair its ability to perform its obligations under this Agreement or any Credit Support Document to which it is a party.

(d) **Tax Agreement.** It will give notice of any failure of a representation made by it under Section 3(f) to be accurate and true promptly upon learning of such failure.

(e) **Payment of Stamp Tax.** Subject to Section 11, it will pay any Stamp Tax levied or imposed upon it or in respect of its execution or performance of this Agreement by a jurisdiction in which it is incorporated, organised, managed and controlled or considered to have its seat, or where an Office through which it is acting for the purpose of this Agreement is located ("Stamp Tax Jurisdiction"), and will indemnify the other party against any Stamp Tax levied or imposed upon the other party or in respect of the other party's execution or performance of this Agreement by any such Stamp Tax Jurisdiction which is not also a Stamp Tax Jurisdiction with respect to the other party.

## **5. Events of Default and Termination Events**

(a) **Events of Default.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any of the following events constitutes (subject to Sections 5(c) and 6(e)(iv)) an event of default (an "Event of Default") with respect to such party:—

(i) **Failure to Pay or Deliver.** Failure by the party to make, when due, any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) required to be made by it if such failure is not remedied on or before the first Local Business Day in the case of any such payment or the first Local Delivery Day in the case of any such delivery after, in each case, notice of such failure is given to the party;

(ii) **Breach of Agreement; Repudiation of Agreement.**

(1) Failure by the party to comply with or perform any agreement or obligation (other than an obligation to make any payment under this Agreement or delivery under Section 2(a)(i) or 9(h)(i)(2) or (4) or to give notice of a Termination Event or any agreement or obligation under Section 4(a)(i), 4(a)(iii) or 4(d)) to be complied with or performed by the party in accordance with this Agreement if such failure is not remedied within 30 days after notice of such failure is given to the party; or

(2) the party disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, this Master Agreement, any Confirmation executed and delivered by that party or any

Transaction evidenced by such a Confirmation (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iii) ***Credit Support Default.***

(1) Failure by the party or any Credit Support Provider of such party to comply with or perform any agreement or obligation to be complied with or performed by it in accordance with any Credit Support Document if such failure is continuing after any applicable grace period has elapsed;

(2) the expiration or termination of such Credit Support Document or the failing or ceasing of such Credit Support Document, or any security interest granted by such party or such Credit Support Provider to the other party pursuant to any such Credit Support Document, to be in full force and effect for the purpose of this Agreement (in each case other than in accordance with its terms) prior to the satisfaction of all obligations of such party under each Transaction to which such Credit Support Document relates without the written consent of the other party; or

(3) the party or such Credit Support Provider disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, such Credit Support Document (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

(iv) ***Misrepresentation.*** A representation (other than a representation under Section 3(e) or 3(f)) made or repeated or deemed to have been made or repeated by the party or any Credit Support Provider of such party in this Agreement or any Credit Support Document proves to have been incorrect or misleading in any material respect when made or repeated or deemed to have been made or repeated;

(v) ***Default Under Specified Transaction.*** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) defaults (other than by failing to make a delivery) under a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, that Specified Transaction;

(2) defaults, after giving effect to any applicable notice requirement or grace period, in making any payment due on the last payment or exchange date of, or any payment on early termination of, a Specified Transaction (or, if there is no applicable notice requirement or grace period, such default continues for at least one Local Business Day);

(3) defaults in making any delivery due under (including any delivery due on the last delivery or exchange date of) a Specified Transaction or any credit support arrangement relating to a Specified Transaction and, after giving effect to any applicable notice requirement or grace period, such default results in a liquidation of, an acceleration of obligations under, or an early termination of, all transactions outstanding under the documentation applicable to that Specified Transaction; or

(4) disaffirms, disclaims, repudiates or rejects, in whole or in part, or challenges the validity of, a Specified Transaction or any credit support arrangement relating to a Specified Transaction that is, in either case, confirmed or evidenced by a document or other confirming evidence executed and delivered by that party, Credit Support Provider or Specified Entity (or such action is taken by any person or entity appointed or empowered to operate it or act on its behalf);

**Cross-Default.** If “Cross-Default” is specified in the Schedule as applying to the party, the occurrence or existence of:—

(1) a default, event of default or other similar condition or event (however described) in respect of such party, any Credit Support Provider of such party or any applicable Specified Entity of such party under one or more agreements or instruments relating to Specified Indebtedness of any of them (individually or collectively) where the aggregate principal amount of such agreements or instruments, either alone or together with the amount, if any, referred to in clause (2) below, is not less than the applicable Threshold Amount (as specified in the Schedule) which has resulted in such Specified Indebtedness becoming, or becoming capable at such time of being declared, due and payable under such agreements or instruments before it would otherwise have been due and payable; or

(2) a default by such party, such Credit Support Provider or such Specified Entity (individually or collectively) in making one or more payments under such agreements or instruments on the due date for payment (after giving effect to any applicable notice requirement or grace period) in an aggregate amount, either alone or together with the amount, if any, referred to in clause (1) above, of not less than the applicable Threshold Amount;

(vii) **Bankruptcy.** The party, any Credit Support Provider of such party or any applicable Specified Entity of such party:—

(1) is dissolved (other than pursuant to a consolidation, amalgamation or merger); (2) becomes insolvent or is unable to pay its debts or fails or admits in writing its inability generally to pay its debts as they become due; (3) makes a general assignment, arrangement or composition with or for the benefit of its creditors; (4)(A) institutes or has instituted against it, by a regulator, supervisor or any similar official with primary insolvency, rehabilitative or regulatory jurisdiction over it in the jurisdiction of its incorporation or organisation or the jurisdiction of its head or home office, a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation by it or such regulator, supervisor or similar official, or (B) has instituted against it a proceeding seeking a judgment of insolvency or bankruptcy or any other relief under any bankruptcy or insolvency law or other similar law affecting creditors’ rights, or a petition is presented for its winding-up or liquidation, and such proceeding or petition is instituted or presented by a person or entity not described in clause (A) above and either (I) results in a judgment of insolvency or bankruptcy or the entry of an order for relief or the making of an order for its winding-up or liquidation or (II) is not dismissed, discharged, stayed or restrained in each case within 15 days of the institution or presentation thereof; (5) has a resolution passed for its winding-up, official management or liquidation (other than pursuant to a consolidation, amalgamation or merger); (6) seeks or becomes subject to the appointment of an administrator, provisional liquidator, conservator, receiver, trustee, custodian or other similar official for it or for all or substantially all its assets; (7) has a secured party take possession of all or substantially all its assets or has a distress, execution, attachment, sequestration or other legal process levied, enforced or sued on or against all or substantially all its assets and such secured party maintains possession, or any such process is not dismissed, discharged, stayed or restrained, in each case within 15 days thereafter; (8) causes or is subject to any event with respect to it which, under the applicable laws of any jurisdiction, has an analogous effect to any of the events specified in clauses (1) to (7) above (inclusive); or (9) takes any action in furtherance of, or indicating its consent to, approval of, or acquiescence in, any of the foregoing acts; or

**Merger Without Assumption.** The party or any Credit Support Provider of such party consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets to, or reorganises, reincorporates or reconstitutes into or as, another entity and, at the time of such consolidation, amalgamation, merger, transfer, reorganisation, reincorporation or reconstitution:—

- (1) the resulting, surviving or transferee entity fails to assume all the obligations of such party or such Credit Support Provider under this Agreement or any Credit Support Document to which it or its predecessor was a party; or
- (2) the benefits of any Credit Support Document fail to extend (without the consent of the other party) to the performance by such resulting, surviving or transferee entity of its obligations under this Agreement.

(b) **Termination Events.** The occurrence at any time with respect to a party or, if applicable, any Credit Support Provider of such party or any Specified Entity of such party of any event specified below constitutes (subject to Section 5(c)) an Illegality if the event is specified in clause (i) below, a Force Majeure Event if the event is specified in clause (ii) below, a Tax Event if the event is specified in clause (iii) below, a Tax Event Upon Merger if the event is specified in clause (iv) below, and, if specified to be applicable, a Credit Event Upon Merger if the event is specified pursuant to clause (v) below or an Additional Termination Event if the event is specified pursuant to clause (vi) below:—

(i) **Illegality.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, due to an event or circumstance (other than any action taken by a party or, if applicable, any Credit Support Provider of such party) occurring after a Transaction is entered into, it becomes unlawful under any applicable law (including without limitation the laws of any country in which payment, delivery or compliance is required by either party or any Credit Support Provider, as the case may be), on any day, or it would be unlawful if the relevant payment, delivery or compliance were required on that day (in each case, other than as a result of a breach by the party of Section 4(b)):—

- (1) for the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction to perform any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, to receive a payment or delivery in respect of such Transaction or to comply with any other material provision of this Agreement relating to such Transaction; or
- (2) for such party or any Credit Support Provider of such party (which will be the Affected Party) to perform any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, to receive a payment or delivery under such Credit Support Document or to comply with any other material provision of such Credit Support Document;

(ii) **Force Majeure Event.** After giving effect to any applicable provision, disruption fallback or remedy specified in, or pursuant to, the relevant Confirmation or elsewhere in this Agreement, by reason of force majeure or act of state occurring after a Transaction is entered into, on any day:—

- (1) the Office through which such party (which will be the Affected Party) makes and receives payments or deliveries with respect to such Transaction is prevented from performing any absolute or contingent obligation to make a payment or delivery in respect of such Transaction, from receiving a payment or delivery in respect of such Transaction or from complying with any other material provision of this Agreement relating to such Transaction (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or

impracticable for such Office so to perform, receive or comply (or it would be impossible or impracticable for such Office so to perform, receive or comply if such payment, delivery or compliance were required on that day); or

(2) such party or any Credit Support Provider of such party (which will be the Affected Party) is prevented from performing any absolute or contingent obligation to make a payment or delivery which such party or Credit Support Provider has under any Credit Support Document relating to such Transaction, from receiving a payment or delivery under such Credit Support Document or from complying with any other material provision of such Credit Support Document (or would be so prevented if such payment, delivery or compliance were required on that day), or it becomes impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply (or it would be impossible or impracticable for such party or Credit Support Provider so to perform, receive or comply if such payment, delivery or compliance were required on that day),

so long as the force majeure or act of state is beyond the control of such Office, such party or such Credit Support Provider, as appropriate, and such Office, party or Credit Support Provider could not, after using all reasonable efforts (which will not require such party or Credit Support Provider to incur a loss, other than immaterial, incidental expenses), overcome such prevention, impossibility or impracticability;

(iii) **Tax Event.** Due to (1) any action taken by a taxing authority, or brought in a court of competent jurisdiction, after a Transaction is entered into (regardless of whether such action is taken or brought with respect to a party to this Agreement) or (2) a Change in Tax Law, the party (which will be the Affected Party) will, or there is a substantial likelihood that it will, on the next succeeding Scheduled Settlement Date (A) be required to pay to the other party an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (B) receive a payment from which an amount is required to be deducted or withheld for or on account of a Tax (except in respect of interest under Section 9(h)) and no additional amount is required to be paid in respect of such Tax under Section 2(d)(i)(4) (other than by reason of Section 2(d)(i)(4)(A) or (B));

(iv) **Tax Event Upon Merger.** The party (the “Burdened Party”) on the next succeeding Scheduled Settlement Date will either (1) be required to pay an additional amount in respect of an Indemnifiable Tax under Section 2(d)(i)(4) (except in respect of interest under Section 9(h)) or (2) receive a payment from which an amount has been deducted or withheld for or on account of any Tax in respect of which the other party is not required to pay an additional amount (other than by reason of Section 2(d)(i)(4)(A) or (B)), in either case as a result of a party consolidating or amalgamating with, or merging with or into, or transferring all or substantially all its assets (or any substantial part of the assets comprising the business conducted by it as of the date of this Master Agreement) to, or reorganising, reincorporating or reconstituting into or as, another entity (which will be the Affected Party) where such action does not constitute a Merger Without Assumption;

(v) **Credit Event Upon Merger.** If “Credit Event Upon Merger” is specified in the Schedule as applying to the party, a Designated Event (as defined below) occurs with respect to such party, any Credit Support Provider of such party or any applicable Specified Entity of such party (in each case, “X”) and such Designated Event does not constitute a Merger Without Assumption, and the creditworthiness of X or, if applicable, the successor, surviving or transferee entity of X, after taking into account any applicable Credit Support Document, is materially weaker immediately after the occurrence of such Designated Event than that of X immediately prior to the occurrence of such Designated Event (and, in any such event, such party or its successor, surviving or transferee entity, as appropriate, will be the Affected Party). A “Designated Event” with respect to X means that:—

(1) X consolidates or amalgamates with, or merges with or into, or transfers all or substantially all its assets (or any substantial part of the assets comprising the business conducted by X as of the



date of this Master Agreement) to, or reorganises, reincorporates or reconstitutes into or as, another entity;

(2) any person, related group of persons or entity acquires directly or indirectly the beneficial ownership of (A) equity securities having the power to elect a majority of the board of directors (or its equivalent) of X or (B) any other ownership interest enabling it to exercise control of X; or

(3) X effects any substantial change in its capital structure by means of the issuance, incurrence or guarantee of debt or the issuance of (A) preferred stock or other securities convertible into or exchangeable for debt or preferred stock or (B) in the case of entities other than corporations, any other form of ownership interest; or

(vi) **Additional Termination Event.** If any “Additional Termination Event” is specified in the Schedule or any Confirmation as applying, the occurrence of such event (and, in such event, the Affected Party or Affected Parties will be as specified for such Additional Termination Event in the Schedule or such Confirmation).

(c) **Hierarchy of Events.**

(i) An event or circumstance that constitutes or gives rise to an Illegality or a Force Majeure Event will not, for so long as that is the case, also constitute or give rise to an Event of Default under Section 5(a)(i), 5(a)(ii)(1) or 5(a)(iii)(1) insofar as such event or circumstance relates to the failure to make any payment or delivery or a failure to comply with any other material provision of this Agreement or a Credit Support Document, as the case may be.

(ii) Except in circumstances contemplated by clause (i) above, if an event or circumstance which would otherwise constitute or give rise to an Illegality or a Force Majeure Event also constitutes an Event of Default or any other Termination Event, it will be treated as an Event of Default or such other Termination Event, as the case may be, and will not constitute or give rise to an Illegality or a Force Majeure Event.

(iii) If an event or circumstance which would otherwise constitute or give rise to a Force Majeure Event also constitutes an Illegality, it will be treated as an Illegality, except as described in clause (ii) above, and not a Force Majeure Event.

(d) **Deferral of Payments and Deliveries During Waiting Period.** If an Illegality or a Force Majeure Event has occurred and is continuing with respect to a Transaction, each payment or delivery which would otherwise be required to be made under that Transaction will be deferred to, and will not be due until:—

(i) the first Local Business Day or, in the case of a delivery, the first Local Delivery Day (or the first day that would have been a Local Business Day or Local Delivery Day, as appropriate, but for the occurrence of the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event) following the end of any applicable Waiting Period in respect of that Illegality or Force Majeure Event, as the case may be; or

(ii) if earlier, the date on which the event or circumstance constituting or giving rise to that Illegality or Force Majeure Event ceases to exist or, if such date is not a Local Business Day or, in the case of a delivery, a Local Delivery Day, the first following day that is a Local Business Day or Local Delivery Day, as appropriate.

(e) **Inability of Head or Home Office to Perform Obligations of Branch.** If (i) an Illegality or a Force Majeure Event occurs under Section 5(b)(i)(1) or 5(b)(ii)(1) and the relevant Office is not the Affected Party’s head or home office, (ii) Section 10(a) applies, (iii) the other party seeks performance of the relevant obligation or

compliance with the relevant provision by the Affected Party's head or home office and (iv) the Affected Party's head or home office fails so to perform or comply due to the occurrence of an event or circumstance which would, if that head or home office were the Office through which the Affected Party makes and receives payments and deliveries with respect to the relevant Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and such failure would otherwise constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) with respect to such party, then, for so long as the relevant event or circumstance continues to exist with respect to both the Office referred to in Section 5(b)(i)(1) or 5(b)(ii)(1), as the case may be, and the Affected Party's head or home office, such failure will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1).

## **6. Early Termination; Close-Out Netting**

(a) ***Right to Terminate Following Event of Default.*** If at any time an Event of Default with respect to a party (the "Defaulting Party") has occurred and is then continuing, the other party (the "Non-defaulting Party") may, by not more than 20 days notice to the Defaulting Party specifying the relevant Event of Default, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all outstanding Transactions. If, however, "Automatic Early Termination" is specified in the Schedule as applying to a party, then an Early Termination Date in respect of all outstanding Transactions will occur immediately upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(1), (3), (5), (6) or, to the extent analogous thereto, (8), and as of the time immediately preceding the institution of the relevant proceeding or the presentation of the relevant petition upon the occurrence with respect to such party of an Event of Default specified in Section 5(a)(vii)(4) or, to the extent analogous thereto, (8).

### **(b) *Right to Terminate Following Termination Event.***

(i) ***Notice.*** If a Termination Event other than a Force Majeure Event occurs, an Affected Party will, promptly upon becoming aware of it, notify the other party, specifying the nature of that Termination Event and each Affected Transaction, and will also give the other party such other information about that Termination Event as the other party may reasonably require. If a Force Majeure Event occurs, each party will, promptly upon becoming aware of it, use all reasonable efforts to notify the other party, specifying the nature of that Force Majeure Event, and will also give the other party such other information about that Force Majeure Event as the other party may reasonably require.

(ii) ***Transfer to Avoid Termination Event.*** If a Tax Event occurs and there is only one Affected Party, or if a Tax Event Upon Merger occurs and the Burdened Party is the Affected Party, the Affected Party will, as a condition to its right to designate an Early Termination Date under Section 6(b)(iv), use all reasonable efforts (which will not require such party to incur a loss, other than immaterial, incidental expenses) to transfer within 20 days after it gives notice under Section 6(b)(i) all its rights and obligations under this Agreement in respect of the Affected Transactions to another of its Offices or Affiliates so that such Termination Event ceases to exist.

If the Affected Party is not able to make such a transfer it will give notice to the other party to that effect within such 20 day period, whereupon the other party may effect such a transfer within 30 days after the notice is given under Section 6(b)(i).

Any such transfer by a party under this Section 6(b)(ii) will be subject to and conditional upon the prior written consent of the other party, which consent will not be withheld if such other party's policies in effect at such time would permit it to enter into transactions with the transferee on the terms proposed.

(iii) ***Two Affected Parties.*** If a Tax Event occurs and there are two Affected Parties, each party will use all reasonable efforts to reach agreement within 30 days after notice of such occurrence is given under Section 6(b)(i) to avoid that Termination Event.

***Right to Terminate.***

(1) If:—

(A) a transfer under Section 6(b)(ii) or an agreement under Section 6(b)(iii), as the case may be, has not been effected with respect to all Affected Transactions within 30 days after an Affected Party gives notice under Section 6(b)(i); or

(B) a Credit Event Upon Merger or an Additional Termination Event occurs, or a Tax Event Upon Merger occurs and the Burdened Party is not the Affected Party,

the Burdened Party in the case of a Tax Event Upon Merger, any Affected Party in the case of a Tax Event or an Additional Termination Event if there are two Affected Parties, or the Non-affected Party in the case of a Credit Event Upon Merger or an Additional Termination Event if there is only one Affected Party may, if the relevant Termination Event is then continuing, by not more than 20 days notice to the other party, designate a day not earlier than the day such notice is effective as an Early Termination Date in respect of all Affected Transactions.

(2) If at any time an Illegality or a Force Majeure Event has occurred and is then continuing and any applicable Waiting Period has expired:—

(A) Subject to clause (B) below, either party may, by not more than 20 days notice to the other party, designate (I) a day not earlier than the day on which such notice becomes effective as an Early Termination Date in respect of all Affected Transactions or (II) by specifying in that notice the Affected Transactions in respect of which it is designating the relevant day as an Early Termination Date, a day not earlier than two Local Business Days following the day on which such notice becomes effective as an Early Termination Date in respect of less than all Affected Transactions. Upon receipt of a notice designating an Early Termination Date in respect of less than all Affected Transactions, the other party may, by notice to the designating party, if such notice is effective on or before the day so designated, designate that same day as an Early Termination Date in respect of any or all other Affected Transactions.

(B) An Affected Party (if the Illegality or Force Majeure Event relates to performance by such party or any Credit Support Provider of such party of an obligation to make any payment or delivery under, or to compliance with any other material provision of, the relevant Credit Support Document) will only have the right to designate an Early Termination Date under Section 6(b)(iv)(2)(A) as a result of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2) following the prior designation by the other party of an Early Termination Date, pursuant to Section 6(b)(iv)(2)(A), in respect of less than all Affected Transactions.

(c) ***Effect of Designation.***

(i) If notice designating an Early Termination Date is given under Section 6(a) or 6(b), the Early Termination Date will occur on the date so designated, whether or not the relevant Event of Default or Termination Event is then continuing.

(ii) Upon the occurrence or effective designation of an Early Termination Date, no further payments or deliveries under Section 2(a)(i) or 9(h)(i) in respect of the Terminated Transactions will be required to be made, but without prejudice to the other provisions of this Agreement. The amount, if any, payable in respect of an Early Termination Date will be determined pursuant to Sections 6(e) and 9(h)(ii).

### ***Calculations; Payment Date.***

- (i) **Statement.** On or as soon as reasonably practicable following the occurrence of an Early Termination Date, each party will make the calculations on its part, if any, contemplated by Section 6(e) and will provide to the other party a statement (1) showing, in reasonable detail, such calculations (including any quotations, market data or information from internal sources used in making such calculations), (2) specifying (except where there are two Affected Parties) any Early Termination Amount payable and (3) giving details of the relevant account to which any amount payable to it is to be paid. In the absence of written confirmation from the source of a quotation or market data obtained in determining a Close-out Amount, the records of the party obtaining such quotation or market data will be conclusive evidence of the existence and accuracy of such quotation or market data.
- (ii) **Payment Date.** An Early Termination Amount due in respect of any Early Termination Date will, together with any amount of interest payable pursuant to Section 9(h)(ii)(2), be payable (1) on the day on which notice of the amount payable is effective in the case of an Early Termination Date which is designated or occurs as a result of an Event of Default and (2) on the day which is two Local Business Days after the day on which notice of the amount payable is effective (or, if there are two Affected Parties, after the day on which the statement provided pursuant to clause (i) above by the second party to provide such a statement is effective) in the case of an Early Termination Date which is designated as a result of a Termination Event.
- (e) **Payments on Early Termination.** If an Early Termination Date occurs, the amount, if any, payable in respect of that Early Termination Date (the “Early Termination Amount”) will be determined pursuant to this Section 6(e) and will be subject to Section 6(f).
- (i) **Events of Default.** If the Early Termination Date results from an Event of Default, the Early Termination Amount will be an amount equal to (1) the sum of (A) the Termination Currency Equivalent of the Close-out Amount or Close-out Amounts (whether positive or negative) determined by the Non-defaulting Party for each Terminated Transaction or group of Terminated Transactions, as the case may be, and (B) the Termination Currency Equivalent of the Unpaid Amounts owing to the Non-defaulting Party less (2) the Termination Currency Equivalent of the Unpaid Amounts owing to the Defaulting Party. If the Early Termination Amount is a positive number, the Defaulting Party will pay it to the Non-defaulting Party; if it is a negative number, the Non-defaulting Party will pay the absolute value of the Early Termination Amount to the Defaulting Party.
- (ii) **Termination Events.** If the Early Termination Date results from a Termination Event:—
- (1) **One Affected Party.** Subject to clause (3) below, if there is one Affected Party, the Early Termination Amount will be determined in accordance with Section 6(e)(i), except that references to the Defaulting Party and to the Non-defaulting Party will be deemed to be references to the Affected Party and to the Non-affected Party, respectively.
- (2) **Two Affected Parties.** Subject to clause (3) below, if there are two Affected Parties, each party will determine an amount equal to the Termination Currency Equivalent of the sum of the Close-out Amount or Close-out Amounts (whether positive or negative) for each Terminated Transaction or group of Terminated Transactions, as the case may be, and the Early Termination Amount will be an amount equal to (A) the sum of (I) one-half of the difference between the higher amount so determined (by party “X”) and the lower amount so determined (by party “Y”) and (II) the Termination Currency Equivalent of the Unpaid Amounts owing to X less (B) the Termination Currency Equivalent of the Unpaid Amounts owing to Y. If the Early Termination Amount is a positive number, Y will pay it to X; if it is a negative number, X will pay the absolute value of the Early Termination Amount to Y.

*Mid-Market Events.* If that Termination Event is an Illegality or a Force Majeure Event, then the Early Termination Amount will be determined in accordance with clause (1) or (2) above, as appropriate, except that, for the purpose of determining a Close-out Amount or Close-out Amounts, the Determining Party will:—

- (A) if obtaining quotations from one or more third parties (or from any of the Determining Party's Affiliates), ask each third party or Affiliate (I) not to take account of the current creditworthiness of the Determining Party or any existing Credit Support Document and (II) to provide mid-market quotations; and
- (B) in any other case, use mid-market values without regard to the creditworthiness of the Determining Party.

(iii) **Adjustment for Bankruptcy.** In circumstances where an Early Termination Date occurs because Automatic Early Termination applies in respect of a party, the Early Termination Amount will be subject to such adjustments as are appropriate and permitted by applicable law to reflect any payments or deliveries made by one party to the other under this Agreement (and retained by such other party) during the period from the relevant Early Termination Date to the date for payment determined under Section 6(d) (ii).

(iv) **Adjustment for Illegality or Force Majeure Event.** The failure by a party or any Credit Support Provider of such party to pay, when due, any Early Termination Amount will not constitute an Event of Default under Section 5(a)(i) or 5(a)(iii)(1) if such failure is due to the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event. Such amount will (1) accrue interest and otherwise be treated as an Unpaid Amount owing to the other party if subsequently an Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions and (2) otherwise accrue interest in accordance with Section 9(h)(ii)(2).

(v) **Pre-Estimate.** The parties agree that an amount recoverable under this Section 6(e) is a reasonable pre-estimate of loss and not a penalty. Such amount is payable for the loss of bargain and the loss of protection against future risks, and, except as otherwise provided in this Agreement, neither party will be entitled to recover any additional damages as a consequence of the termination of the Terminated Transactions.

(f) **Set-Off.** Any Early Termination Amount payable to one party (the "Payee") by the other party (the "Payer"), in circumstances where there is a Defaulting Party or where there is one Affected Party in the case where either a Credit Event Upon Merger has occurred or any other Termination Event in respect of which all outstanding Transactions are Affected Transactions has occurred, will, at the option of the Non-defaulting Party or the Non-affected Party, as the case may be ("X") (and without prior notice to the Defaulting Party or the Affected Party, as the case may be), be reduced by its set-off against any other amounts ("Other Amounts") payable by the Payee to the Payer (whether or not arising under this Agreement, matured or contingent and irrespective of the currency, place of payment or place of booking of the obligation). To the extent that any Other Amounts are so set off, those Other Amounts will be discharged promptly and in all respects. X will give notice to the other party of any set-off effected under this Section 6(f).

For this purpose, either the Early Termination Amount or the Other Amounts (or the relevant portion of such amounts) may be converted by X into the currency in which the other is denominated at the rate of exchange at which such party would be able, in good faith and using commercially reasonable procedures, to purchase the relevant amount of such currency.

If an obligation is unascertained, X may in good faith estimate that obligation and set off in respect of the estimate, subject to the relevant party accounting to the other when the obligation is ascertained.

Nothing in this Section 6(f) will be effective to create a charge or other security interest. This Section 6(f) will be without prejudice and in addition to any right of set-off, offset, combination of accounts, lien, right of retention or withholding or similar right or requirement to which any party is at any time otherwise entitled or subject (whether by operation of law, contract or otherwise).

## **7. Transfer**

Subject to Section 6(b)(ii) and to the extent permitted by applicable law, neither this Agreement nor any interest or obligation in or under this Agreement may be transferred (whether by way of security or otherwise) by either party without the prior written consent of the other party, except that:—

- (a) a party may make such a transfer of this Agreement pursuant to a consolidation or amalgamation with, or merger with or into, or transfer of all or substantially all its assets to, another entity (but without prejudice to any other right or remedy under this Agreement); and
- (b) a party may make such a transfer of all or any part of its interest in any Early Termination Amount payable to it by a Defaulting Party, together with any amounts payable on or with respect to that interest and any other rights associated with that interest pursuant to Sections 8, 9(h) and 11.

Any purported transfer that is not in compliance with this Section 7 will be void.

## **8. Contractual Currency**

(a) **Payment in the Contractual Currency.** Each payment under this Agreement will be made in the relevant currency specified in this Agreement for that payment (the “Contractual Currency”). To the extent permitted by applicable law, any obligation to make payments under this Agreement in the Contractual Currency will not be discharged or satisfied by any tender in any currency other than the Contractual Currency, except to the extent such tender results in the actual receipt by the party to which payment is owed, acting in good faith and using commercially reasonable procedures in converting the currency so tendered into the Contractual Currency, of the full amount in the Contractual Currency of all amounts payable in respect of this Agreement. If for any reason the amount in the Contractual Currency so received falls short of the amount in the Contractual Currency payable in respect of this Agreement, the party required to make the payment will, to the extent permitted by applicable law, immediately pay such additional amount in the Contractual Currency as may be necessary to compensate for the shortfall. If for any reason the amount in the Contractual Currency so received exceeds the amount in the Contractual Currency payable in respect of this Agreement, the party receiving the payment will refund promptly the amount of such excess.

(b) **Judgments.** To the extent permitted by applicable law, if any judgment or order expressed in a currency other than the Contractual Currency is rendered (i) for the payment of any amount owing in respect of this Agreement, (ii) for the payment of any amount relating to any early termination in respect of this Agreement or (iii) in respect of a judgment or order of another court for the payment of any amount described in clause (i) or (ii) above, the party seeking recovery, after recovery in full of the aggregate amount to which such party is entitled pursuant to the judgment or order, will be entitled to receive immediately from the other party the amount of any shortfall of the Contractual Currency received by such party as a consequence of sums paid in such other currency and will refund promptly to the other party any excess of the Contractual Currency received by such party as a consequence of sums paid in such other currency if such shortfall or such excess arises or results from any variation between the rate of exchange at which the Contractual Currency is converted into the currency of the judgment or order for the purpose of such judgment or order and the rate of exchange at which such party is able, acting in good faith and using

commercially reasonable procedures in converting the currency received into the Contractual Currency, to purchase the Contractual Currency with the amount of the currency of the judgment or order actually received by such party.

(c) **Separate Indemnities.** To the extent permitted by applicable law, the indemnities in this Section 8 constitute separate and independent obligations from the other obligations in this Agreement, will be enforceable as separate and independent causes of action, will apply notwithstanding any indulgence granted by the party to which any payment is owed and will not be affected by judgment being obtained or claim or proof being made for any other sums payable in respect of this Agreement.

(d) **Evidence of Loss.** For the purpose of this Section 8, it will be sufficient for a party to demonstrate that it would have suffered a loss had an actual exchange or purchase been made.

## **9. Miscellaneous**

(a) **Entire Agreement.** This Agreement constitutes the entire agreement and understanding of the parties with respect to its subject matter. Each of the parties acknowledges that in entering into this Agreement it has not relied on any oral or written representation, warranty or other assurance (except as provided for or referred to in this Agreement) and waives all rights and remedies which might otherwise be available to it in respect thereof, except that nothing in this Agreement will limit or exclude any liability of a party for fraud.

(b) **Amendments.** An amendment, modification or waiver in respect of this Agreement will only be effective if in writing (including a writing evidenced by a facsimile transmission) and executed by each of the parties or confirmed by an exchange of telexes or by an exchange of electronic messages on an electronic messaging system.

(c) **Survival of Obligations.** Without prejudice to Sections 2(a)(iii) and 6(c)(ii), the obligations of the parties under this Agreement will survive the termination of any Transaction.

(d) **Remedies Cumulative.** Except as provided in this Agreement, the rights, powers, remedies and privileges provided in this Agreement are cumulative and not exclusive of any rights, powers, remedies and privileges provided by law.

(e) **Counterparts and Confirmations.**

(i) This Agreement (and each amendment, modification and waiver in respect of it) may be executed and delivered in counterparts (including by facsimile transmission and by electronic messaging system), each of which will be deemed an original.

(ii) The parties intend that they are legally bound by the terms of each Transaction from the moment they agree to those terms (whether orally or otherwise). A Confirmation will be entered into as soon as practicable and may be executed and delivered in counterparts (including by facsimile transmission) or be created by an exchange of telexes, by an exchange of electronic messages on an electronic messaging system or by an exchange of e-mails, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, telex, electronic message or e-mail constitutes a Confirmation.

(f) **No Waiver of Rights.** A failure or delay in exercising any right, power or privilege in respect of this Agreement will not be presumed to operate as a waiver, and a single or partial exercise of any right, power or privilege will not be presumed to preclude any subsequent or further exercise, of that right, power or privilege or the exercise of any other right, power or privilege.

(g) **Headings.** The headings used in this Agreement are for convenience of reference only and are not to affect the construction of or to be taken into consideration in interpreting this Agreement.

### ***Interest and Compensation.***

(i) Prior to Early Termination. Prior to the occurrence or effective designation of an Early Termination Date in respect of the relevant Transaction:—

(1) *Interest on Defaulted Payments.* If a party defaults in the performance of any payment obligation, it will, to the extent permitted by applicable law and subject to Section 6(c), pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the original due date for payment to (but excluding) the date of actual payment (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (3)(B) or (C) below), at the Default Rate.

(2) *Compensation for Defaulted Deliveries.* If a party defaults in the performance of any obligation required to be settled by delivery, it will on demand (A) compensate the other party to the extent provided for in the relevant Confirmation or elsewhere in this Agreement and (B) unless otherwise provided in the relevant Confirmation or elsewhere in this Agreement, to the extent permitted by applicable law and subject to Section 6(c), pay to the other party interest (before as well as after judgment) on an amount equal to the fair market value of that which was required to be delivered in the same currency as that amount, for the period from (and including) the originally scheduled date for delivery to (but excluding) the date of actual delivery (and excluding any period in respect of which interest or compensation in respect of that amount is due pursuant to clause (4) below), at the Default Rate. The fair market value of any obligation referred to above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party that was entitled to take delivery.

(3) *Interest on Deferred Payments.* If:—

(A) a party does not pay any amount that, but for Section 2(a)(iii), would have been payable, it will, to the extent permitted by applicable law and subject to Section 6(c) and clauses (B) and (C) below, pay interest (before as well as after judgment) on that amount to the other party on demand (after such amount becomes payable) in the same currency as that amount, for the period from (and including) the date the amount would, but for Section 2(a)(iii), have been payable to (but excluding) the date the amount actually becomes payable, at the Applicable Deferral Rate;

(B) a payment is deferred pursuant to Section 5(d), the party which would otherwise have been required to make that payment will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the amount of the deferred payment to the other party on demand (after such amount becomes payable) in the same currency as the deferred payment, for the period from (and including) the date the amount would, but for Section 5(d), have been payable to (but excluding) the earlier of the date the payment is no longer deferred pursuant to Section 5(d) and the date during the deferral period upon which an Event of Default or Potential Event of Default with respect to that party occurs, at the Applicable Deferral Rate; or

(C) a party fails to make any payment due to the occurrence of an Illegality or a Force Majeure Event (after giving effect to any deferral period contemplated by clause (B) above), it will, to the extent permitted by applicable law, subject to Section 6(c) and for so long as the event or circumstance giving rise to that Illegality or Force Majeure Event



continues and no Event of Default or Potential Event of Default with respect to that party has occurred and is continuing, pay interest (before as well as after judgment) on the overdue amount to the other party on demand in the same currency as the overdue amount, for the period from (and including) the date the party fails to make the payment due to the occurrence of the relevant Illegality or Force Majeure Event (or, if later, the date the payment is no longer deferred pursuant to Section 5(d)) to (but excluding) the earlier of the date the event or circumstance giving rise to that Illegality or Force Majeure Event ceases to exist and the date during the period upon which an Event of Default or Potential Event of Default with respect to that party occurs (and excluding any period in respect of which interest or compensation in respect of the overdue amount is due pursuant to clause (B) above), at the Applicable Deferral Rate.

(4) *Compensation for Deferred Deliveries.* If:—

(A) a party does not perform any obligation that, but for Section 2(a)(iii), would have been required to be settled by delivery;

(B) a delivery is deferred pursuant to Section 5(d); or

(C) a party fails to make a delivery due to the occurrence of an Illegality or a Force Majeure Event at a time when any applicable Waiting Period has expired,

the party required (or that would otherwise have been required) to make the delivery will, to the extent permitted by applicable law and subject to Section 6(c), compensate and pay interest to the other party on demand (after, in the case of clauses (A) and (B) above, such delivery is required) if and to the extent provided for in the relevant Confirmation or elsewhere in this Agreement.

(ii) **Early Termination.** Upon the occurrence or effective designation of an Early Termination Date in respect of a Transaction:—

(1) *Unpaid Amounts.* For the purpose of determining an Unpaid Amount in respect of the relevant Transaction, and to the extent permitted by applicable law, interest will accrue on the amount of any payment obligation or the amount equal to the fair market value of any obligation required to be settled by delivery included in such determination in the same currency as that amount, for the period from (and including) the date the relevant obligation was (or would have been but for Section 2(a)(iii) or 5(d)) required to have been performed to (but excluding) the relevant Early Termination Date, at the Applicable Close-out Rate.

(2) *Interest on Early Termination Amounts.* If an Early Termination Amount is due in respect of such Early Termination Date, that amount will, to the extent permitted by applicable law, be paid together with interest (before as well as after judgment) on that amount in the Termination Currency, for the period from (and including) such Early Termination Date to (but excluding) the date the amount is paid, at the Applicable Close-out Rate.

(iii) **Interest Calculation.** Any interest pursuant to this Section 9(h) will be calculated on the basis of daily compounding and the actual number of days elapsed.

## Offices; Multibranch Parties

(a) If Section 10(a) is specified in the Schedule as applying, each party that enters into a Transaction through an Office other than its head or home office represents to and agrees with the other party that, notwithstanding the place of booking or its jurisdiction of incorporation or organisation, its obligations are the same in terms of recourse against it as if it had entered into the Transaction through its head or home office, except that a party will not have recourse to the head or home office of the other party in respect of any payment or delivery deferred pursuant to Section 5(d) for so long as the payment or delivery is so deferred. This representation and agreement will be deemed to be repeated by each party on each date on which the parties enter into a Transaction.

(b) If a party is specified as a Multibranch Party in the Schedule, such party may, subject to clause (c) below, enter into a Transaction through, book a Transaction in and make and receive payments and deliveries with respect to a Transaction through any Office listed in respect of that party in the Schedule (but not any other Office unless otherwise agreed by the parties in writing).

(c) The Office through which a party enters into a Transaction will be the Office specified for that party in the relevant Confirmation or as otherwise agreed by the parties in writing, and, if an Office for that party is not specified in the Confirmation or otherwise agreed by the parties in writing, its head or home office. Unless the parties otherwise agree in writing, the Office through which a party enters into a Transaction will also be the Office in which it books the Transaction and the Office through which it makes and receives payments and deliveries with respect to the Transaction. Subject to Section 6(b)(ii), neither party may change the Office in which it books the Transaction or the Office through which it makes and receives payments or deliveries with respect to a Transaction without the prior written consent of the other party.

## 11. Expenses

A Defaulting Party will on demand indemnify and hold harmless the other party for and against all reasonable out-of-pocket expenses, including legal fees, execution fees and Stamp Tax, incurred by such other party by reason of the enforcement and protection of its rights under this Agreement or any Credit Support Document to which the Defaulting Party is a party or by reason of the early termination of any Transaction, including, but not limited to, costs of collection.

## 12. Notices

(a) **Effectiveness.** Any notice or other communication in respect of this Agreement may be given in any manner described below (except that a notice or other communication under Section 5 or 6 may not be given by electronic messaging system or e-mail) to the address or number or in accordance with the electronic messaging system or e-mail details provided (see the Schedule) and will be deemed effective as indicated:

- (i) if in writing and delivered in person or by courier, on the date it is delivered;
- (ii) if sent by telex, on the date the recipient's answerback is received;
- (iii) if sent by facsimile transmission, on the date it is received by a responsible employee of the recipient in legible form (it being agreed that the burden of proving receipt will be on the sender and will not be met by a transmission report generated by the sender's facsimile machine);
- (iv) if sent by certified or registered mail (airmail, if overseas) or the equivalent (return receipt requested), on the date it is delivered or its delivery is attempted;
- (v) if sent by electronic messaging system, on the date it is received; or

if sent by e-mail, on the date it is delivered,

unless the date of that delivery (or attempted delivery) or that receipt, as applicable, is not a Local Business Day or that communication is delivered (or attempted) or received, as applicable, after the close of business on a Local Business Day, in which case that communication will be deemed given and effective on the first following day that is a Local Business Day.

(b) **Change of Details.** Either party may by notice to the other change the address, telex or facsimile number or electronic messaging system or e-mail details at which notices or other communications are to be given to it.

### 13. Governing Law and Jurisdiction

(a) **Governing Law.** This Agreement will be governed by and construed in accordance with the law specified in the Schedule.

(b) **Jurisdiction.** With respect to any suit, action or proceedings relating to any dispute arising out of or in connection with this Agreement (“Proceedings”), each party irrevocably:—

(i) submits:—

(1) if this Agreement is expressed to be governed by English law, to (A) the non-exclusive jurisdiction of the English courts if the Proceedings do not involve a Convention Court and (B) the exclusive jurisdiction of the English courts if the Proceedings do involve a Convention Court; or

(2) if this Agreement is expressed to be governed by the laws of the State of New York, to the non-exclusive jurisdiction of the courts of the State of New York and the United States District Court located in the Borough of Manhattan in New York City;

(ii) waives any objection which it may have at any time to the laying of venue of any Proceedings brought in any such court, waives any claim that such Proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such Proceedings, that such court does not have any jurisdiction over such party; and

(iii) agrees, to the extent permitted by applicable law, that the bringing of Proceedings in any one or more jurisdictions will not preclude the bringing of Proceedings in any other jurisdiction.

(c) **Service of Process.** Each party irrevocably appoints the Process Agent, if any, specified opposite its name in the Schedule to receive, for it and on its behalf, service of process in any Proceedings. If for any reason any party’s Process Agent is unable to act as such, such party will promptly notify the other party and within 30 days appoint a substitute process agent acceptable to the other party. The parties irrevocably consent to service of process given in the manner provided for notices in Section 12(a)(i), 12(a)(iii) or 12(a)(iv). Nothing in this Agreement will affect the right of either party to serve process in any other manner permitted by applicable law.

(d) **Waiver of Immunities.** Each party irrevocably waives, to the extent permitted by applicable law, with respect to itself and its revenues and assets (irrespective of their use or intended use), all immunity on the grounds of sovereignty or other similar grounds from (i) suit, (ii) jurisdiction of any court, (iii) relief by way of injunction or order for specific performance or recovery of property, (iv) attachment of its assets (whether before or after judgment) and (v) execution or enforcement of any judgment to which it or its revenues or assets might otherwise be entitled in any Proceedings in the courts of any jurisdiction and irrevocably agrees, to the extent permitted by applicable law, that it will not claim any such immunity in any Proceedings.

## Definitions

As used in this Agreement:—

**“Additional Representation”** has the meaning specified in Section 3.

**“Additional Termination Event”** has the meaning specified in Section 5(b).

**“Affected Party”** has the meaning specified in Section 5(b).

**“Affected Transactions”** means (a) with respect to any Termination Event consisting of an Illegality, Force Majeure Event, Tax Event or Tax Event Upon Merger, all Transactions affected by the occurrence of such Termination Event (which, in the case of an Illegality under Section 5(b)(i)(2) or a Force Majeure Event under Section 5(b)(ii)(2), means all Transactions unless the relevant Credit Support Document references only certain Transactions, in which case those Transactions and, if the relevant Credit Support Document constitutes a Confirmation for a Transaction, that Transaction) and (b) with respect to any other Termination Event, all Transactions.

**“Affiliate”** means, subject to the Schedule, in relation to any person, any entity controlled, directly or indirectly, by the person, any entity that controls, directly or indirectly, the person or any entity directly or indirectly under common control with the person. For this purpose, “control” of any entity or person means ownership of a majority of the voting power of the entity or person.

**“Agreement”** has the meaning specified in Section 1(c).

**“Applicable Close-out Rate”** means:—

(a) in respect of the determination of an Unpaid Amount:—

(i) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Defaulting Party, the Default Rate;

(ii) in respect of obligations payable or deliverable (or which would have been but for Section 2(a)(iii)) by a Non-defaulting Party, the Non-default Rate;

(iii) in respect of obligations deferred pursuant to Section 5(d), if there is no Defaulting Party and for so long as the deferral period continues, the Applicable Deferral Rate; and

(iv) in all other cases following the occurrence of a Termination Event (except where interest accrues pursuant to clause (iii) above), the Applicable Deferral Rate; and

(b) in respect of an Early Termination Amount:—

(i) for the period from (and including) the relevant Early Termination Date to (but excluding) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable:—

(1) if the Early Termination Amount is payable by a Defaulting Party, the Default Rate;

(2) if the Early Termination Amount is payable by a Non-defaulting Party, the Non-default Rate; and

(3) in all other cases, the Applicable Deferral Rate; and

for the period from (and including) the date (determined in accordance with Section 6(d)(ii)) on which that amount is payable to (but excluding) the date of actual payment:—

- (1) if a party fails to pay the Early Termination Amount due to the occurrence of an event or circumstance which would, if it occurred with respect to a payment or delivery under a Transaction, constitute or give rise to an Illegality or a Force Majeure Event, and for so long as the Early Termination Amount remains unpaid due to the continuing existence of such event or circumstance, the Applicable Deferral Rate;
- (2) if the Early Termination Amount is payable by a Defaulting Party (but excluding any period in respect of which clause (1) above applies), the Default Rate;
- (3) if the Early Termination Amount is payable by a Non-defaulting Party (but excluding any period in respect of which clause (1) above applies), the Non-default Rate; and
- (4) in all other cases, the Termination Rate.

**“Applicable Deferral Rate”** means:—

- (a) for the purpose of Section 9(h)(i)(3)(A), the rate certified by the relevant payer to be a rate offered to the payer by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market;
- (b) for purposes of Section 9(h)(i)(3)(B) and clause (a)(iii) of the definition of Applicable Close-out Rate, the rate certified by the relevant payer to be a rate offered to prime banks by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the payer after consultation with the other party, if practicable, for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market; and
- (c) for purposes of Section 9(h)(i)(3)(C) and clauses (a)(iv), (b)(i)(3) and (b)(ii)(1) of the definition of Applicable Close-out Rate, a rate equal to the arithmetic mean of the rate determined pursuant to clause (a) above and a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount.

**“Automatic Early Termination”** has the meaning specified in Section 6(a).

**“Burdened Party”** has the meaning specified in Section 5(b)(iv).

**“Change in Tax Law”** means the enactment, promulgation, execution or ratification of, or any change in or amendment to, any law (or in the application or official interpretation of any law) that occurs after the parties enter into the relevant Transaction.

**“Close-out Amount”** means, with respect to each Terminated Transaction or each group of Terminated Transactions and a Determining Party, the amount of the losses or costs of the Determining Party that are or would be incurred under then prevailing circumstances (expressed as a positive number) or gains of the Determining Party that are or would be realised under then prevailing circumstances (expressed as a negative number) in replacing, or in providing for the Determining Party the economic equivalent of, (a) the material terms of that Terminated Transaction or group of Terminated Transactions, including the payments and deliveries by the parties under Section 2(a)(i) in respect of that Terminated Transaction or group of Terminated Transactions that would, but for the occurrence of the relevant Early Termination Date, have been required after that date (assuming satisfaction of the conditions precedent in

Section 2(a)(iii)) and (b) the option rights of the parties in respect of that Terminated Transaction or group of Terminated Transactions.

Any Close-out Amount will be determined by the Determining Party (or its agent), which will act in good faith and use commercially reasonable procedures in order to produce a commercially reasonable result. The Determining Party may determine a Close-out Amount for any group of Terminated Transactions or any individual Terminated Transaction but, in the aggregate, for not less than all Terminated Transactions. Each Close-out Amount will be determined as of the Early Termination Date or, if that would not be commercially reasonable, as of the date or dates following the Early Termination Date as would be commercially reasonable.

Unpaid Amounts in respect of a Terminated Transaction or group of Terminated Transactions and legal fees and out-of-pocket expenses referred to in Section 11 are to be excluded in all determinations of Close-out Amounts.

In determining a Close-out Amount, the Determining Party may consider any relevant information, including, without limitation, one or more of the following types of information: —

- (i) quotations (either firm or indicative) for replacement transactions supplied by one or more third parties that may take into account the creditworthiness of the Determining Party at the time the quotation is provided and the terms of any relevant documentation, including credit support documentation, between the Determining Party and the third party providing the quotation;
- (ii) information consisting of relevant market data in the relevant market supplied by one or more third parties including, without limitation, relevant rates, prices, yields, yield curves, volatilities, spreads, correlations or other relevant market data in the relevant market; or
- (iii) information of the types described in clause (i) or (ii) above from internal sources (including any of the Determining Party's Affiliates) if that information is of the same type used by the Determining Party in the regular course of its business for the valuation of similar transactions.

The Determining Party will consider, taking into account the standards and procedures described in this definition, quotations pursuant to clause (i) above or relevant market data pursuant to clause (ii) above unless the Determining Party reasonably believes in good faith that such quotations or relevant market data are not readily available or would produce a result that would not satisfy those standards. When considering information described in clause (i), (ii) or (iii) above, the Determining Party may include costs of funding, to the extent costs of funding are not and would not be a component of the other information being utilised. Third parties supplying quotations pursuant to clause (i) above or market data pursuant to clause (ii) above may include, without limitation, dealers in the relevant markets, end-users of the relevant product, information vendors, brokers and other sources of market information.

Without duplication of amounts calculated based on information described in clause (i), (ii) or (iii) above, or other relevant information, and when it is commercially reasonable to do so, the Determining Party may in addition consider in calculating a Close-out Amount any loss or cost incurred in connection with its terminating, liquidating or re-establishing any hedge related to a Terminated Transaction or group of Terminated Transactions (or any gain resulting from any of them).

Commercially reasonable procedures used in determining a Close-out Amount may include the following:—

- (1) application to relevant market data from third parties pursuant to clause (ii) above or information from internal sources pursuant to clause (iii) above of pricing or other valuation models that are, at the time of the determination of the Close-out Amount, used by the Determining Party in the regular course of its business in pricing or valuing transactions between the Determining Party and unrelated third parties that are similar to the Terminated Transaction or group of Terminated Transactions; and

application of different valuation methods to Terminated Transactions or groups of Terminated Transactions depending on the type, complexity, size or number of the Terminated Transactions or group of Terminated Transactions.

**“Confirmation”** has the meaning specified in the preamble.

**“consent”** includes a consent, approval, action, authorisation, exemption, notice, filing, registration or exchange control consent.

**“Contractual Currency”** has the meaning specified in Section 8(a).

**“Convention Court”** means any court which is bound to apply to the Proceedings either Article 17 of the 1968 Brussels Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters or Article 17 of the 1988 Lugano Convention on Jurisdiction and the Enforcement of Judgments in Civil and Commercial Matters.

**“Credit Event Upon Merger”** has the meaning specified in Section 5(b).

**“Credit Support Document”** means any agreement or instrument that is specified as such in this Agreement.

**“Credit Support Provider”** has the meaning specified in the Schedule.

**“Cross-Default”** means the event specified in Section 5(a)(vi).

**“Default Rate”** means a rate per annum equal to the cost (without proof or evidence of any actual cost) to the relevant payee (as certified by it) if it were to fund or of funding the relevant amount plus 1% per annum.

**“Defaulting Party”** has the meaning specified in Section 6(a).

**“Designated Event”** has the meaning specified in Section 5(b)(v).

**“Determining Party”** means the party determining a Close-out Amount.

**“Early Termination Amount”** has the meaning specified in Section 6(e).

**“Early Termination Date”** means the date determined in accordance with Section 6(a) or 6(b)(iv).

**“electronic messages”** does not include e-mails but does include documents expressed in markup languages, and **“electronic messaging system”** will be construed accordingly.

**“English law”** means the law of England and Wales, and **“English”** will be construed accordingly.

**“Event of Default”** has the meaning specified in Section 5(a) and, if applicable, in the Schedule.

**“Force Majeure Event”** has the meaning specified in Section 5(b).

**“General Business Day”** means a day on which commercial banks are open for general business (including dealings in foreign exchange and foreign currency deposits).

**“Illegality”** has the meaning specified in Section 5(b).

**“Indemnifiable Tax”** means any Tax other than a Tax that would not be imposed in respect of a payment under this Agreement but for a present or former connection between the jurisdiction of the government or taxation authority imposing such Tax and the recipient of such payment or a person related to such recipient (including, without limitation, a connection arising from such recipient or related person being or having been a citizen or resident of such jurisdiction, or being or having been organised, present or engaged in a trade or business in such jurisdiction, or having or having had a permanent establishment or fixed place of business in such jurisdiction, but excluding a connection arising solely from such recipient or related person having executed, delivered, performed its obligations or received a payment under, or enforced, this Agreement or a Credit Support Document).

**“law”** includes any treaty, law, rule or regulation (as modified, in the case of tax matters, by the practice of any relevant governmental revenue authority), and **“unlawful”** will be construed accordingly.

**“Local Business Day”** means (a) in relation to any obligation under Section 2(a)(i), a General Business Day in the place or places specified in the relevant Confirmation and a day on which a relevant settlement system is open or operating as specified in the relevant Confirmation or, if a place or a settlement system is not so specified, as otherwise agreed by the parties in writing or determined pursuant to provisions contained, or incorporated by reference, in this Agreement, (b) for the purpose of determining when a Waiting Period expires, a General Business Day in the place where the event or circumstance that constitutes or gives rise to the Illegality or Force Majeure Event, as the case may be, occurs, (c) in relation to any other payment, a General Business Day in the place where the relevant account is located and, if different, in the principal financial centre, if any, of the currency of such payment and, if that currency does not have a single recognised principal financial centre, a day on which the settlement system necessary to accomplish such payment is open, (d) in relation to any notice or other communication, including notice contemplated under Section 5(a)(i), a General Business Day (or a day that would have been a General Business Day but for the occurrence of an event or circumstance which would, if it occurred with respect to payment, delivery or compliance related to a Transaction, constitute or give rise to an Illegality or a Force Majeure Event) in the place specified in the address for notice provided by the recipient and, in the case of a notice contemplated by Section 2(b), in the place where the relevant new account is to be located and (e) in relation to Section 5(a)(v)(2), a General Business Day in the relevant locations for performance with respect to such Specified Transaction.

**“Local Delivery Day”** means, for purposes of Sections 5(a)(i) and 5(d), a day on which settlement systems necessary to accomplish the relevant delivery are generally open for business so that the delivery is capable of being accomplished in accordance with customary market practice, in the place specified in the relevant Confirmation or, if not so specified, in a location as determined in accordance with customary market practice for the relevant delivery.

**“Master Agreement”** has the meaning specified in the preamble.

**“Merger Without Assumption”** means the event specified in Section 5(a)(viii).

**“Multiple Transaction Payment Netting”** has the meaning specified in Section 2(c).

**“Non-affected Party”** means, so long as there is only one Affected Party, the other party.

**“Non-default Rate”** means the rate certified by the Non-defaulting Party to be a rate offered to the Non-defaulting Party by a major bank in a relevant interbank market for overnight deposits in the applicable currency, such bank to be selected in good faith by the Non-defaulting Party for the purpose of obtaining a representative rate that will reasonably reflect conditions prevailing at the time in that relevant market.

**“Non-defaulting Party”** has the meaning specified in Section 6(a).

**“Office”** means a branch or office of a party, which may be such party’s head or home office.

**“Other Amounts”** has the meaning specified in Section 6(f).



**“Payee”** has the meaning specified in Section 6(f).

**“Payer”** has the meaning specified in Section 6(f).

**“Potential Event of Default”** means any event which, with the giving of notice or the lapse of time or both, would constitute an Event of Default.

**“Proceedings”** has the meaning specified in Section 13(b).

**“Process Agent”** has the meaning specified in the Schedule.

**“rate of exchange”** includes, without limitation, any premiums and costs of exchange payable in connection with the purchase of or conversion into the Contractual Currency.

**“Relevant Jurisdiction”** means, with respect to a party, the jurisdictions (a) in which the party is incorporated, organised, managed and controlled or considered to have its seat, (b) where an Office through which the party is acting for purposes of this Agreement is located, (c) in which the party executes this Agreement and (d) in relation to any payment, from or through which such payment is made.

**“Schedule”** has the meaning specified in the preamble.

**“Scheduled Settlement Date”** means a date on which a payment or delivery is to be made under Section 2(a)(i) with respect to a Transaction.

**“Specified Entity”** has the meaning specified in the Schedule.

**“Specified Indebtedness”** means, subject to the Schedule, any obligation (whether present or future, contingent or otherwise, as principal or surety or otherwise) in respect of borrowed money.

**“Specified Transaction”** means, subject to the Schedule, (a) any transaction (including an agreement with respect to any such transaction) now existing or hereafter entered into between one party to this Agreement (or any Credit Support Provider of such party or any applicable Specified Entity of such party) and the other party to this Agreement (or any Credit Support Provider of such other party or any applicable Specified Entity of such other party) which is not a Transaction under this Agreement but (i) which is a rate swap transaction, swap option, basis swap, forward rate transaction, commodity swap, commodity option, equity or equity index swap, equity or equity index option, bond option, interest rate option, foreign exchange transaction, cap transaction, floor transaction, collar transaction, currency swap transaction, cross-currency rate swap transaction, currency option, credit protection transaction, credit swap, credit default swap, credit default option, total return swap, credit spread transaction, repurchase transaction, reverse repurchase transaction, buy/sell-back transaction, securities lending transaction, weather index transaction or forward purchase or sale of a security, commodity or other financial instrument or interest (including any option with respect to any of these transactions) or (ii) which is a type of transaction that is similar to any transaction referred to in clause (i) above that is currently, or in the future becomes, recurrently entered into in the financial markets (including terms and conditions incorporated by reference in such agreement) and which is a forward, swap, future, option or other derivative on one or more rates, currencies, commodities, equity securities or other equity instruments, debt securities or other debt instruments, economic indices or measures of economic risk or value, or other benchmarks against which payments or deliveries are to be made, (b) any combination of these transactions and (c) any other transaction identified as a Specified Transaction in this Agreement or the relevant confirmation.

**“Stamp Tax”** means any stamp, registration, documentation or similar tax.

**“Stamp Tax Jurisdiction”** has the meaning specified in Section 4(e).

**“Tax”** means any present or future tax, levy, impost, duty, charge, assessment or fee of any nature (including interest, penalties and additions thereto) that is imposed by any government or other taxing authority in respect of any payment under this Agreement other than a stamp, registration, documentation or similar tax.

**“Tax Event”** has the meaning specified in Section 5(b).

**“Tax Event Upon Merger”** has the meaning specified in Section 5(b).

**“Terminated Transactions”** means, with respect to any Early Termination Date, (a) if resulting from an Illegality or a Force Majeure Event, all Affected Transactions specified in the notice given pursuant to Section 6(b)(iv), (b) if resulting from any other Termination Event, all Affected Transactions and (c) if resulting from an Event of Default, all Transactions in effect either immediately before the effectiveness of the notice designating that Early Termination Date or, if Automatic Early Termination applies, immediately before that Early Termination Date.

**“Termination Currency”** means (a) if a Termination Currency is specified in the Schedule and that currency is freely available, that currency, and (b) otherwise, euro if this Agreement is expressed to be governed by English law or United States Dollars if this Agreement is expressed to be governed by the laws of the State of New York.

**“Termination Currency Equivalent”** means, in respect of any amount denominated in the Termination Currency, such Termination Currency amount and, in respect of any amount denominated in a currency other than the Termination Currency (the “Other Currency”), the amount in the Termination Currency determined by the party making the relevant determination as being required to purchase such amount of such Other Currency as at the relevant Early Termination Date, or, if the relevant Close-out Amount is determined as of a later date, that later date, with the Termination Currency at the rate equal to the spot exchange rate of the foreign exchange agent (selected as provided below) for the purchase of such Other Currency with the Termination Currency at or about 11:00 a.m. (in the city in which such foreign exchange agent is located) on such date as would be customary for the determination of such a rate for the purchase of such Other Currency for value on the relevant Early Termination Date or that later date. The foreign exchange agent will, if only one party is obliged to make a determination under Section 6(e), be selected in good faith by that party and otherwise will be agreed by the parties.

**“Termination Event”** means an Illegality, a Force Majeure Event, a Tax Event, a Tax Event Upon Merger or, if specified to be applicable, a Credit Event Upon Merger or an Additional Termination Event.

**“Termination Rate”** means a rate per annum equal to the arithmetic mean of the cost (without proof or evidence of any actual cost) to each party (as certified by such party) if it were to fund or of funding such amounts.

**“Threshold Amount”** means the amount, if any, specified as such in the Schedule.

**“Transaction”** has the meaning specified in the preamble.

**“Unpaid Amounts”** owing to any party means, with respect to an Early Termination Date, the aggregate of (a) in respect of all Terminated Transactions, the amounts that became payable (or that would have become payable but for Section 2(a)(iii) or due but for Section 5(d)) to such party under Section 2(a)(i) or 2(d)(i)(4) on or prior to such Early Termination Date and which remain unpaid as at such Early Termination Date, (b) in respect of each Terminated Transaction, for each obligation under Section 2(a)(i) which was (or would have been but for Section 2(a)(iii) or 5(d)) required to be settled by delivery to such party on or prior to such Early Termination Date and which has not been so settled as at such Early Termination Date, an amount equal to the fair market value of that which was (or would have been) required to be delivered and (c) if the Early Termination Date results from an Event of Default, a Credit Event Upon Merger or an Additional Termination Event in respect of which all outstanding Transactions are Affected Transactions, any Early Termination Amount due prior to such Early Termination Date and which remains unpaid as of such Early Termination Date, in each case together with any amount of interest accrued or other

compensation in respect of that obligation or deferred obligation, as the case may be, pursuant to Section 9(h)(ii)(1) or (2), as appropriate. The fair market value of any obligation referred to in clause (b) above will be determined as of the originally scheduled date for delivery, in good faith and using commercially reasonable procedures, by the party obliged to make the determination under Section 6(e) or, if each party is so obliged, it will be the average of the Termination Currency Equivalents of the fair market values so determined by both parties.

**“Waiting Period”** means:—

(a) in respect of an event or circumstance under Section 5(b)(i), other than in the case of Section 5(b)(i)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of three Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance; and

(b) in respect of an event or circumstance under Section 5(b)(ii), other than in the case of Section 5(b)(ii)(2) where the relevant payment, delivery or compliance is actually required on the relevant day (in which case no Waiting Period will apply), a period of eight Local Business Days (or days that would have been Local Business Days but for the occurrence of that event or circumstance) following the occurrence of that event or circumstance.

IN WITNESS WHEREOF the parties have executed this document on the respective dates specified below with effect from the date specified on the first page of this document.

**CITIBANK, N.A.**

**ADVANCED ENERGY INDUSTRIES, INC.**

/s/ Candice E. Somerville

/s/ Paul Oldham

Name: Candice E. Somerville  
Title: Vice President  
Date: 4/7/2020

Name: Paul Oldham  
Title: EVP & Chief Financial Officer  
Date: April 7, 2020



International Swaps and Derivatives Association, Inc.

**SCHEDULE**  
**to the**  
**2002 Master Agreement**

dated as of April 2, 2020

between

**HSBC BANK USA, NATIONAL ASSOCIATION,**  
a national banking association organized and existing  
under the laws of the United States of America  
(**"Party A"**),

and

**ADVANCED ENERGY INDUSTRIES, INC.,**  
a corporation  
organized and existing under the laws of the State of Delaware  
(**"Party B"**)

**Part 1**  
**Termination Provisions**

- (a) **"Specified Entity"** means in relation to Party A for the purposes of Sections 5(a)(v), 5(a)(vi), 5(a)(vii) and 5(b)(v):
- None.
- "Specified Entity"** means in relation to Party B for the purposes of Sections 5(a)(v), 5(a)(vi), 5(a)(vii) and 5(b)(v):
- None.
- (b) **"Specified Transaction"** will have the meaning specified in Section 14. The **"Default under Specified Transaction"** provisions of Section 5(a)(v) of this Agreement will not apply with respect to Party A or Party B or any Credit Support Provider of Party B.
- (c) The **"Cross-Default"** provisions of Section 5(a)(vi) will apply to Party A and will apply to Party B; *provided*, that (i) the phrase " , or becoming capable at such time of being declared," is deleted from Section 5(a)(vi)(1); (ii) the phrase "which has resulted in such Specified Indebtedness becoming due and payable under such agreements or instruments before it would otherwise have been due and payable" is inserted in Section 5(a)(vi)(2) immediately before the semi-colon; and (iii) an Event of Default shall not occur with respect to a party under Section 5(a)(vi) when the failure to pay or

deliver, or the default, event of default or other similar condition or event, as the case may be, arises solely (A) out of a wire transfer problem or an operational or administrative error or omission (so long as the required funds or property required to make that payment or delivery were otherwise available to that party), or (B) from the general unavailability of the relevant currency due to exchange controls or other similar governmental action, but in either case only if the payment or delivery is made within three Local Business Days after the problem has been corrected, the error or omission has been discovered or the currency becomes generally available.

In connection therewith, “**Specified Indebtedness**” will have the meaning specified in Section 14, except that such term shall not include (i) obligations in respect of deposits received in the ordinary course of a party’s banking business and (ii) Non-recourse Indebtedness. For purposes of this definition, indebtedness is “**Non-recourse Indebtedness**” to the extent that it is non-recourse to the party incurring such indebtedness except recourse to assets acquired with such indebtedness or dividends received by such party on account of such acquired assets.

“**Threshold Amount**” means with respect to (i) Party A, an amount equal to three percent (3%) of Party A’s shareholders’ equity as published in its most recent audited consolidated annual financial statements, or its equivalent in any other currency; and (ii) Party B, USD 50,000,000, or such larger amount used in Section 8.01(e) of the Credit Agreement with respect to a cross-default “Event of Default” (as such term is used in the Credit Agreement) or a similar provision in the Credit Agreement as modified after the date of this Agreement.

With respect to Party B, any “Event of Default” under and as defined in the Credit Agreement which has resulted in Party B’s obligations under the Credit Agreement becoming due and payable before they would otherwise have been payable shall be an Event of Default under this Agreement.

“**Credit Agreement**” means that certain Credit Agreement dated as of September 10, 2019 among Advanced Energy Industries, Inc., as Borrower, certain Subsidiaries of the Borrower party thereto, as the Guarantors, Bank of America, N.A., as the Administrative Agent, Bank of America, N.A., Bank of the West and HSBC Bank USA, N.A., as the Joint Lead Arrangers and Joint Book Runners, Citibank, N.A., as the Co-Manager, and the Lenders from time to time party thereto, and as the same may be amended, supplemented, restated, renewed, extended, replaced or otherwise modified from time to time. Capitalized terms used herein and not otherwise defined herein shall have the meaning ascribed to such terms in the Credit Agreement.

- (d) The “**Credit Event Upon Merger**” provisions of Section 5(b)(v) will apply to Party A and will apply to Party B, as amended by deleting subparagraphs (2) and (3), and inserting the word “or” immediately after the semi-colon at the end of subparagraph (1); *provided* that any event permitted under the terms of the Credit Agreement which would otherwise constitute a Credit Event Upon Merger under this Agreement with respect to Party B or any Credit Support Provider of Party B, shall not constitute a Credit Event Upon Merger under this Agreement.
- (e) The “**Automatic Early Termination**” provision of Section 6(a) will not apply to Party A and will not apply to Party B.
- (f) “**Termination Currency**” means United States Dollars.
- (g) “**Additional Termination Event**” will apply. It shall be an Additional Termination Event, with respect to which Party B shall be the sole Affected Party, if, after the date of this Agreement, the Credit Agreement is amended, supplemented, restated, renewed, extended, replaced or otherwise modified to grant a security interest to the Lenders under the Credit Agreement (whether in the Credit Agreement or in a related security agreement securing Loans under the Credit Agreement)

that secures the obligations and liabilities of Party B under the Loans, but fails to also secure the obligations and liabilities of Party B under this Agreement on a *pari passu* basis equal in right and priority of payment with the outstanding principal obligations of Party B under the Loans (and for the avoidance of doubt, if there are multiple tranches of Loans, the most senior tranche). Notwithstanding anything to the contrary in the Credit Agreement or in this Agreement, this Part 1(g) Additional Termination Event shall only be applied when the Lenders become secured under the Credit Agreement following the date of this Agreement.

- (h) **Failure to Pay.** Section 5(a)(i) is hereby amended by replacing the word “first” with the word “third” each time it appears.
- (i) **Optional Termination.** On any Business Day (the “Optional Termination Date”), Party B may terminate and cash settle any Transaction hereunder in whole or in part; *provided that*, Party B will provide at least three days’ prior written notice to Party A designating the Optional Termination Date. The amount due with respect to any such termination shall be determined pursuant to Section 6 of this Agreement as if (i) the Optional Termination Date is the Early Termination Date; (ii) Party B is the sole Affected Party (for all purposes other than the election to terminate), and (iii) such Transaction is the sole Affected Transaction. If a Transaction is to be terminated in part, the notice thereof provided by Party B shall specify the portion of the Notional Amount of such Transaction to be terminated, and the parties shall execute an amendment to the Confirmation for such Transaction to reflect the revised Notional Amount and the corresponding pro rata reductions on each amortization schedule reduction date for the revised Notional Amount.

## **Part 2**

### **Tax Representations**

- (a) **Payer Tax Representations.** For the purpose of Section 3(e) of this Agreement, Party A and Party B will make the following representation:

It is not required by any applicable law, as modified by the practice of any relevant governmental revenue authority, of any Relevant Jurisdiction to make any deduction or withholding for or on account of any Tax from any payment (other than interest under Section 9(h) of this Agreement) to be made by it to the other party under this Agreement. In making this representation, it may rely on (i) the accuracy of any representations made by the other party pursuant to Section 3(f) or 3(g) of this Agreement, (ii) the satisfaction of the agreement contained in Section 4(a)(i) or 4(a)(iii) of this Agreement and the accuracy and effectiveness of any document provided by the other party pursuant to Section 4(a)(i) or 4(a)(iii) of this Agreement and (iii) the satisfaction of the agreement of the other party contained in Section 4(d) of this Agreement, except that it will not be a breach of this representation where reliance is placed on clause (ii) above and the other party does not deliver a form or document under Section 4(a)(iii) by reason of material prejudice to its legal or commercial position.

- (b) **Payee Tax Representations.** For the purpose of Section 3(f) of this Agreement, Party A and Party B make the representations specified below, if any:

- (i) The following representations will apply to Party A:

- (1) Party A is a national banking association organized or formed under the laws of the United States and is a United States person for United States federal income tax purposes.

- (2) Party A makes no other Payee Tax Representations.
- (ii) The following representations will apply to Party B:
  - (1) Party B is organized or formed under the laws of a state within the United States, and it is a United States person for United States federal income tax purposes.
  - (2) Party B makes no other Payee Tax Representations.

**Part 3**  
**Agreement to Deliver Documents**

For the purpose of Section 4(a)(i) and (ii) of this Agreement, each party agrees to deliver the following documents:

- (a) Tax forms, documents or certificates to be delivered are:

<b>Party required to deliver document</b>	<b>Document</b>	<b>Date by which to be delivered</b>
Party A	A valid U.S. Internal Revenue Service Form W-9 or any successor thereto.	(i) Upon execution and delivery of this Agreement, and (ii) promptly upon reasonable demand by Party B.
Party B	A valid U.S. Internal Revenue Service Form W-9 or any successor thereto.	(i) Upon execution and delivery of this Agreement, and (ii) promptly upon reasonable demand by Party A.

- (b) Other documents to be delivered are:

<b>Party required to deliver document</b>	<b>Form/Document/Certificate</b>	<b>Date by which to be delivered</b>	<b>Covered by Section 3(d) Representation</b>
Party A	Certified copies of all corporate authorizations and any other documents with respect to the execution, delivery and performance of this Agreement.	Upon execution and delivery of this Agreement.	Yes

<b>Party required to deliver document</b>	<b>Form/Document/Certificate</b>	<b>Date by which to be delivered</b>	<b>Covered by Section 3(d) Representation</b>
Party A	Certificate of authority and specimen signatures of individuals executing this Agreement.	Upon execution and delivery of this Agreement and thereafter upon request of the other party.	Yes
Party B	Certified copies of all organizational authorizations and any other documents with respect to the execution, delivery and performance of this Agreement.	Upon execution and delivery of this Agreement.	Yes
Party B	Certificate of authority and specimen signatures of individuals executing this Agreement.	Upon execution and delivery of this Agreement and thereafter upon request of the other party.	Yes
Party A	Annual Report of Party A containing audited, consolidated financial statements certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which such party is organized.	Upon request, as soon as publicly available and in any event within 90 days after the end of each fiscal year of Party A; <i>provided, however,</i> that such financials are “deemed” to be delivered hereunder on the date the same shall be posted on Party A’s website or the website of the Securities and Exchange Commission.	Yes



Party required to deliver document	Form/Document/Certificate	Date by which to be delivered	Covered by Section 3(d) Representation
Party A	Consolidated Reports of Condition and Income for A Bank With Domestic and Foreign Offices – FFIEC 031 ( <i>“Call Report”</i> ) of Party A containing unaudited, consolidated financial statements of such party’s fiscal quarter prepared in accordance with generally accepted accounting principles in the country in which such party is organized.	Upon request, as soon as publicly available and in any event within 45 days after the end of each fiscal quarter of Party A; <i>provided, however,</i> that such financials are “deemed” to be delivered hereunder on the date the same shall be posted on Party A’s website or the Federal Financial Institutions Examination Council (“FFIEC”) website at <a href="https://cdr.ffiec.gov/public/">https://cdr.ffiec.gov/public/</a> .	Yes
Party B	Annual audited consolidated financial statements of Party B certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which Party B is organized (except as described therein).	As soon as available and in any event within 120 days after the end of each fiscal year of Party B; <i>provided, however,</i> that (i) such financials are “deemed” to be delivered hereunder on the date the same shall be posted on the Advanced Energy Industries, Inc. website or the website of the Securities and Exchange Commission, and (ii) for so long as Party A or any Affiliate or Approved Fund of Party A is a party to the Credit Agreement, delivery of such financial statements to Party A or such Affiliate or Approved Fund under the Credit Agreement shall be deemed delivery hereunder.	Yes

<b>Party required to deliver document</b>	<b>Form/Document/Certificate</b>	<b>Date by which to be delivered</b>	<b>Covered by Section 3(d) Representation</b>
Party B	Quarterly Financial Statements of Party B containing unaudited consolidated financial statements of Party B's fiscal quarter prepared in accordance with generally accepted accounting principles in the country in which Party B is organized (except as approved by Party B's chief financial or accounting officer and disclosed in reasonable detail therein, and subject to the absence of footnotes).	As soon as available and in any event within 60 days after the end of Party B's first three fiscal quarters; <i>provided, however</i> , that (i) such financials are "deemed" to be delivered hereunder on the date the same shall be posted on the Advanced Energy Industries, Inc. website or the website of the Securities and Exchange Commission, and (ii) for so long as Party A or any Affiliate or Approved Fund of Party A is a party to the Credit Agreement, delivery of such financial statements to Party A or such Affiliate or Approved Fund under the Credit Agreement shall be deemed delivery hereunder.	Yes

#### **Part 4** **Miscellaneous**

(a) ***Address for Notices.*** For the purpose of Section 12(a) of this Agreement:

(i) **Address for notices or communications to Party A.** For purposes of Section 12(a) of this Agreement, all notices or communications to Party A shall, with respect to any particular Transaction, be sent or delivered to the address or e-mail specified by Party A in the relevant Confirmation (or if not so specified, as specified by Party A in writing for that Transaction or type of Transaction, or if not so specified, then to its address or e-mail specified below), and otherwise with respect to this Agreement, as specified below, provided that any notice under Section 5 or 6 of this Agreement shall be sent or delivered to Party A at the address specified below as required by Section 12(a).

HSBC Bank USA, National Association  
452 Fifth Avenue, New York, NY 10018  
Attention: Legal Department  
E-mail: HBUS.ISDA.NOTICES@us.hsbc.com

(ii) **Address for notices or communications to Party B.** For purposes of Section 12(a) of this Agreement, all notices or communications to Party B shall, with respect to any particular Transaction, be sent or delivered to the address or e-mail specified by Party B in the relevant Confirmation (or if not so specified, as specified by Party B in writing for that Transaction or type of Transaction, or if not so specified, then to its address or e-mail specified below), and otherwise with respect to this Agreement, as specified below, provided that any notice under Section 5 or 6 of this Agreement shall be sent or delivered to Party B at its address specified below as required by Section 12(a).

Advanced Energy Industries, Inc.  
1595 Wynkoop Street, 8<sup>th</sup> Floor  
Denver, Colorado 80202  
Attention: Chris Hanson, Treasurer  
Telephone: 408-574-2545  
E-mail: chris.hanson@aei.com

with a copy to:

Thomas O. McGimpsey, General Counsel  
Advanced Energy Industries, Inc.  
1595 Wynkoop Street, 8<sup>th</sup> Floor  
Denver, Colorado 80202  
Telephone: 970-407-6326  
E-mail: tom.mcgimpsey@aei.com

with a copy (which shall not constitute notice) to:

Foley & Lardner LLP  
777 East Wisconsin Avenue  
Milwaukee, WI 53202  
Attention: Heidi Furlong  
Telephone: 414-297-5620  
Telecopier: 414.297.4900  
E-mail: hfurlong@foley.com

(b) **Process Agent.** For the purpose of Section 13(c):

Party A appoints as its Process Agent: Not Applicable.

Party B appoints as its Process Agent: Not Applicable.

(c) **Offices.** The provisions of Section 10(a) will apply to this Agreement.

- (d) **Multibranch Party.** For the purpose of Section 10(b) of this Agreement:
- Party A is not a Multibranch Party.
- Party B is not a Multibranch Party.
- (e) **Calculation Agent.** Calculation Agent is Party A, provided that if an Event of Default occurs and is continuing with respect to Party A, the Calculation Agent shall be a Reference Market-maker that is selected by Party B independent of either party (and its affiliates) and approved by Party A, which approval shall not be unreasonably withheld, and the costs of employing such Reference Market-maker hereunder shall be borne equally by Party A and Party B. As used herein, **“Reference Market-maker”** means a leading dealer in the relevant market selected by a party in good faith from dealers of the highest credit standing which satisfy all the criteria that such party applies generally at the time in deciding whether to offer or to make an extension of credit. Following any such designation of an alternate Calculation Agent, if no Event of Default in respect of Party A is then continuing, the Calculation Agent shall again be Party A.
- (f) **Credit Support Document.** Details of any Credit Support Document:
- In relation to Party A: Not Applicable.
- In relation to Party B: Not Applicable.
- (g) **Credit Support Provider.**
- Credit Support Provider means in relation to Party A: Not Applicable.
- Credit Support Provider means in relation to Party B: Not Applicable.
- (h) **Governing Law.** This Agreement and any and all controversies arising out of or in relation to this Agreement shall be governed by and construed in accordance with the laws of the State of New York (without reference to its conflict of laws doctrine).
- (i) **Netting of Payments.** Unless the parties otherwise so agree, “Multiple Transaction Payment Netting” will not apply for the purpose of Section 2(c) of this Agreement, except with respect to any Transactions for which the parties mutually agree shall be netted operationally, starting as of the date mutually agreed.
- (j) **“Affiliate”** will have the meaning specified in Section 14 of this Agreement.
- (k) **Absence of Litigation.** For the purpose of Section 3(c):
- “Specified Entity”** means in relation to Party A, none;
- “Specified Entity”** means in relation to Party B, none.
- (l) **No Agency.** The provisions of Section 3(g) will apply to this Agreement.
- (m) **Additional Representation** will apply. For the purpose of Section 3 of this Agreement, each of the following will constitute an Additional Representation, which will be made by the party indicated below at the times specified below:

- (i) **Mutual Representations.** Each party makes the following representations to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into):
- (A) **Relationship Between Parties.** Each party will be deemed to represent to the other party on the date on which it enters into a Transaction that (absent a written agreement between the parties that expressly imposes affirmative obligations to the contrary for that Transaction):
- (1) **Non-Reliance.** It is acting for its own account, and it has made its own independent decisions to enter into that Transaction and as to whether that Transaction is appropriate or proper for it based upon its own judgment and upon advice from such advisors as it has deemed necessary. It is not relying on any communication (written or oral) of the other party as investment advice or as a recommendation to enter into that Transaction, it being understood that information and explanations related to the terms and conditions of a Transaction shall not be considered investment advice or a recommendation to enter into that Transaction. No communication (written or oral) received from the other party will be deemed to be an assurance or guarantee as to the expected results of that Transaction.
- (2) **Assessment and Understanding.** It is capable of assessing the merits of and understanding (on its own behalf or through independent professional advice), and understands and accepts, the terms, conditions and risks of that Transaction. It is also capable of assuming, and assumes, the risks of that Transaction.
- (3) **Status of Parties.** The other party is not acting as a fiduciary for or an advisor to it in respect of that Transaction.
- (B) **Eligible Contract Participant.** Each party will be deemed to represent to the other party on each date on which a Transaction is entered into that it is an “eligible contract participant” as such term is defined in the Commodity Exchange Act, as amended (the “**Commodity Exchange Act**” or “**CEA**”).
- (C) **ERISA.** Each party represents to the other party at all times hereunder that it is not (i) an employee benefit plan as defined in Section 3(3) of the Employee Retirement Income Security Act of 1974, as amended (“ERISA”), or a plan as defined in Section 4975(e)(1) of the Internal Revenue Code of 1986, as amended (the “Code”), subject to Title I of ERISA or Section 4975 of the Code, or a plan as so defined but which is not subject to Title I of ERISA or Section 4975 of the Code but is subject to another law materially similar to Title I of ERISA or Section 4975 of the Code (each of which, an “ERISA Plan”), (ii) a person or entity acting on behalf of an ERISA Plan, or (iii) a person or entity the assets of which constitute assets of an ERISA Plan
- (ii) **FDIC Requirements; Qualified Financial Contracts.** In the case of Party A: (A) it intends and acknowledges that this Agreement, including all Transactions hereunder, shall constitute a “qualified financial contract” and a “swap agreement,” as those terms are defined in 12 U.S.C. §1821(e)(8)(D) as in effect on the date of this Agreement (or any successor provision of similar import), (B) without limiting the generality of Section 3(a)(i), it is authorized under applicable non-insolvency law to enter into and perform its

obligations under this Agreement, each Credit Support Document (if any) to which it is party and each Transaction hereunder, (C) it will, at all times during the term of this Agreement, maintain as part of its official books and records a copy of this Agreement (including all Confirmations from time to time and all other supplements hereto and documents incorporated by reference herein), and evidence of its authorization of the foregoing, and (D) this Agreement has been executed and delivered by an officer of the level of Vice President or higher.

- (n) **Exclusion.** Notwithstanding anything to the contrary in any guarantee, credit agreement, loan agreement, security agreement or otherwise, the parties hereby expressly waive the guaranty or other credit support (each a “**Guarantee**”) by any person or entity that purports to guarantee or otherwise support any obligations with respect to any Transaction under this Agreement (each such person a “**Guarantor**”) if, and to the extent, the guaranty or other credit support by such Guarantor with respect to such Transaction is or becomes illegal under the Commodity Exchange Act or any rule, regulation or order of the Commodity Futures Trading Commission (or the application or official interpretation of any thereof) by virtue of such Guarantor’s failure for any reason to constitute an “eligible contract participant” as defined in the Commodity Exchange Act (determined after giving effect to any and all guarantees, letters of credit, keepwell or other support agreements of such Guarantor’s guaranty or other credit support obligations with respect to such Transaction by any person or entity that is capable of bestowing “eligible contract participant” status on the Guarantor within the meaning of Section 1a(18)(v)(II) of the Commodity Exchange Act) at the time the guaranty or other credit support of such Guarantor becomes effective with respect to such Transaction.
- (o) **Recording of Conversations.** Each party to this Agreement (i) acknowledges and agrees to the recording of conversations between trading and marketing and other personnel of the parties or any of their Affiliates in connection with this Agreement, any Transaction or potential Transaction, whether by one or the other or both of the parties or their agents; and (ii) agrees, to the extent permitted by applicable law, that such recordings may be submitted in evidence in any Proceedings.
- (p) **Party A Consent to Disclosure.** Party B is a reporting company under the Securities Exchange Act of 1934, as amended (the “34 Act”), and may be required to disclose this Agreement, including without limitation this Master Agreement and the Confirmations governed by this Master Agreement, the Transactions under this Agreement, and other ancillary agreements on SEC Form 8-K (the “**Form 8-K Documents and Information**”). Party A hereby consents to the disclosure of the Form 8-K Documents and Information and other related material information.

## **Part 5**

### **Other Provisions**

- (a) **2006 ISDA Definitions.** This Agreement and each Transaction are subject to the 2006 ISDA Definitions published by the International Swaps and Derivatives Association, Inc. (the “2006 ISDA Definitions”) and will be governed by the provisions of the 2006 ISDA Definitions. The provisions of the 2006 ISDA Definitions are incorporated by reference in, and shall form part of, this Agreement and each Confirmation. Any reference to a “Swap Transaction” in the 2006 ISDA Definitions is deemed to be a reference to a “Transaction” for purposes of this Agreement or any Confirmation, and any reference to a “Transaction” in this Agreement or any Confirmation is deemed to be a reference to a “Swap Transaction” for purposes of the 2006 ISDA Definitions. The provisions of this Agreement (exclusive of the 2006 ISDA Definitions) shall prevail in the event of any conflict between such provisions and the 2006 ISDA Definitions.

- (b) **2002 Master Agreement Protocol.** Annexes 1 to 18 and Section 6 of the ISDA 2002 Master Agreement Protocol as published by the International Swaps and Derivatives Association, Inc. on July 15, 2003 are incorporated into and apply to this Agreement. References in those definitions and provisions to any ISDA Master Agreement will be deemed to be references to this Master Agreement.
- (c) **Change of Account.** Any account designated by a party pursuant to Section 2(b) shall be in the same legal and tax jurisdiction as the original account.
- (d) **WAIVER OF RIGHT TO TRIAL BY JURY.** EACH PARTY HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHTS TO TRIAL BY JURY WITH RESPECT TO ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT, ANY CREDIT SUPPORT DOCUMENT OR ANY TRANSACTION CONTEMPLATED HEREBY. NEITHER PARTY SHALL SEEK TO CONSOLIDATE, BY COUNTERCLAIM OR OTHERWISE, ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE OR HAS NOT BEEN WAIVED. THESE PROVISIONS SHALL NOT BE DEEMED TO HAVE BEEN MODIFIED IN ANY RESPECT OR RELINQUISHED BY EITHER PARTY EXCEPT BY WRITTEN INSTRUMENT EXECUTED BY EACH OF THEM.
- (e) **Modifications to the Agreement.** This Agreement shall be modified as follows:
- (i) Section 1(b) shall be amended by inserting the words “fully executed and delivered or otherwise accepted” between the words “any” and “Confirmation” in line 3.
  - (ii) Section 2(d)(i)(4)(B) is amended by deleting “Section 3(f)” in the first line thereof and inserting “Sections 3(f) or 3(g)” in lieu thereof.
  - (iii) Section 3(d) is hereby amended by adding in the third line thereof after the word “respect” and before the period: “or, in the case of financial statements, a fair presentation of the financial condition of the relevant party as of the dates and for the periods set forth therein”.
  - (iv) Section 5(b)(iii) is hereby amended by adding in the fourth line after the word “likelihood” the following: “, in the written opinion of its outside legal counsel,”
- (f) **Amendments, Notices, Counterparts and Confirmations.**
- (i) Section 9(b) shall be amended by (A) deleting in the parenthetical the words “by a facsimile transmission” and replacing them with the words “by an e-mail”; and (B) deleting the word “telexes” and replacing it with the word “e-mails”.
  - (ii) Section 9(e)(i) shall be amended by deleting the words “by facsimile transmission” and replacing them with the words “by e-mail”.
  - (iii) The second and third sentences of Section 9(e)(ii) shall be deleted and replaced by the following:  
  
“A Confirmation will be entered into as soon as practicable and may be executed and delivered in counterparts (including by an e-mail) or be created by an exchange of electronic messages on an electronic messaging system or by an exchange of e-mails, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, electronic message or e-mail constitutes a Confirmation.”

- (iv) The wording of Section 12(a)(ii) shall be replaced in its entirety by the following: “[reserved;]”.
- (v) The wording of Section 12(a)(iii) shall be replaced in its entirety by the following: “[reserved;]”.
- (vi) Section 12(b) shall be amended by deleting the words “address, telex or facsimile number” and replacing them with the word “address”.

- (g) ***Withholding Tax imposed on payments to non-US counterparties under the United States Foreign Account Tax Compliance Act.*** “Tax” as used in Part 2(a) of this Schedule (Payer Tax Representation) and “*Indemnifiable Tax*” as defined in Section 14 of this Agreement shall not include any U.S. federal withholding tax imposed or collected pursuant to Sections 1471 through 1474 of the U.S. Internal Revenue Code of 1986, as amended (the “Code”), any current or future regulations or official interpretations thereof, any agreement entered into pursuant to Section 1471(b) of the Code, or any fiscal or regulatory legislation, rules or practices adopted pursuant to any intergovernmental agreement entered into in connection with the implementation of such Sections of the Code (a “*FATCA Withholding Tax*”). For the avoidance of doubt, a FATCA Withholding Tax is a Tax the deduction or withholding of which is required by applicable law for the purposes of Section 2(d) of this Agreement.

This Part 5(g) shall replace any “*Express Provisions*” where “*Express Provisions*” means any provisions expressly set out in any confirmation of a Transaction that supplements, forms a part of, and is subject to, this ISDA Master Agreement; that provide for amendments to (i) any Payer Tax Representation contained in this ISDA Master Agreement, (ii) Section 2(d) of this ISDA Master Agreement, or (iii) the definition of “*Indemnifiable Tax*” in this ISDA Master Agreement, in each case, only in relation to FATCA Withholding Tax.

- (h) ***Conditions Precedent.*** Section 2(a)(iii)(1) shall be amended by deleting the words “or Potential Event of Default”. In addition, for the avoidance of doubt, Section 2(a)(iii) of this Agreement applies to each obligation of each party under Section 2(a)(i) of this Agreement, after the application of Section 2(c) of this Agreement or, if applicable, paragraph (d) of Part 6 of this Schedule, where the parties shall be deemed to have agreed to netting therein.

- (i) ***Amendment to Section 2.*** Section 2 of the Agreement shall be amended to add at the end a new Section 2(e), reading in its entirety as follows:

“(e) ***Condition End Date.***

(i) If an Event of Default occurs, the Defaulting Party may, by notice to the Non-defaulting Party identifying the Event of Default and confirming its occurrence, specify that clause (ii) will apply to that Event of Default.

(ii) If this clause (ii) applies to an Event of Default, then the condition precedent specified in Section 2(a)(iii)(1) with respect to that Event of Default will cease to be a condition precedent to each obligation of the Non-defaulting Party on the relevant Condition End Date. Any obligation that would have been payable or deliverable by the Non-defaulting Party but for Section 2(a)(iii)(1) will become payable or deliverable on the first Local Business Day falling after the Condition End Date (together with interest payable on demand in accordance with Section 9(h)(i)(3)(A) or compensation and interest payable on demand in accordance with Section 9(h)(i)(4)(A), as the case may be).



(iii) Subject to clause (iv) below, if, after a party has given a notice under clause (i) above with respect to an Event of Default, another Event of Default occurs with respect to that party (and such other Event of Default does not arise out of the same facts and circumstances as a prior Event of Default), then, with respect to the earlier Event of Default, no Condition End Date will occur and therefore clause (ii) will not apply. This will not affect the right of that party to give a notice under clause (i) in respect of the subsequent Event of Default. This clause (iii) is without prejudice to the right of the Defaulting Party to give a new notice to the Non-defaulting Party under clause (i) with respect to the earlier Event of Default.

(iv) If the Defaulting Party has given a notice under clause (i) above in respect of an Event of Default under Section 5(a)(vii), then clause (iii) will not apply.”

Section 14 of the Agreement is amended to add in the appropriate alphabetical position a new definition of “Condition End Date”, reading in its entirety as follows:

“**“Condition End Date”** means, with respect to an Event of Default, the day falling 90 days after a notice given by the Defaulting Party under Section 2(e)(i) is effective if the Event of Default is still continuing on that day.”

- (j) **ISDA Dodd Frank Protocols.** The parties agree that, notwithstanding anything to the contrary in the ISDA August 2012 DF Protocol Agreement (as published by the International Swaps and Derivatives Association, Inc. on August 13, 2012) entered into by the parties (the “August DF Protocol Agreement”) and the ISDA March 2013 DF Protocol Agreement (as published by the International Swaps and Derivatives Association, Inc. on March 22, 2013) entered into by the parties (the “March DF Protocol Agreement”) (together, the “Protocol Agreements”), this Agreement shall constitute a “Protocol Covered Agreement” for all purposes under the Protocol Agreements.
- (k) **ISDA 2018 U.S. Resolution Stay Protocol.** Each party agrees that it has adhered to the ISDA 2018 U.S. Resolution Stay Protocol (the “**ISDA U.S. Stay Protocol**”) prior to the date hereof. The parties agree that the terms of the ISDA U.S. Stay Protocol are incorporated into and form a part of this Agreement, and this Agreement shall be deemed a Protocol Covered Agreement for purposes thereof. For purposes of incorporating the ISDA U.S. Stay Protocol, Party A shall be deemed to be a Regulated Entity and Party B shall be deemed to be an Adhering Party. In the event of any inconsistencies between this Agreement and the ISDA U.S. Stay Protocol, the ISDA U.S. Stay Protocol will prevail.
- (l) **Confirmation Procedures.** Each confirming document, acknowledgment or other evidence intended by the parties to be effective for the purpose of confirming or evidencing a Transaction, whether created by delivery or exchange of written terms that match, or by making available written terms in a manner that permits the recipient to review and/or accept the terms, or by delivery to an agent or service provider, or via electronic messaging system, electronic communication network, or web-based platform that confirms the matching of such terms, shall constitute a “Confirmation” as referred to in this Agreement, provided that both parties agree in writing or by their course of conduct to use such method with respect to Transactions or certain types of Transactions. The parties expect to execute and deliver Confirmations for Transactions within the timeframes specified in CFTC Rule 23.501, to the extent applicable. Failure of the parties to confirm a Transaction within such timeframes, however, shall not be a basis for voiding or rescinding such Transaction and shall not affect the validity or enforceability of such Transaction.

- (m) **Limitations on Confirmation Override.** Notwithstanding Section 1(b) of this Agreement (as modified in Part 5(e) (i) above), the terms of a Confirmation shall not override any of the provisions identified below, and in the event of any inconsistency the terms of such provision and not the Confirmation shall govern, unless the Confirmation is executed by authorized signatories of Party A and Party B:
- (i) Part 1 of this Schedule (“Termination Provisions”);
  - (ii) Section 5 of this Agreement (“Events of Default and Termination Events”), as supplemented and amended by Part 1 of this Schedule;
  - (iii) Section 6 of this Agreement (“Early Termination; Close-Out Netting”), as supplemented and amended by this Schedule; or
  - (iv) Any Credit Support Document.
- (n) **Limitation of Liability.** NO PARTY SHALL BE REQUIRED TO PAY OR BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR PUNITIVE DAMAGES (WHETHER OR NOT ARISING FROM ITS NEGLIGENCE) TO ANY OTHER PARTY EXCEPT TO THE EXTENT THAT THE PAYMENTS REQUIRED TO BE MADE PURSUANT TO THIS AGREEMENT ARE DEEMED TO BE SUCH DAMAGES. IF AND TO THE EXTENT ANY PAYMENT REQUIRED TO BE MADE PURSUANT TO THIS AGREEMENT IS DEEMED TO CONSTITUTE LIQUIDATED DAMAGES, THE PARTIES ACKNOWLEDGE AND AGREE THAT ACTUAL DAMAGES ARE DIFFICULT OR IMPOSSIBLE TO DETERMINE AND THAT SUCH PAYMENT IS INTENDED TO BE A REASONABLE APPROXIMATION OF THE AMOUNT OF SUCH DAMAGES AND NOT A PENALTY.
- (o) **Benchmarks.** The parties acknowledge that in the event they enter into any Transaction referencing a benchmark that is to be demised pursuant to a regulatory initiative (an “**Old Benchmark**”) they will need to amend the terms of that Transaction to account for the demise of the Old Benchmark. They agree to engage in good faith discussions to agree on a replacement benchmark, and mitigate any economic and operational consequences of such amendment. They further agree to consult on these matters in a timely manner ahead of the demise of the Old Benchmark. Reference shall be made to prevailing market standards and practices, including any ISDA published supplements and protocols. Notwithstanding the foregoing, if a Transaction is hedging a Loan under the Credit Agreement, the parties agree to use good faith efforts to select a replacement benchmark for the Transaction that matches the replacement benchmark provided for in the Credit Agreement with respect to such Loan.

*[The remainder of this page is intentionally left blank.]*

**IN WITNESS WHEREOF**, the parties have executed this Schedule as of the date specified on the first page of this document.

**HSBC BANK USA, NATIONAL ASSOCIATION**

**ADVANCED ENERGY INDUSTRIES, INC.**

By: /s/ Leon Kirkland  
Name: Leon Kirkland  
Title: Authorized Signatory

By: /s/ Paul Oldham  
Name: Paul Oldham  
Title: EVP and Chief Financial Officer



International Swaps and Derivatives Association, Inc.

**SCHEDULE**  
**to the**  
**2002 Master Agreement**

dated as of April 7, 2020

between

**CITIBANK, N.A.,**

a national banking association organized and existing  
under the laws of the United States of America  
(***“Party A”***),

and

**ADVANCED ENERGY INDUSTRIES, INC.,**

a corporation  
organized and existing under the laws of the State of Delaware  
(***“Party B”***)

**Part 1**

**Termination Provisions**

- (a) ***“Specified Entity”*** means in relation to Party A for the purposes of Sections 5(a)(v), 5(a)(vi), 5(a)(vii) and 5(b)(v):  
None.  
  
***“Specified Entity”*** means in relation to Party B for the purposes of Sections 5(a)(v), 5(a)(vi), 5(a)(vii) and 5(b)(v):  
None.
- (b) ***“Specified Transaction”*** will have the meaning specified in Section 14. The ***“Default under Specified Transaction”*** provisions of Section 5(a)(v) of this Agreement will not apply with respect to Party A or Party B or any Credit Support Provider of Party B.
- (c) The ***“Cross-Default”*** provisions of Section 5(a)(vi) will apply to Party A and will apply to Party B; *provided*, that (i) the phrase “, or becoming capable at such time of being declared,” is deleted from Section 5(a)(vi)(1); (ii) the phrase “which has resulted in such Specified Indebtedness becoming due and payable under such agreements or instruments before it would otherwise have been due and payable” is inserted in Section 5(a)(vi)(2) immediately before the semi-colon; and (iii) an Event of Default shall not occur with respect to a party under Section 5(a)(vi) when the failure to pay or

deliver, or the default, event of default or other similar condition or event, as the case may be, arises solely (A) out of a wire transfer problem or an operational or administrative error or omission (so long as the required funds or property required to make that payment or delivery were otherwise available to that party), or (B) from the general unavailability of the relevant currency due to exchange controls or other similar governmental action, but in either case only if the payment or delivery is made within three Local Business Days after the problem has been corrected, the error or omission has been discovered or the currency becomes generally available.

In connection therewith, “**Specified Indebtedness**” will have the meaning specified in Section 14, except that such term shall not include (i) obligations in respect of deposits received in the ordinary course of a party’s banking business and (ii) Non-recourse Indebtedness. For purposes of this definition, indebtedness is “**Non-recourse Indebtedness**” to the extent that it is non-recourse to the party incurring such indebtedness except recourse to assets acquired with such indebtedness or dividends received by such party on account of such acquired assets.

“**Threshold Amount**” means with respect to (i) Party A, an amount equal to three percent (3%) of the Stockholders’ Equity of Citibank, N.A.; and (ii) Party B, USD 50,000,000, or such larger amount used in Section 8.01(e) of the Credit Agreement with respect to a cross-default “Event of Default” (as such term is used in the Credit Agreement) or a similar provision in the Credit Agreement as modified after the date of this Agreement.

With respect to Party B, any “Event of Default” under and as defined in the Credit Agreement which has resulted in Party B’s obligations under the Credit Agreement becoming due and payable before they would otherwise have been payable shall be an Event of Default under this Agreement.

“**Credit Agreement**” means that certain Credit Agreement dated as of September 10, 2019 among Advanced Energy Industries, Inc., as Borrower, certain Subsidiaries of the Borrower party thereto, as the Guarantors, Bank of America, N.A., as the Administrative Agent, Bank of America, N.A., Bank of the West and HSBC Bank USA, N.A., as the Joint Lead Arrangers and Joint Book Runners, Citibank, N.A., as the Co-Manager, and the Lenders from time to time party thereto, and as the same may be amended, supplemented, restated, renewed, extended, replaced or otherwise modified from time to time. Capitalized terms used herein and not otherwise defined herein shall have the meaning ascribed to such terms in the Credit Agreement.

“**Stockholders’ Equity**” For purposes of the above, stockholders’ equity shall be determined by reference to Party A’s most recent consolidated quarterly balance sheet and shall include legal capital, paid-in capital, retained earnings and cumulative translation adjustments. Such balance sheet shall be prepared in accordance with accounting principles that are generally accepted in the United States.

- (d) The “**Credit Event Upon Merger**” provisions of Section 5(b)(v) will apply to Party A and will apply to Party B, as amended by deleting subparagraphs (2) and (3), and inserting the word “or” immediately after the semi-colon at the end of subparagraph (1); *provided* that any event permitted under the terms of the Credit Agreement which would otherwise constitute a Credit Event Upon Merger under this Agreement with respect to Party B or any Credit Support Provider of Party B, shall not constitute a Credit Event Upon Merger under this Agreement.
- (e) The “**Automatic Early Termination**” provision of Section 6(a) will not apply to Party A and will not apply to Party B.
- (f) “**Termination Currency**” means United States Dollars.

- (g) **Additional Termination Event** will apply. It shall be an Additional Termination Event, with respect to which Party B shall be the sole Affected Party, if, after the date of this Agreement, the Credit Agreement is amended, supplemented, restated, renewed, extended, replaced or otherwise modified to grant a security interest to the Lenders under the Credit Agreement (whether in the Credit Agreement or in a related security agreement securing Loans under the Credit Agreement) that secures the obligations and liabilities of Party B under the Loans, but fails to also secure the obligations and liabilities of Party B under this Agreement on a *pari passu* basis equal in right and priority of payment with the outstanding principal obligations of Party B under the Loans (and for the avoidance of doubt, if there are multiple tranches of Loans, the most senior tranche). Notwithstanding anything to the contrary in the Credit Agreement or in this Agreement, this Part 1(g) Additional Termination Event shall only be applied when the Lenders become secured under the Credit Agreement following the date of this Agreement.
- (h) **Failure to Pay.** Section 5(a)(i) is hereby amended by replacing the word “first” with the word “third” each time it appears.
- (i) **Optional Termination.** On any Business Day (the “Optional Termination Date”), Party B may terminate and cash settle any Transaction hereunder in whole or in part; *provided that*, Party B will provide at least three days’ prior written notice to Party A designating the Optional Termination Date. The amount due with respect to any such termination shall be determined pursuant to Section 6 of this Agreement as if (i) the Optional Termination Date is the Early Termination Date; (ii) Party B is the sole Affected Party (for all purposes other than the election to terminate), and (iii) such Transaction is the sole Affected Transaction. If a Transaction is to be terminated in part, the notice thereof provided by Party B shall specify the portion of the Notional Amount of such Transaction to be terminated, and the parties shall execute an amendment to the Confirmation for such Transaction to reflect the revised Notional Amount and the corresponding pro rata reductions on each amortization schedule reduction date for the revised Notional Amount.

## Part 2

### Tax Representations

- (a) **Payer Tax Representations.** For the purpose of Section 3(e) of this Agreement, Party A and Party B will make the following representation:
- It is not required by any applicable law, as modified by the practice of any relevant governmental revenue authority, of any Relevant Jurisdiction to make any deduction or withholding for or on account of any Tax from any payment (other than interest under Section 9(h) of this Agreement) to be made by it to the other party under this Agreement. In making this representation, it may rely on (i) the accuracy of any representations made by the other party pursuant to Section 3(f) or 3(g) of this Agreement, (ii) the satisfaction of the agreement contained in Section 4(a)(i) or 4(a)(iii) of this Agreement and the accuracy and effectiveness of any document provided by the other party pursuant to Section 4(a)(i) or 4(a)(iii) of this Agreement and (iii) the satisfaction of the agreement of the other party contained in Section 4(d) of this Agreement, except that it will not be a breach of this representation where reliance is placed on clause (ii) above and the other party does not deliver a form or document under Section 4(a)(iii) by reason of material prejudice to its legal or commercial position.
- (b) **Payee Tax Representations.** For the purpose of Section 3(f) of this Agreement, Party A and Party B make the representations specified below, if any:

- (i) The following representations will apply to Party A:
  - (1) Party A is a national banking association organized under the laws of the United States and its U.S. taxpayer identification number is 13-5266470. It is “exempt” within the meaning of Treasury Regulation sections 1.6041-3(p) and 1.6049-4(c) from information reporting on Form 1099 and backup withholding.
  - (2) Party A makes no other Payee Tax Representations.
- (ii) The following representations will apply to Party B:
  - (1) Party B is organized or formed under the laws of a state within the United States, and it is a United States person for United States federal income tax purposes.
  - (2) Party B makes no other Payee Tax Representations.

### **Part 3**

#### **Agreement to Deliver Documents**

For the purpose of Section 4(a)(i) and (ii) of this Agreement, each party agrees to deliver the following documents:

- (a) Tax forms, documents or certificates to be delivered are:

<b>Party required to deliver document</b>	<b>Document</b>	<b>Date by which to be delivered</b>
Party A	A valid U.S. Internal Revenue Service Form W-9 or any successor thereto.	(i) Upon execution and delivery of this Agreement, and (ii) promptly upon reasonable demand by Party B.
Party B	A valid U.S. Internal Revenue Service Form W-9 or any successor thereto.	(i) Upon execution and delivery of this Agreement, and (ii) promptly upon reasonable demand by Party A.

(b) Other documents to be delivered are:

<b>Party required to deliver document</b>	<b>Form/Document/Certificate</b>	<b>Date by which to be delivered</b>	<b>Covered by Section 3(d) Representation</b>
Party A	Certified copies of all corporate authorizations and any other documents with respect to the execution, delivery and performance of this Agreement.	Upon execution and delivery of this Agreement.	Yes
Party A	Certificate of authority and specimen signatures of individuals executing this Agreement.	Upon execution and delivery of this Agreement and thereafter upon request of the other party.	Yes
Party B	Certified copies of all organizational authorizations and any other documents with respect to the execution, delivery and performance of this Agreement.	Upon execution and delivery of this Agreement.	Yes
Party B	Certificate of authority and specimen signatures of individuals executing this Agreement.	Upon execution and delivery of this Agreement and thereafter upon request of the other party.	Yes
Party A	Annual Report of Citibank, N.A. containing audited, consolidated financial statements certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which such party is organized.	To be made available on: <a href="http://www.citigroup.com/citi/fin/reg.htm">http://www.citigroup.com/citi/fin/reg.htm</a> as soon as available and in any event within 90 days after the end of each fiscal year of Party A.	Yes
Party A	Quarterly Call Report of Citibank, N.A. containing unaudited, consolidated financial statements of such party's fiscal quarter prepared in accordance with generally accepted accounting principles in the country in which such party is organized.	To be made available on: <a href="http://www.citigroup.com/citi/fin/reg.htm">http://www.citigroup.com/citi/fin/reg.htm</a> as soon as available and in any event within 45 days after the end of each fiscal quarter of Party A.	Yes



Party required to deliver document	Form/Document/Certificate	Date by which to be delivered	Covered by Section 3(d) Representation
Party B	Annual audited consolidated financial statements of Party B certified by independent certified public accountants and prepared in accordance with generally accepted accounting principles in the country in which Party B is organized (except as described therein).	As soon as available and in any event within 120 days after the end of each fiscal year of Party B; <i>provided, however</i> , that (i) such financials are “deemed” to be delivered hereunder on the date the same shall be posted on the Advanced Energy Industries, Inc. website or the website of the Securities and Exchange Commission, and (ii) for so long as Party A or any Affiliate or Approved Fund of Party A is a party to the Credit Agreement, delivery of such financial statements to Party A or such Affiliate or Approved Fund under the Credit Agreement shall be deemed delivery hereunder.	Yes

Party required to deliver document	Form/Document/Certificate	Date by which to be delivered	Covered by Section 3(d) Representation
Party B	Quarterly Financial Statements of Party B containing unaudited consolidated financial statements of Party B's fiscal quarter prepared in accordance with generally accepted accounting principles in the country in which Party B is organized (except as approved by Party B's chief financial or accounting officer and disclosed in reasonable detail therein, and subject to the absence of footnotes).	As soon as available and in any event within 60 days after the end of Party B's first three fiscal quarters; <i>provided, however</i> , that (i) such financials are "deemed" to be delivered hereunder on the date the same shall be posted on the Advanced Energy Industries, Inc. website or the website of the Securities and Exchange Commission, and (ii) for so long as Party A or any Affiliate or Approved Fund of Party A is a party to the Credit Agreement, delivery of such financial statements to Party A or such Affiliate or Approved Fund under the Credit Agreement shall be deemed delivery hereunder.	Yes

#### Part 4

##### Miscellaneous

(a) **Address for Notices.** For the purpose of Section 12(a) of this Agreement:

(i) **Address for notices or communications to Party A.** For purposes of Section 12(a) of this Agreement, all notices or communications to Party A shall, with respect to any particular Transaction, be sent or delivered to the address or e-mail specified by Party A in the relevant Confirmation (or if not so specified, as specified by Party A in writing for that Transaction or type of Transaction, or if not so specified, then to its address or e-mail specified below), and otherwise with respect to this Agreement, as specified below, provided that any notice under Section 5 or 6 of this Agreement shall be sent or delivered to Party A at the address specified below as required by Section 12(a).

Citibank, N.A.  
Capital Markets Documentation Unit  
388 Greenwich Street  
17th Floor  
New York, New York 10013  
Attention: Director of Derivative Operations  
Facsimile No.: 212 816 5550

(ii) **Address for notices or communications to Party B.** For purposes of Section 12(a) of this Agreement, all notices or communications to Party B shall, with respect to any particular Transaction, be sent or delivered to the address or e-mail specified by Party B in the relevant Confirmation (or if not so specified, as specified by Party B in writing for that Transaction or type of Transaction, or if not so specified, then to its address or e-mail specified below), and otherwise with respect to this Agreement, as specified below, provided that any notice under Section 5 or 6 of this Agreement shall be sent or delivered to Party B at its address specified below as required by Section 12(a).

Advanced Energy Industries, Inc.  
1595 Wynkoop Street, 8<sup>th</sup> Floor  
Denver, Colorado 80202  
Attention: Chris Hanson, Treasurer  
Telephone: 408-574-2545  
E-mail: chris.hanson@aei.com

with a copy to:

Thomas O. McGimpsey, General Counsel  
Advanced Energy Industries, Inc.  
1595 Wynkoop Street, 8<sup>th</sup> Floor  
Denver, Colorado 80202  
Telephone: 970-407-6326  
E-mail: tom.mcgimpsey@aei.com

with a copy (which shall not constitute notice) to:

Foley & Lardner LLP  
777 East Wisconsin Avenue  
Milwaukee, WI 53202  
Attention: Heidi Furlong  
Telephone: 414-297-5620  
Telecopier: 414.297.4900  
E-mail: hfurlong@foley.com

(b) **Process Agent.** For the purpose of Section 13(c):

Party A appoints as its Process Agent: Not Applicable.

Party B appoints as its Process Agent: Not Applicable.

(c) **Offices.** The provisions of Section 10(a) will apply to this Agreement.

- (d) **Multibranch Party.** For the purpose of Section 10(b) of this Agreement:
- Party A is a Multibranch Party and may act through its New York Office.
- Party B is not a Multibranch Party.
- (e) **Calculation Agent.** Calculation Agent is Party A, provided that if an Event of Default occurs and is continuing with respect to Party A, the Calculation Agent shall be a Reference Market-maker that is selected by Party B independent of either party (and its affiliates) and approved by Party A, which approval shall not be unreasonably withheld, and the costs of employing such Reference Market-maker hereunder shall be borne equally by Party A and Party B. As used herein, **“Reference Market-maker”** means a leading dealer in the relevant market selected by a party in good faith from dealers of the highest credit standing which satisfy all the criteria that such party applies generally at the time in deciding whether to offer or to make an extension of credit. Following any such designation of an alternate Calculation Agent, if no Event of Default in respect of Party A is then continuing, the Calculation Agent shall again be Party A.
- (f) **Credit Support Document.** Details of any Credit Support Document:
- In relation to Party A: Not Applicable.
- In relation to Party B: Not Applicable.
- (g) **Credit Support Provider.**
- Credit Support Provider means in relation to Party A: Not Applicable.
- Credit Support Provider means in relation to Party B: Not Applicable.
- (h) **Governing Law; Jurisdiction.**
- (i) This Agreement and any and all controversies arising out of or in relation to this Agreement shall be governed by and construed in accordance with the laws of the State of New York (without reference to its conflict of laws doctrine).
- (ii) Section 13(b)(i) of this Agreement is hereby amended by deleting in line 2 of paragraph 2 the word “non-” and inserting the word “and” after the semicolon at the end of paragraph 2; Section 13(b)(ii) is amended by deleting “; and” at the end thereof and inserting a period in lieu thereof; and Section 13(b)(iii) is deleted. The following shall be added at the end of Section 13(b): “Nothing in this provision shall prohibit a party from bringing an action to enforce a money judgment in any other jurisdiction.”
- (i) **Netting of Payments.** Unless the parties otherwise so agree, “Multiple Transaction Payment Netting” will not apply for the purpose of Section 2(c) of this Agreement, except with respect to any Transactions for which the parties mutually agree shall be netted operationally, starting as of the date mutually agreed.
- (j) **“Affiliate”** will have the meaning specified in Section 14 of this Agreement.
- (k) **Absence of Litigation.** For the purpose of Section 3(c):
- “Specified Entity”** means in relation to Party A, none;
- “Specified Entity”** means in relation to Party B, none.

- (l) **No Agency.** The provisions of Section 3(g) will apply to this Agreement.
- (m) **Additional Representation** will apply. For the purpose of Section 3 of this Agreement, each of the following will constitute an Additional Representation, which will be made by the party indicated below at the times specified below:
- (i) **Mutual Representations.** Each party makes the following representations to the other party (which representations will be deemed to be repeated by each party on each date on which a Transaction is entered into):
- (A) **Relationship Between Parties.** Each party will be deemed to represent to the other party on the date on which it enters into a Transaction that (absent a written agreement between the parties that expressly imposes affirmative obligations to the contrary for that Transaction):
- (1) **Non-Reliance.** It is acting for its own account, and it has made its own independent decisions to enter into that Transaction and as to whether that Transaction is appropriate or proper for it based upon its own judgment and upon advice from such advisors as it has deemed necessary. It is not relying on any communication (written or oral) of the other party as investment advice or as a recommendation to enter into that Transaction, it being understood that information and explanations related to the terms and conditions of a Transaction shall not be considered investment advice or a recommendation to enter into that Transaction. No communication (written or oral) received from the other party will be deemed to be an assurance or guarantee as to the expected results of that Transaction.
- (2) **Assessment and Understanding.** It is capable of assessing the merits of and understanding (on its own behalf or through independent professional advice), and understands and accepts, the terms, conditions and risks of that Transaction. It is also capable of assuming, and assumes, the risks of that Transaction.
- (3) **Status of Parties.** The other party is not acting as a fiduciary for or an advisor to it in respect of that Transaction.
- (B) **Eligible Contract Participant.** Each party will be deemed to represent to the other party on each date on which a Transaction is entered into that it is an “eligible contract participant” as such term is defined in the Commodity Exchange Act, as amended (the “**Commodity Exchange Act**” or “**CEA**”).
- (C) **ERISA.** Each party represents to the other party at all times hereunder that it is not (i) an “employee benefit plan” as defined in Section 3(3) of the Employee Retirement Income Security Act of 1974, as amended (“ERISA”), or a plan as defined in Section 4975(e)(1) of the Internal Revenue Code of 1986, as amended (the “Code”), subject to Title I of ERISA or Section 4975 of the Code, or a plan as so defined but which is not subject to Title I of ERISA or Section 4975 of the Code but is subject to another law materially similar to Title I of ERISA or Section 4975 of the Code (each of which, an “ERISA Plan”), (ii) a person or entity acting on behalf of an ERISA Plan, or (iii) a person or entity the assets of which constitute assets of an ERISA Plan. Each party agrees that it will provide notice to the other party in the event that it is aware that it is in breach of any aspect of this

representation or is aware that with the passing of time, giving of notice or expiry of any applicable grace period it will breach this representation.

- (ii) **FDIC Requirements; Qualified Financial Contracts.** In the case of Party A: (A) it intends and acknowledges that this Agreement, including all Transactions hereunder, shall constitute a “qualified financial contract” and a “swap agreement,” as those terms are defined in 12 U.S.C. §1821(e)(8)(D) as in effect on the date of this Agreement (or any successor provision of similar import), (B) without limiting the generality of Section 3(a)(i), it is authorized under applicable non-insolvency law to enter into and perform its obligations under this Agreement, each Credit Support Document (if any) to which it is party and each Transaction hereunder, (C) it will, at all times during the term of this Agreement, maintain as part of its official books and records a copy of this Agreement (including all Confirmations from time to time and all other supplements hereto and documents incorporated by reference herein), and evidence of its authorization of the foregoing, and (D) this Agreement has been executed and delivered by an officer of the level of Vice President or higher.
- (n) **Exclusion.** Notwithstanding anything to the contrary in any guarantee, credit agreement, loan agreement, security agreement or otherwise, the parties hereby expressly waive the guaranty or other credit support (each a “**Guarantee**”) by any person or entity that purports to guarantee or otherwise support any obligations with respect to any Transaction under this Agreement (each such person a “**Guarantor**”) if, and to the extent, the guaranty or other credit support by such Guarantor with respect to such Transaction is or becomes illegal under the Commodity Exchange Act or any rule, regulation or order of the Commodity Futures Trading Commission (or the application or official interpretation of any thereof) by virtue of such Guarantor’s failure for any reason to constitute an “eligible contract participant” as defined in the Commodity Exchange Act (determined after giving effect to any and all guarantees, letters of credit, keepwell or other support agreements of such Guarantor’s guaranty or other credit support obligations with respect to such Transaction by any person or entity that is capable of bestowing “eligible contract participant” status on the Guarantor within the meaning of Section 1a(18)(v)(II) of the Commodity Exchange Act) at the time the guaranty or other credit support of such Guarantor becomes effective with respect to such Transaction.
- (o) **Recording of Conversations.** Each party to this Agreement (i) acknowledges and agrees to the recording of conversations between trading and marketing and other personnel of the parties or any of their Affiliates in connection with this Agreement, any Transaction or potential Transaction, whether by one or the other or both of the parties or their agents; and (ii) agrees, to the extent permitted by applicable law, that such recordings may be submitted in evidence in any Proceedings.
- (p) **Party A Consent to Disclosure.** Party B is a reporting company under the Securities Exchange Act of 1934, as amended (the “34 Act”), and may be required to disclose this Agreement, including without limitation this Master Agreement and the Confirmations governed by this Master Agreement, the Transactions under this Agreement, and other ancillary agreements on SEC Form 8-K (the “**Form 8-K Documents and Information**”). Party A hereby consents to the disclosure of the Form 8-K Documents and Information and other related material information.

## Part 5

### Other Provisions

- (a) **2006 ISDA Definitions.** This Agreement and each Transaction are subject to the 2006 ISDA Definitions published by the International Swaps and Derivatives Association, Inc. (the “2006 ISDA Definitions”) and will be governed by the provisions of the 2006 ISDA Definitions. The provisions of the 2006 ISDA Definitions are incorporated by reference in, and shall form part of, this Agreement and each Confirmation. Any reference to a “Swap Transaction” in the 2006 ISDA Definitions is deemed to be a reference to a “Transaction” for purposes of this Agreement or any Confirmation, and any reference to a “Transaction” in this Agreement or any Confirmation is deemed to be a reference to a “Swap Transaction” for purposes of the 2006 ISDA Definitions. The provisions of this Agreement (exclusive of the 2006 ISDA Definitions) shall prevail in the event of any conflict between such provisions and the 2006 ISDA Definitions.
- (b) **2002 Master Agreement Protocol.** Annexes 1 to 18 and Section 6 of the ISDA 2002 Master Agreement Protocol as published by the International Swaps and Derivatives Association, Inc. on July 15, 2003 are incorporated into and apply to this Agreement. References in those definitions and provisions to any ISDA Master Agreement will be deemed to be references to this Master Agreement.
- (c) **Change of Account.** Any account designated by a party pursuant to Section 2(b) shall be in the same legal and tax jurisdiction as the original account.
- (d) **WAIVER OF RIGHT TO TRIAL BY JURY.** EACH PARTY HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHTS TO TRIAL BY JURY WITH RESPECT TO ANY LEGAL PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT, ANY CREDIT SUPPORT DOCUMENT OR ANY TRANSACTION CONTEMPLATED HEREBY. NEITHER PARTY SHALL SEEK TO CONSOLIDATE, BY COUNTERCLAIM OR OTHERWISE, ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE OR HAS NOT BEEN WAIVED. THESE PROVISIONS SHALL NOT BE DEEMED TO HAVE BEEN MODIFIED IN ANY RESPECT OR RELINQUISHED BY EITHER PARTY EXCEPT BY WRITTEN INSTRUMENT EXECUTED BY EACH OF THEM.
- (e) **Modifications to the Agreement.** This Agreement shall be modified as follows:
  - (i) Section 1(b) shall be amended by inserting the words “fully executed and delivered or otherwise accepted” between the words “any” and “Confirmation” in line 3.
  - (ii) Section 2(d)(i)(4)(B) is amended by deleting “Section 3(f)” in the first line thereof and inserting “Sections 3(f) or 3(g)” in lieu thereof.
  - (iii) Section 3(d) is hereby amended by adding in the third line thereof after the word “respect” and before the period: “or, in the case of financial statements, a fair presentation of the financial condition of the relevant party as of the dates and for the periods set forth therein”.
  - (iv) Section 5(b)(iii) is hereby amended by adding in the fourth line after the word “likelihood” the following: “, in the written opinion of its outside legal counsel,”
- (f) **Amendments, Notices, Counterparts and Confirmations.**
  - (i) Section 9(b) shall be amended by (A) deleting in the parenthetical the words “by a facsimile transmission” and replacing them with the words “by an e-mail”; and (B) deleting the word “telexes” and replacing it with the word “e-mails”.

- (ii) Section 9(e)(i) shall be amended by deleting the words “by facsimile transmission” and replacing them with the words “by e-mail”.
- (iii) The second and third sentences of Section 9(e)(ii) shall be deleted and replaced by the following:  

“A Confirmation will be entered into as soon as practicable and may be executed and delivered in counterparts (including by an e-mail) or be created by an exchange of electronic messages on an electronic messaging system or by an exchange of e-mails, which in each case will be sufficient for all purposes to evidence a binding supplement to this Agreement. The parties will specify therein or through another effective means that any such counterpart, electronic message or e-mail constitutes a Confirmation.”
- (iv) The wording of Section 12(a)(ii) shall be replaced in its entirety by the following: “[reserved;]”.
- (v) The wording of Section 12(a)(iii) shall be replaced in its entirety by the following: “[reserved;]”.
- (vi) Section 12(b) shall be amended by deleting the words “address, telex or facsimile number” and replacing them with the word “address”.

- (g) ***Withholding Tax imposed on payments to non-US counterparties under the United States Foreign Account Tax Compliance Act.*** “Tax” as used in Part 2(a) of this Schedule (Payer Tax Representation) and “*Indemnifiable Tax*” as defined in Section 14 of this Agreement shall not include any U.S. federal withholding tax imposed or collected pursuant to Sections 1471 through 1474 of the U.S. Internal Revenue Code of 1986, as amended (the “Code”), any current or future regulations or official interpretations thereof, any agreement entered into pursuant to Section 1471(b) of the Code, or any fiscal or regulatory legislation, rules or practices adopted pursuant to any intergovernmental agreement entered into in connection with the implementation of such Sections of the Code (a “*FATCA Withholding Tax*”). For the avoidance of doubt, a FATCA Withholding Tax is a Tax the deduction or withholding of which is required by applicable law for the purposes of Section 2(d) of this Agreement.

This Part 5(g) shall replace any “*Express Provisions*” where “*Express Provisions*” means any provisions expressly set out in any confirmation of a Transaction that supplements, forms a part of, and is subject to, this ISDA Master Agreement; that provide for amendments to (i) any Payer Tax Representation contained in this ISDA Master Agreement, (ii) Section 2(d) of this ISDA Master Agreement, or (iii) the definition of “*Indemnifiable Tax*” in this ISDA Master Agreement, in each case, only in relation to FATCA Withholding Tax.

- (h) ***Conditions Precedent.*** Section 2(a)(iii)(1) shall be amended by deleting the words “or Potential Event of Default”. In addition, for the avoidance of doubt, Section 2(a)(iii) of this Agreement applies to each obligation of each party under Section 2(a)(i) of this Agreement, after the application of Section 2(c) of this Agreement or, if applicable, paragraph (d) of Part 6 of this Schedule, where the parties shall be deemed to have agreed to netting therein.



- (i) **Amendment to Section 2.** Section 2 of the Agreement shall be amended to add at the end a new Section 2(e), reading in its entirety as follows:

“(e) **Condition End Date.**

(i) If an Event of Default occurs, the Defaulting Party may, by notice to the Non-defaulting Party identifying the Event of Default and confirming its occurrence, specify that clause (ii) will apply to that Event of Default.

(ii) If this clause (ii) applies to an Event of Default, then the condition precedent specified in Section 2(a)(iii)(1) with respect to that Event of Default will cease to be a condition precedent to each obligation of the Non-defaulting Party on the relevant Condition End Date. Any obligation that would have been payable or deliverable by the Non-defaulting Party but for Section 2(a)(iii)(1) will become payable or deliverable on the first Local Business Day falling after the Condition End Date (together with interest payable on demand in accordance with Section 9(h)(i)(3)(A) or compensation and interest payable on demand in accordance with Section 9(h)(i)(4)(A), as the case may be).

(iii) Subject to clause (iv) below, if, after a party has given a notice under clause (i) above with respect to an Event of Default, another Event of Default occurs with respect to that party (and such other Event of Default does not arise out of the same facts and circumstances as a prior Event of Default), then, with respect to the earlier Event of Default, no Condition End Date will occur and therefore clause (ii) will not apply. This will not affect the right of that party to give a notice under clause (i) in respect of the subsequent Event of Default. This clause (iii) is without prejudice to the right of the Defaulting Party to give a new notice to the Non-defaulting Party under clause (i) with respect to the earlier Event of Default.

(iv) If the Defaulting Party has given a notice under clause (i) above in respect of an Event of Default under Section 5(a)(vii), then clause (iii) will not apply.”

Section 14 of the Agreement is amended to add in the appropriate alphabetical position a new definition of “Condition End Date”, reading in its entirety as follows:

“**Condition End Date**” means, with respect to an Event of Default, the day falling 90 days after a notice given by the Defaulting Party under Section 2(e)(i) is effective if the Event of Default is still continuing on that day.”

- (j) **ISDA Dodd Frank Protocols.** The parties agree that, notwithstanding anything to the contrary in the ISDA August 2012 DF Protocol Agreement (as published by the International Swaps and Derivatives Association, Inc. on August 13, 2012) entered into by the parties (the “August DF Protocol Agreement”) and the ISDA March 2013 DF Protocol Agreement (as published by the International Swaps and Derivatives Association, Inc. on March 22, 2013) entered into by the parties (the “March DF Protocol Agreement”) (together, the “Protocol Agreements”), this Agreement shall constitute a “Protocol Covered Agreement” for all purposes under the Protocol Agreements.
- (k) **ISDA 2018 U.S. Resolution Stay Protocol.** Each party agrees that it has adhered to the ISDA 2018 U.S. Resolution Stay Protocol (the “**ISDA U.S. Stay Protocol**”) prior to the date hereof. The parties agree that the terms of the ISDA U.S. Stay Protocol are incorporated into and form a part of this Agreement, and this Agreement shall be deemed a Protocol Covered Agreement for purposes thereof. For purposes of incorporating the ISDA U.S. Stay Protocol, Party A shall be deemed to

be a Regulated Entity and Party B shall be deemed to be an Adhering Party. In the event of any inconsistencies between this Agreement and the ISDA U.S. Stay Protocol, the ISDA U.S. Stay Protocol will prevail.

- (l) **Confirmation Procedures.** Each confirming document, acknowledgment or other evidence intended by the parties to be effective for the purpose of confirming or evidencing a Transaction, whether created by delivery or exchange of written terms that match, or by making available written terms in a manner that permits the recipient to review and/or accept the terms, or by delivery to an agent or service provider, or via electronic messaging system, electronic communication network, or web-based platform that confirms the matching of such terms, shall constitute a “Confirmation” as referred to in this Agreement, provided that both parties agree in writing or by their course of conduct to use such method with respect to Transactions or certain types of Transactions. The parties expect to execute and deliver Confirmations for Transactions within the timeframes specified in CFTC Rule 23.501, to the extent applicable. Failure of the parties to confirm a Transaction within such timeframes, however, shall not be a basis for voiding or rescinding such Transaction and shall not affect the validity or enforceability of such Transaction.
- (m) **Severability.** Except as otherwise provided in Sections 5(b)(i) or 5(b)(ii) of this Agreement in the event that any one or more of the provisions contained in this Agreement should be held invalid, illegal, or unenforceable in any jurisdiction, the validity, legality and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby. The parties shall endeavor, in good faith negotiations, to replace the invalid, illegal or unenforceable provisions with valid provisions, the economic effect of which comes as close as possible to that of the invalid, illegal or unenforceable provisions.
- (n) **Limitation of Liability.** NO PARTY SHALL BE REQUIRED TO PAY OR BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR PUNITIVE DAMAGES (WHETHER OR NOT ARISING FROM ITS NEGLIGENCE) TO ANY OTHER PARTY EXCEPT TO THE EXTENT THAT THE PAYMENTS REQUIRED TO BE MADE PURSUANT TO THIS AGREEMENT ARE DEEMED TO BE SUCH DAMAGES. IF AND TO THE EXTENT ANY PAYMENT REQUIRED TO BE MADE PURSUANT TO THIS AGREEMENT IS DEEMED TO CONSTITUTE LIQUIDATED DAMAGES, THE PARTIES ACKNOWLEDGE AND AGREE THAT ACTUAL DAMAGES ARE DIFFICULT OR IMPOSSIBLE TO DETERMINE AND THAT SUCH PAYMENT IS INTENDED TO BE A REASONABLE APPROXIMATION OF THE AMOUNT OF SUCH DAMAGES AND NOT A PENALTY.
- (o) **Certain Permitted Disclosures.** Party A is required to report information related to swap, derivatives and other transactions with counterparties to appropriate regulators. Notwithstanding anything to the contrary in any agreement, including, without limitation, any non-disclosure or confidentiality agreement between Party A and Party B, as a counterparty to a swap, derivatives, or other transaction, Party B hereby consents to the disclosure of information: (a) to the extent required by any applicable law, rule or regulation which mandates reporting and/or retention of transaction and similar information or to the extent required by order or directive regarding reporting and/or retention of transaction or similar information issued by any authority, body or agency in accordance with which Party A is required or accustomed to act, including, without limitation, reporting required to be made to swap or trade data repositories or systems or services operated by such repositories (**“Reporting Requirements”**) or (b) to and between Party A’s head office, branches or affiliates, or any persons or entities who provide services to such other party or its head office, branches or affiliates, in each case, in connection with such Reporting Requirements.

- (p) ***Applicability of Dodd-Frank Margin Requirements.*** Party B represents as of the date hereof (which representation shall be deemed to repeated on each date on which a Transaction is entered into) that Party B is not a “financial end user” as defined in the Margin Requirements. For purposes of the foregoing, the term “Margin Requirements” means the Margin and Capital Requirements for Covered Swap Entities; Final Rule adopted by the Department of the Treasury, Federal Reserve System, Federal Deposit Insurance Corporation, Farm Credit Administration and Federal Housing Finance Agency, published at 80 FR 74840 (November 30, 2015) Reg. \_\_.2.]

*[The remainder of this page is intentionally left blank.]*

**IN WITNESS WHEREOF**, the parties have executed this Schedule as of the date specified on the first page of this document.

**CITIBANK, N.A.**

**ADVANCED ENERGY INDUSTRIES, INC.**

By: /s/ Candice E. Somerville  
Name: Candice E. Somerville  
Title: Vice President

By: /s/ Paul Oldham  
Name: Paul Oldham  
Title: EVP & Chief Financial Officer



HSBC Bank USA, National Association  
452 Fifth Avenue  
New York, NY 10018  
Fax: (212) 525-5517

**From:**

HSBC Bank USA, National Association  
452 Fifth Avenue, New York, NY 10018

**To:**

Advanced Energy Industries, Inc.

**Date** : 07 April 2020

**Our Reference** : 4762820N

**RATE SWAP TRANSACTION CONFIRMATION**

Dear Sir or Madam,

The purpose of this agreement (this "Confirmation") is to confirm the terms and conditions of the Swap Transaction entered into between us on the Trade Date specified below.

This Confirmation constitutes a "Confirmation" as referred to in the ISDA Master Agreement specified below.

The definitions and provisions contained in the 2006 ISDA Definitions as published by the International Swaps and Derivatives Association, Inc. (the "Definitions") are incorporated into this Confirmation. In the event of any inconsistency between those definitions and provisions and this Confirmation, this Confirmation will govern.

This Confirmation supplements, forms part of and is subject to the ISDA 2002 Master Agreement dated as of April 2, 2020, as amended and supplemented from time to time (the "Agreement"), between **HSBC Bank USA, National Association** ("Party A") and **Advanced Energy Industries, Inc.** ("Party B"). All provisions contained in or incorporated by reference in the Agreement govern this Confirmation except as expressly modified below.

**The terms of the particular Swap Transaction to which this Confirmation relates are as follows:**

Trade Date : 06 April 2020

Effective Date : 08 April 2020

Termination Date : 10 September 2024, subject to adjustment in accordance with Modified Following Business Day Convention

**Fixed Amount**

Fixed Rate Payer : Party B

RESTRICTED

4762820N

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Fixed Rate Payer Notional Amount	: As set forth in Exhibit I, which is attached hereto and incorporated by reference into this Confirmation
Fixed Rate Initial Calculation Period	: Commencing from the Effective Date till 30 April 2020
Fixed Rate Payer Payment Dates	: The last day of each month, commencing on 30 April 2020 and ending on the Termination Date, subject to adjustment in accordance with Modified Following Business Day Convention.
Fixed Rate	: 0.498%
Fixed Rate Payer Fixed Rate Day Count Fraction	: Actual/360
Business Days	: New York and London
<b>Floating Amounts</b>	
Floating Rate Payer	: Party A
Floating Rate Payer Notional Amount	: As set forth in Exhibit I, which is attached hereto and incorporated by reference into this Confirmation
Floating Rate Payer Payment Dates	: The last day of each month, commencing on 30 April 2020 and ending on the Termination Date, subject to adjustment in accordance with Modified Following Business Day Convention.
Floating Rate Initial Calculation Period	: Commencing from the Effective Date till 30 April 2020
Floating Rate for initial Calculation Period (excluding Spread)	: 0.92125%
Relevant Rate:	: USD-LIBOR-BBA
Designated Maturity	: 1 month
Spread	: None
Reset Dates	: The first day of each Calculation Period
Floating Rate Payer Day Count Fraction	: Actual/360
Compounding	: Inapplicable
Business Days	: New York and London
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Calculation Agent	: Party A or as otherwise specified in the Agreement

RESTRICTED

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**Office(s):**

The office of Party A for the Swap Transaction is New York

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**Account Details:****In USD**

HSBC Bank USA, National Association : As per Standard Settlement Instruction, or as otherwise advised separately.

Advanced Energy Industries, Inc. : As per Standard Settlement Instruction, or as otherwise advised separately.

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**Please confirm that the forgoing correctly sets forth the terms of our agreement by having an authorized officer sign this Confirmation and return it via email to:**

HSBC Bank USA, National Association  
Swap Documentation  
Attention: Derivative Confirmations  
Email : [ratesdocumentation@hsbc.com](mailto:ratesdocumentation@hsbc.com)

Please direct all settlement inquiries to:

HSBC Bank USA, National Association  
Derivative Settlements  
Attention: Derivative Settlements  
Telephone: +44 (0)207 088 2551  
Email : [ird.settlements.us@hsbc.com](mailto:ird.settlements.us@hsbc.com)

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*The Parties acknowledge, that this Confirmation has been executed by HSBC Bank USA, National Association by means of a computer-based system and that such execution shall have the same legal effect as if a signature had been manually written on such Confirmation and that each such Confirmation shall be deemed to have been signed by HSBC Bank USA, National Association for the purposes of any statute or rule of law that requires such Confirmation to be signed. The Parties acknowledge that in any legal proceedings relating to this Confirmation, each party expressly waives any right to raise any defense or waiver of liability based upon the execution of this Confirmation by HSBC Bank USA, National Association by means of an electronically-produced signature or signatures.*

RESTRICTED

4762820N

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**HSBC Bank USA, National Association**

By: /s/ Gitu Abraham  
Name:Gitu Abraham  
Title: Assistant Vice President  
#40969A

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**Advanced Energy Industries, Inc.**

By: /s/ Chris Hanson  
Name:Chris Hanson  
Title: VP Treasurer

RESTRICTED

4762820N

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# EXHIBIT I

For the Calculation Periods		Notional Amount (USD)
From and Including*	To but Excluding*	
The Effective Date	30-Apr-20	143,171,875
30-Apr-20	29-May-20	143,171,875
29-May-20	30-Jun-20	143,171,875
30-Jun-20	31-Jul-20	140,984,375
31-Jul-20	28-Aug-20	140,984,375
28-Aug-20	30-Sep-20	140,984,375
30-Sep-20	31-Oct-20	138,796,875
31-Oct-20	30-Nov-20	138,796,875
30-Nov-20	31-Dec-20	138,796,875
31-Dec-20	29-Jan-21	136,609,375
29-Jan-21	26-Feb-21	136,609,375
26-Feb-21	31-Mar-21	136,609,375
31-Mar-21	30-Apr-21	134,421,875
30-Apr-21	28-May-21	134,421,875
28-May-21	30-Jun-21	134,421,875
30-Jun-21	30-Jul-21	132,234,375
30-Jul-21	31-Aug-21	132,234,375
31-Aug-21	30-Sep-21	132,234,375
30-Sep-21	29-Oct-21	130,046,875
29-Oct-21	30-Nov-21	130,046,875
30-Nov-21	31-Dec-21	130,046,875
31-Dec-21	31-Jan-22	127,859,375
31-Jan-22	28-Feb-22	127,859,375
28-Feb-22	31-Mar-22	127,859,375
31-Mar-22	29-Apr-22	125,671,875
29-Apr-22	31-May-22	125,671,875
31-May-22	30-Jun-22	125,671,875
30-Jun-22	29-Jul-22	123,484,375

RESTRICTED

4762820N

29-Jul-22	31-Aug-22	123,484,375
31-Aug-22	30-Sep-22	123,484,375
30-Sep-22	31-Oct-22	121,296,875
31-Oct-22	30-Nov-22	121,296,875
30-Nov-22	30-Dec-22	121,296,875
30-Dec-22	31-Jan-23	119,109,375
31-Jan-23	28-Feb-23	119,109,375
28-Feb-23	31-Mar-23	119,109,375
31-Mar-23	28-Apr-23	116,921,875
28-Apr-23	31-May-23	116,921,875
31-May-23	30-Jun-23	116,921,875
30-Jun-23	31-Jul-23	114,734,375
31-Jul-23	31-Aug-23	114,734,375
31-Aug-23	29-Sep-23	114,734,375
29-Sep-23	31-Oct-23	112,546,875
31-Oct-23	30-Nov-23	112,546,875
30-Nov-23	29-Dec-23	112,546,875
29-Dec-23	31-Jan-24	110,359,375
31-Jan-24	29-Feb-24	110,359,375
29-Feb-24	28-Mar-24	110,359,375
28-Mar-24	30-Apr-24	108,171,875
30-Apr-24	31-May-24	108,171,875
31-May-24	28-Jun-24	108,171,875
28-Jun-24	31-Jul-24	105,984,375
31-Jul-24	30-Aug-24	105,984,375
30-Aug-24	The Termination Date	105,984,375

\* All dates listed above, with the exception of the Effective Date, are subject to adjustment in accordance with the Modified Following Business Day Convention.

RESTRICTED

4762820N

**From:**

Citibank, N.A.  
Confirmations Unit  
390 Greenwich Street – 5<sup>th</sup> Floor  
New York, NY 10013 USA

LEI: E57ODZWZ7FF32TWEFA76

**To:**

Advanced Energy Industries, Inc.

**Date**

: April 9, 2020

**Our Reference**

: C47419468000

**RATE SWAP TRANSACTION CONFIRMATION**

Dear Sir or Madam,

The purpose of this agreement (this "Confirmation") is to confirm the terms and conditions of the Swap Transaction entered into between us on the Trade Date specified below. This Confirmation constitutes a "Confirmation" as referred to in the ISDA Master Agreement specified below.

The definitions and provisions contained in the 2006 ISDA Definitions as published by the International Swaps and Derivatives Association, Inc. (the "Definitions") are incorporated into this Confirmation. In the event of any inconsistency between those definitions and provisions and this Confirmation, this Confirmation will govern.

This Confirmation supplements, forms part of and is subject to the ISDA 2002 Master Agreement dated as of April 7, 2020, as amended and supplemented from time to time (the "Agreement"), between **Citibank, N.A.** ("Party A") and **Advanced Energy Industries, Inc.** ("Party B"). All provisions contained in or incorporated by reference in the Agreement govern this Confirmation except as expressly modified below.

**The terms of the particular Swap Transaction to which this Confirmation relates are as follows:**

Trade Date : 7 April 2020

Effective Date : 9 April 2020

Termination Date : 10 September 2024, subject to adjustment in accordance with Modified Following Business Day Convention

**Fixed Amount**

Fixed Rate Payer : Party B

1/6

Deal No: 83814443, Deal  
Alias: C47419468000, ID:  
29699917(1-1)

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Fixed Rate Payer Notional Amount	: As set forth in Exhibit I, which is attached hereto and incorporated by reference into this Confirmation
Fixed Rate Initial Calculation Period	: From the Effective Date till 30 April 2020
Fixed Rate Payer Payment Dates	: The last day of each month, commencing on 30 April 2020 and ending on the Termination Date, subject to adjustment in accordance with Modified Following Business Day Convention.
Fixed Rate	: 0.5440000 percent
Fixed Rate Payer Fixed Rate Day Count Fraction	: Actual/360
Business Days	: New York and London
<b>Floating Amounts</b>	
Floating Rate Payer	: Party A
Floating Rate Payer Notional Amount	: As set forth in Exhibit I, which is attached hereto and incorporated by reference into this Confirmation
Floating Rate Payer Payment Dates	: The last day of each month, commencing on 30 April 2020 and ending on the Termination Date, subject to adjustment in accordance with Modified Following Business Day Convention.
Floating Rate Initial Calculation Period	: From the Effective Date till 30 April 2020
Floating Rate for initial Calculation Period (excluding Spread)	: 0.8635 percent (net)
Relevant Rate:	: USD-LIBOR-BBA
Designated Maturity	: 1 month
Spread	: None
Reset Dates	: The first day of each Calculation Period
Floating Rate Payer Day Count Fraction	: Actual/360
Compounding	: Inapplicable
Business Days	: New York and London
Calculation Agent	: Party A or as otherwise specified in the Agreement

**Office(s):**

The office of Party A for the Swap Transaction is New York

**Account Details:**

**In USD**

Citibank, N.A. : As per Standard Settlement Instruction, or as otherwise advised separately.

Advanced Energy Industries, Inc. : As per Standard Settlement Instruction, or as otherwise advised separately.

**Please confirm that the forgoing correctly sets forth the terms of our agreement by having an authorized officer sign this Confirmation and return it via email to:**

Citibank, N.A.  
nyfderivconfirms@citi.com

Please direct all settlement inquiries to:

Citibank, N.A.  
otcderivsetts.nam@citi.com

**Citibank, N.A.**

By: /s/ Don Merritt

Name Merritt, Donald  
Title Vice President

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**Advanced Energy Industries, Inc.**

By: /s/ Chris Hanson

Name Chris Hanson  
Title VP Treasurer

4/6

Deal No: 83814443, Deal  
Alias: C47419468000, ID:  
29699917(1-1)

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## EXHIBIT I

For the Calculation Periods		Notional Amount (USD)
From and Including*	To but Excluding*	
The Effective Date	30-Apr-20	143,171,875
30-Apr-20	31-May-20	143,171,875
31-May-20	30-Jun-20	143,171,875
30-Jun-20	31-Jul-20	140,984,375
31-Jul-20	31-Aug-20	140,984,375
31-Aug-20	30-Sep-20	140,984,375
30-Sep-20	31-Oct-20	138,796,875
31-Oct-20	30-Nov-20	138,796,875
30-Nov-20	31-Dec-20	138,796,875
31-Dec-20	31-Jan-21	136,609,375
31-Jan-21	28-Feb-21	136,609,375
28-Feb-21	31-Mar-21	136,609,375
31-Mar-21	30-Apr-21	134,421,875
30-Apr-21	31-May-21	134,421,875
31-May-21	30-Jun-21	134,421,875
30-Jun-21	31-Jul-21	132,234,375
31-Jul-21	31-Aug-21	132,234,375
31-Aug-21	30-Sep-21	132,234,375
30-Sep-21	31-Oct-21	130,046,875
31-Oct-21	30-Nov-21	130,046,875
30-Nov-21	31-Dec-21	130,046,875
31-Dec-21	31-Jan-22	127,859,375
31-Jan-22	28-Feb-22	127,859,375
28-Feb-22	31-Mar-22	127,859,375
31-Mar-22	30-Apr-22	125,671,875
30-Apr-22	31-May-22	125,671,875

31-May-22	30-Jun-22	125,671,875
30-Jun-22	31-Jul-22	123,484,375
31-Jul-22	31-Aug-22	123,484,375
31-Aug-22	30-Sep-22	123,484,375
30-Sep-22	31-Oct-22	121,296,875
31-Oct-22	30-Nov-22	121,296,875
30-Nov-22	31-Dec-22	121,296,875
31-Dec-22	31-Jan-23	119,109,375
31-Jan-23	28-Feb-23	119,109,375
28-Feb-23	31-Mar-23	119,109,375
31-Mar-23	30-Apr-23	116,921,875
30-Apr-23	31-May-23	116,921,875
31-May-23	30-Jun-23	116,921,875
30-Jun-23	31-Jul-23	114,734,375
31-Jul-23	31-Aug-23	114,734,375
31-Aug-23	30-Sep-23	114,734,375
30-Sep-23	31-Oct-23	112,546,875
31-Oct-23	30-Nov-23	112,546,875
30-Nov-23	31-Dec-23	112,546,875
31-Dec-23	31-Jan-24	110,359,375
31-Jan-24	29-Feb-24	110,359,375
29-Feb-24	31-Mar-24	110,359,375
31-Mar-24	30-Apr-24	108,171,875
30-Apr-24	31-May-24	108,171,875
31-May-24	30-Jun-24	108,171,875
30-Jun-24	31-Jul-24	105,984,375
31-Jul-24	31-Aug-24	105,984,375
31-Aug-24	The Termination Date	105,984,375

\* All dates listed above, with the exception of the Effective Date, are subject to adjustment in accordance with the Modified Following Business Day Convention.