
Section 1: S-3ASR (FORM S-3ASR)

As filed with the Securities and Exchange Commission on November 26, 2018

Registration No. 333-

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

Form S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ROPER TECHNOLOGIES, INC.
(Exact Name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

51-0263969
(I.R.S. Employer
Identification Number)

**6901 Professional Parkway East,
Suite 200
Sarasota, Florida 34240
(941) 556-2601**

(Address, including zip code, and telephone number, including area code, of Registrant's Principal Executive Offices)

L. Neil Hunn
President and Chief Executive Officer
Roper Technologies, Inc.
**6901 Professional Parkway East,
Suite 200
Sarasota, Florida 34240
(941) 556-2601**

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

Copy to:

Joel T. May
Jones Day
1420 Peachtree Street, N.E.
Suite 800
Atlanta, GA 30309-3053
(404) 581-3939

Approximate date of commencement of proposed sale to the public: From time to time after this Registration Statement becomes effective.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

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 pursuant to Section 7(a)(2)(C) of Securities Act.

Title of Shares to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price per Unit(1)	Proposed Maximum Aggregate Offering Price(1)	Amount of registration fee(1)
Common Stock, \$0.01 Par Value				
Preferred Stock				
Debt Securities				
Warrants				
Purchase Contracts				
Units				

(1) An indeterminate amount of securities to be offered from time to time at indeterminate prices is being registered pursuant to this registration statement. The registrant is deferring payment of the registration fee pursuant to Rule 456(b) and is omitting this information in reliance on Rule 456(b) and Rule 457(r).



Roper Technologies, Inc.

The following are types of securities that may be offered and sold by Roper Technologies, Inc. or by selling security holders under this prospectus from time to time:

- Common stock
- Preferred stock
- Debt securities
- Warrants
- Purchase contracts
- Units

The securities may be offered by us or by selling security holders in amounts, at prices and on terms determined at the time of the offering. The securities may be sold directly to you, through agents, or through underwriters and dealers. If agents, underwriters or dealers are used to sell the securities, we will name them and describe their compensation in a prospectus supplement. You should read this prospectus, together with any applicable prospectus supplement, carefully before you invest.

We will describe in a prospectus supplement, which must accompany this prospectus, the securities we are offering and selling, as well as the specific terms of the securities. Those terms may include:

- Maturity
- Interest rate
- Currency of payments
- Dividends
- Redemption terms
- Listing on a security exchange
- Amount payable at maturity
- Conversion or exchange rights
- Liquidation amount
- Subsidiary guarantees
- Sinking fund terms

Our common stock is listed on the New York Stock Exchange under the ticker symbol ROP. On November 23, 2018, the reported last sale price on the New York Stock Exchange for our common stock was \$285.20 per share.

Investing in these securities involves certain risks. See “Item 1A-Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2017, which is incorporated by reference herein. We may include specific risk factors in an applicable prospectus supplement under the heading “Risk Factors.”

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is November 26, 2018

We have not, and the underwriters have not, authorized anyone to provide any information other than that contained or incorporated by reference in this prospectus or applicable prospectus supplement or free writing prospectus prepared by or on behalf of us or to which we have referred you. We and the underwriters take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We are not, and the underwriters are not, making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information contained in or incorporated by reference in this prospectus or an applicable prospectus supplement or free writing prospectus is accurate only as of their respective dates. Our business, financial condition, results of operations and prospects may have changed since those dates. Unless we have indicated otherwise, references in this prospectus to “Roper”, “we,” “us,” and “our” refer to Roper Technologies, Inc. and not to any of its existing or future subsidiaries.

ROPER TECHNOLOGIES, INC.

References in this section to “Roper,” the “Company,” “we,” “us” and “our” or similar terms are to Roper Technologies, Inc. and our consolidated subsidiaries.

Our Business

Roper is a diversified technology company. We operate businesses that design and develop software (both software-as-a-service and licensed) and engineered products and solutions for a variety of niche end markets.

We pursue consistent and sustainable growth in earnings and cash flow by emphasizing continuous improvement in the operating performance of our existing businesses and by acquiring other businesses that offer high value-added services, engineered products and solutions that we believe are capable of achieving growth and maintaining high margins. We compete in many niche markets and believe we are the market leader or a competitive alternative to the market leader in most of these markets.

Our Business Segments

Our operations are reported in four segments based upon common customers, markets, sales channels, technologies and common cost opportunities. The segments are: RF Technology, Medical and Scientific Imaging, Industrial Technology and Energy Systems and Controls.

RF Technology. Our RF Technology segment provides radio frequency identification communication (“RFID”) technology and software solutions that are used primarily in comprehensive management software, software-as-a-service, card systems/integrated security solutions, toll and traffic systems, RFID card readers, and metering and remote monitoring applications.

Medical & Scientific Imaging. Our Medical & Scientific Imaging segment offers products and software in medical applications and high performance digital imaging products.

Industrial Technology. Our Industrial Technology segment produces water meter and automatic meter reading products and systems, fluid handling pumps, and materials analysis equipment and consumables.

Energy Systems and Controls. Our Energy Systems and Controls segment principally produces control systems, fluid properties testing equipment, sensors, controls and valves, and non-destructive inspection and measurement instrumentation.

Our principal executive offices are located at 6901 Professional Parkway East, Suite 200, Sarasota, Florida 34240, and the telephone number is (941) 556-2601. We maintain a website at www.ropertech.com where general information about us is available. We are not incorporating the contents of the website into this prospectus.

About this Prospectus

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission (the “SEC”) utilizing a “shelf” registration process. Under this shelf process, we may sell any combination of the securities described in this prospectus in one or more offerings from time to time. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities registered under this shelf process, we will file with the SEC a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement together with additional information described under the heading “Where You Can Find More Information” carefully before you invest. This prospectus may not be used to make offers or sales of the securities described herein unless accompanied by a prospectus supplement.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. The SEC maintains an Internet site at <http://www.sec.gov> that contains reports, proxy statements and other information regarding issuers that file electronically with the SEC, including us.

As permitted by SEC rules, this prospectus does not contain all the information that you can find in the registration statement or the exhibits to that statement. The SEC allows us to “incorporate by reference” the information we file with them, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below, and all filings pursuant to Section 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), subsequently filed with the SEC prior to the termination of the offering under this prospectus (other than any portion of such filings that are furnished rather than filed under applicable SEC rules):

- (a) Annual Report on Form 10-K for the year ended December 31, 2017;
- (b) Quarterly Reports on Form 10-Q for the quarters ended March 31, 2018, June 30, 2018 and September 30 2018;
- (c) Current Reports on Form 8-K filed on February 2, 2018 (with respect to Item 5.02), April 9, 2018, June 8, 2018, August 14, 2018, August 24, 2018, August 28, 2018, September 19, 2018 and November 2, 2018; and
- (d) The portions of the Definitive Proxy Statement on Schedule 14A for the 2018 annual meeting of stockholders filed on April 30, 2018 that are incorporated by reference in the Annual Report on Form 10-K for the year ended December 31, 2017.

You may request a copy of these filings at no cost, by contacting our Investor Relations department by calling (941) 556-2601, by writing to Investor Relations, Roper Technologies, Inc., 6901 Professional Parkway East, Suite 200, Sarasota, Florida 34240 or by sending an email to investor-relations@ropertech.com.

SPECIAL NOTE ON FORWARD-LOOKING STATEMENTS

This prospectus and documents that are incorporated by reference in this prospectus include “forward-looking statements” within the meaning of the federal securities laws. In addition, we, or our executive officers on our behalf, may from time to time make forward-looking statements in reports and other documents we file with the SEC or in connection with oral statements made to the press, potential investors or others. All statements that are not historical facts are “forward-looking statements.” Forward-looking statements may be indicated by words or phrases such as “anticipate,” “estimate,” “plans,” “expects,” “projects,” “should,” “will,” “believes” or “intends” and similar words and phrases. These statements reflect management’s current beliefs and are not guarantees of future performance. They involve risks and uncertainties that could cause actual results to differ materially from those expressed or implied in any forward-looking statement.

Examples of forward-looking statements in this prospectus and documents incorporated by reference in this prospectus include but are not limited to statements regarding operating results, the success of our internal operating plans, our expectations regarding our ability to generate cash and reduce debt and associated interest expense, profit and cash flow expectations, the prospects for newly acquired businesses to be integrated and contribute to future growth and our expectations regarding growth through acquisitions. Important assumptions relating to the forward-looking statements include, among others, assumptions regarding demand for our products, the cost, timing and success of product upgrades and new product introductions, raw materials costs, expected pricing levels, expected outcomes of pending litigation, competitive conditions and general economic conditions. These assumptions could prove inaccurate. Although we believe that the estimates and projections reflected in the forward-looking statements are reasonable, our expectations may prove to be incorrect. Important factors that could cause actual results to differ materially from estimates or projections contained in the forward-looking statements include, but are not limited to:

- general economic conditions;
- difficulty making acquisitions and successfully integrating acquired businesses;
- any unforeseen liabilities associated with future acquisitions;
- limitations on our business imposed by our indebtedness;
- unfavorable changes in foreign exchange rates;
- difficulties associated with exports;
- risks and costs associated with our international sales and operations;
- rising interest rates;
- product liability and insurance risks;
- increased warranty exposure;
- future competition;
- the cyclical nature of some of our markets;
- reduction of business with large customers;
- risks associated with government contracts;
- changes in the supply of, or price for, labor, raw materials, parts and components;
- environmental compliance costs and liabilities;
- risks and costs associated with asbestos-related litigation;
- potential write-offs of our goodwill and other intangible assets;
- our ability to successfully develop new products;
- failure to protect our intellectual property;
- the effect of, or change in, government regulations (including tax);
- economic disruption caused by terrorist attacks, including cybersecurity threats, health crises or other unforeseen events; and
- the factors discussed in other reports filed with the SEC.

We believe these forward-looking statements are reasonable; however, you should not place undue reliance on any forward-looking statements, which are based on current expectations. Further, forward-looking statements speak only as of the date they are made, and we undertake no obligation to publicly update any of these statements in light of new information or future events.

USE OF PROCEEDS

We intend to use the net proceeds from the sale of securities issued pursuant to this registration statement for general corporate purposes which may include repaying debt, making capital investments and funding working capital requirements, or financing acquisitions. If we decide to use the net proceeds from a particular offering of securities for a specific purpose, we will describe that purpose and include any other relevant information in the related prospectus supplement.

DESCRIPTION OF CAPITAL STOCK

Our authorized capital stock consists of 350,000,000 shares of common stock, par value \$0.01 per share, and 1,000,000 shares of preferred stock, par value \$0.01 per share.

The following descriptions are summaries of the material terms of our restated certificate of incorporation, as amended (our “restated certificate of incorporation”), and our amended and restated by-laws. Reference is made to the more detailed provisions of, and the descriptions are qualified in their entirety by reference to, our restated certificate of incorporation and amended and restated by-laws, copies of which are filed with the SEC.

Common Stock

As of October 26, 2018, there were 103,430,854 shares of our common stock outstanding.

Listing. Our common stock is listed on the New York Stock Exchange under the symbol “ROP.” The transfer agent and registrar for the common stock is Wells Fargo Bank, N.A., Sioux Falls, South Dakota.

Voting. Each holder of shares of our common stock is entitled to one vote on each matter properly submitted to a vote of our stockholders.

Dividend Rights. Holders of shares of our common stock may receive dividends when declared by our board of directors out of our funds that we can legally use to pay dividends. We may pay dividends in cash, stock or other property. In certain cases, holders of common stock may not receive dividends until we have satisfied our obligations to holders of any outstanding preferred stock.

Liquidation. In the event of a liquidation, dissolution or winding up of our affairs, whether voluntary or involuntary, after payment of our liabilities and obligations to creditors, our remaining assets will be distributed ratably among the holders of shares of our common stock on a per share basis. If we have any preferred stock outstanding at such time, holders of shares of our preferred stock may be entitled to distribution and/or liquidation preferences. In either such case, we will need to pay the applicable distribution to the holders of our preferred stock before distributions are paid to the holders of our common stock.

Rights and Preferences. Our common stock has no preemptive, redemption, conversion, sinking fund, or subscription rights. The rights, powers, preferences and privileges of holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we may designate and issue in the future.

Fully Paid. All of our outstanding shares of common stock are fully paid and nonassessable, which means that the full purchase price for the outstanding shares of our common stock has been paid and the holders of such shares will not be assessed any additional monies for such shares. Any additional shares of our common stock that we may issue in the future pursuant to an offering under this prospectus will also be fully paid and nonassessable.

Preferred Stock

Under our restated certificate of incorporation, without further stockholder action, our board of directors is authorized, subject to any limitations prescribed by the law of the State of Delaware, to provide for the issuance of the up to 1,000,000 shares of preferred stock in one or more series, to establish from time to time the number of shares to be included in each such series, to fix the designation, powers, preferences and rights of the shares of each such series and any qualifications, limitations or restrictions thereof, and to increase or decrease the number of shares of any such series (but not below the number of shares of such series then outstanding).

Certain Anti-Takeover Effects of Delaware Law

General. Certain provisions of our restated certificate of incorporation, amended and restated by-laws and applicable law may make it less likely that our management would be changed or someone would acquire our company without the consent of our board of directors. These provisions may delay, deter or prevent tender offers or takeover attempts that stockholders may believe are in their best interests, including tender offers or takeover attempts that might allow stockholders to receive a premium over the market price of their common stock.

Preferred Stock. Under our restated certificate of incorporation, our board of directors can at any time, and without stockholder approval, issue one or more new series of preferred stock. In some cases, the issuance of preferred stock without stockholder approval could discourage or make more difficult attempts to take control of our company through a merger, tender offer, proxy contest or otherwise. Preferred stock with special voting rights or other features issued to persons favoring our management could stop a takeover by preventing the person trying to take control of our company from acquiring enough shares necessary to take control.

Proposal and Nominating Procedures. Stockholders can propose that business be considered at an annual meeting of stockholders, and, in addition to our board of directors, can nominate candidates for our board of directors. However, a stockholder must follow the advance notice procedures described in Section 1.08 of our amended and restated by-laws. In general, a stockholder must submit a written notice of the proposal and the stockholder's interest in the proposal, or of the nomination, to our corporate secretary at least 90 days and at most 120 days before the first anniversary date of the annual meeting for the preceding year.

Removal of Directors; Vacancies. Subject to the rights of holders of any outstanding series of preferred stock, any director may be removed from office at any time, with or without cause, only by the affirmative vote of the holders of at least a majority of the voting power of all of the shares of the corporation entitled to vote for the election of directors. Our amended and restated bylaws further provide that only our board of directors may fill vacant directorships, except in limited circumstances.

Elimination of Stockholder Action through Written Consent. Our restated certificate of incorporation provides that stockholder action can be taken only at an annual or special meeting of stockholders and cannot be taken by written consent in lieu of a meeting.

Elimination of the Ability to Call Special Meetings. Our amended and restated bylaws provide that special meetings of our stockholders can only be called by order of the board of directors or the executive committee. Stockholders are not authorized to call a special meeting or to require our board of directors to call a special meeting.

Amendment of By-laws. Under our restated certificate of incorporation and amended and restated by-laws, our board of directors can adopt, amend or repeal the by-laws by a majority vote of the directors then in office. Our stockholders also have the power to amend or repeal our amended and restated by-laws at any meeting at which a quorum is present by a vote of two-thirds of the number of shares of stock entitled to vote present in person or by proxy at such meeting.

Business Combination Statute. We are subject to Section 203 of the Delaware General Corporation Law. In general, Section 203 prohibits a publicly held Delaware corporation from engaging in various “business combination” transactions with any interested stockholder for a period of three years following the date of the transactions in which the person became an interested stockholder, unless:

- the transaction is approved by the board of directors prior to the date the interested stockholder obtained such status;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced; or
- on or subsequent to such date the business combination is approved by the board and authorized at an annual or special meeting of stockholders by the affirmative vote of at least 66 2/3% of the outstanding voting stock which is not owned by the interested stockholder.

A “business combination” is defined to include mergers, asset sales, and other transactions resulting in financial benefit to a stockholder. In general, an “interested stockholder” is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of a corporation’s voting stock. The statute could prohibit or delay mergers or other takeover or change in control attempts with respect to our company and, accordingly, may discourage attempts to acquire us even though such a transaction may offer our stockholders the opportunity to sell their stock at a price above the prevailing market price.

DESCRIPTION OF DEBT SECURITIES

This prospectus describes certain general terms and provisions of the debt securities referenced in this prospectus. The debt securities will be issued under the indenture (the “Indenture”), dated as of November 26, 2018, between Roper Technologies, Inc. and Wells Fargo Bank, National Association, as trustee (the “Trustee”), in one or more series established from time to time in or pursuant to a board resolution and set forth in an officer’s certificate or supplemental indenture. When we offer to sell a particular series of debt securities, we will describe the specific terms for the securities in a supplement to this prospectus. The prospectus supplement will also indicate whether the general terms and provisions described in this prospectus apply to a particular series of debt securities.

The following is a summary of the material provisions of the Indenture. It does not include all of the provisions of the Indenture. We urge you to read the Indenture because it defines your rights. The terms of the debt securities include those stated in the Indenture and those made part of the Indenture by reference to the Trust Indenture Act of 1939, as amended (the “TIA”). A copy of the Indenture may be obtained from us. You can find definitions of certain capitalized terms used in this description under “—Certain Definitions.”

General

The Indenture does not limit the amount of debt securities which we may issue. We have the right to “reopen” a previous issue of a series of debt securities by issuing additional debt securities of such series; provided, however, that if any additional debt securities are not fungible with the debt securities previously issued for U.S. federal income tax purposes, the additional debt securities will have a separate CUSIP or other identifying number. We may issue debt securities up to an aggregate principal amount as we may authorize from time to time. The debt securities will be our unsecured obligations and will rank equally with all of our other unsecured and unsubordinated debt from time to time outstanding. Our secured debt, if any, will be effectively senior to the debt securities to the extent of the value of the assets securing such debt. The debt securities will be exclusively our obligations and not of our subsidiaries and therefore the debt securities will be structurally subordinate to the debt and liabilities of any of our subsidiaries. The prospectus supplement will describe the terms of any debt securities being offered, including:

- the title;
- any limit upon the aggregate principal amount;
- the date or dates on which the principal is payable;

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- the rate or rates (which may be fixed or variable) at which the debt securities shall bear interest, if any, or the method by which such rate shall be determined (including, but not limited to, any commodity, commodity index, stock exchange index or financial index);
 - the date or dates from which interest shall accrue;
 - the date or dates on which interest shall be payable;
 - the record dates for the determination of holders to whom interest is payable;
 - the right, if any, to extend the interest payment periods and the duration of such extension;
 - the place or places where the principal of and any interest shall be payable;
 - the price or prices at which, the period or periods within which and the terms and conditions upon which debt securities may be redeemed;
 - our obligation, if any, to redeem, purchase or repay the debt securities pursuant to any sinking fund or otherwise or at the option of a holder thereof;
 - if applicable, the price or prices at which and the period or periods within which and the terms and conditions upon which the debt securities shall be redeemed, purchased or repaid, in whole or in part;
 - if other than denominations of \$1,000 and any multiple thereof, the denominations in which the debt securities of the series shall be issuable;
 - the percentage of the principal amount at which the debt securities will be issued and, if other than the principal amount thereof, the portion of such principal amount which shall be payable upon declaration of acceleration of the maturity thereof or provable in bankruptcy;
 - whether the debt securities are issuable as global securities or definitive certificates and, in such case, the identity for the depositary;
 - any deletion from, modification of or addition to the events of default or covenants;
 - any provisions granting special rights to holders when a specified event occurs;
 - whether and under what circumstances we will pay additional amounts on the debt securities held by a person who is not a U.S. person in respect of any tax, assessment or governmental charge withheld or deducted;
 - any special tax implications of the debt securities;
 - any trustees, authenticating or paying agents, transfer agents or registrars or any other agents with respect to the debt securities;
 - any guarantor or co-issuer;
 - any special interest premium or other premium;
 - whether the debt securities are convertible or exchangeable into common stock or other of our equity securities and the terms and conditions upon which such conversion or exchange shall be effected;
 - the currency in which payments shall be made, if other than U.S. dollars; and
 - any and all other terms of the debt securities of the applicable series.

Limitation on Mergers and Other Transactions

We may not merge or consolidate with any other person or persons (whether or not affiliated with us), and we may not sell, convey, transfer, lease or otherwise dispose of all or substantially all of our property or assets to any other person or persons (whether or not affiliated with us), unless the following conditions are satisfied:

- either (a) the transaction is a merger or consolidation, and we are the surviving entity; or (b) the successor person (or the person which acquires by sale, conveyance, transfer or lease all or substantially all of our property or assets) is organized under the laws of the United States, any state thereof or the District of Columbia and expressly assumes, by a supplemental indenture satisfactory to the Trustee, all of our obligations under the debt securities and the Indenture;
- immediately after giving effect to the transaction and treating our obligations in connection with or as a result of such transaction as having been incurred as of the time of such transaction, no Default or Event of Default shall have occurred and be continuing under the Indenture; and
- an officer's certificate is delivered to the Trustee to the effect that both of the conditions set forth above have been satisfied and an opinion of counsel has been delivered to the Trustee to the effect that the condition in the first bullet set forth above has been satisfied.

The restrictions in the second and third bullets above shall not be applicable to:

- the merger or consolidation of us with an affiliate of ours if our board of directors determines in good faith that the purpose of such transaction is principally to change our state of incorporation or convert our form of organization to another form; or
- the merger of us with or into a single direct or indirect wholly owned subsidiary of ours pursuant to Section 251(g) (or any successor provision) of the Delaware General Corporation Law.

In the case of any such consolidation, merger, sale, transfer or other conveyance, but not a lease, in a transaction in which there is a successor entity, the successor entity will succeed to, and be substituted for, us under the Indenture and, subject to the terms of the Indenture, we will be released from the obligation to pay principal and interest on the debt securities and all obligations under the Indenture.

For purposes of the foregoing, if we consummate a Holding Company Reorganization, the newly formed holding company (New HoldCo, as defined below) shall be treated as the "successor person" and the Holding Company Reorganization shall constitute the transfer to New HoldCo of substantially all of our assets.

The Indenture provides that upon completion of the Holding Company Reorganization, Roper will be discharged from all obligations and covenants under the indenture and the Notes and New HoldCo will be the sole obligor on the debt securities.

"*Holding Company Reorganization*" shall mean a merger with and into a newly formed wholly-owned, indirect subsidiary ("MergerCo"), all of the equity interests of which shall be held by a newly formed wholly-owned, direct subsidiary ("New HoldCo") of Roper, all of the equity interests of which shall be initially be held by Roper. Such merger shall be pursuant to Section 251(g) (or any successor provision) of the Delaware General Corporation Law and shall not require the vote of our stockholders. Each of our shares of common stock shall be converted into a right to receive one share of New HoldCo common stock, with identical terms and rights as our common stock immediately prior to such conversion.

Reports to Holders

The Indenture provides that any document or report that we are required to file with the SEC pursuant to Section 13 or 15(d) of the Exchange Act will be filed with the Trustee within 15 days after such document or report is filed with the SEC.

Events of Default

The following events are defined in the Indenture as “Events of Default” with respect to debt securities:

- (1) the failure to pay interest on any debt securities when the same becomes due and payable and the Default continues for a period of 60 days;
- (2) the failure to pay the principal (or premium, if any) of any debt securities, when such principal becomes due and payable, at maturity, upon acceleration, upon redemption or otherwise;
- (3) a Default in the performance, or breach, of our obligations under the “—Limitation on Mergers and Other Transactions” covenant described above;
- (4) a Default in the observance or performance of any other covenant or agreement contained in the Indenture which Default continues for a period of 60 days after we receive written notice specifying the Default (and demanding that such Default be remedied) from the Trustee or the Holders of at least a majority of the outstanding principal amount of each series of debt securities affected, voting together as a single class;
- (5) (a) a failure to make any payment at maturity on any of our Indebtedness (other than Indebtedness owing to any of our Subsidiaries) outstanding in an amount in excess of \$150 million or its foreign currency equivalent at the time and continuance of this failure to pay after any applicable grace period or (b) a default on any of our Indebtedness (other than Indebtedness owing to any of our Subsidiaries), which default results in the acceleration of such Indebtedness in an amount in excess of \$150 million or its foreign currency equivalent at the time without such Indebtedness having been discharged or the acceleration having been cured, waived, rescinded or annulled, in the case of clause (a) or (b) above; provided, however, that if any failure, default or acceleration referred to in clauses 5(a) or (b) ceases or is cured, waived, rescinded or annulled, then the Event of Default under the Indenture will be deemed cured; or
- (6) certain events of bankruptcy or insolvency affecting us or any of our Significant Subsidiaries.

If an Event of Default (other than an Event of Default specified in clause (6) above), shall occur and be continuing, the Trustee or the Holders of at least 25% of the principal amount of each series of debt securities affected, voting together as a single class, may declare the principal of and accrued interest on all such debt securities to be due and payable by notice in writing to us and the Trustee specifying the respective Event of Default and that it is a “notice of acceleration”, and the same shall become immediately due and payable.

Notwithstanding the foregoing, if an Event of Default specified in clause (6) above occurs and is continuing, then all unpaid principal of and premium, if any, and accrued and unpaid interest on all debt securities shall automatically become and be immediately due and payable without any declaration or other act on the part of the Trustee or any Holder.

The Indenture provides that, at any time after a declaration of acceleration with respect to one or more series of debt securities as described in the preceding paragraph, the Holders of a majority in principal amount of each series of debt securities affected, voting together as a single class, (including additional debt securities of each such series, if any) may rescind and cancel such declaration and its consequences if:

- (1) the rescission would not conflict with any judgment or decree;

(2) all existing Events of Default have been cured or waived except nonpayment of principal or interest that has become due solely because of the acceleration;

(3) to the extent the payment of such interest is lawful, interest on overdue installments of interest and overdue principal, which has become due otherwise than by such declaration of acceleration, has been paid;

(4) we have paid the Trustee its reasonable compensation and reimbursed the Trustee for its expenses, disbursements and advances; and

(5) in the event of the cure or waiver of an Event of Default of the type described in clause (6) of the description above of Events of Default, the Trustee shall have received an officer's certificate and an opinion of counsel that such Event of Default has been cured or waived.

No such rescission shall affect any subsequent Event of Default or impair any right consequent thereto.

The Holders of a majority in principal amount of the debt securities of each series affected, voting together as a single class, (including additional debt securities of each such series, if any) may waive any existing Default or Event of Default under the Indenture, and its consequences, except a Default in the payment of the principal of or interest on any debt securities of a series.

The Holders may not enforce the Indenture except as provided in the Indenture and under the TIA. Subject to the provisions of the Indenture relating to the duties of the Trustee, the Trustee is under no obligation to exercise any of its rights or powers under the Indenture at the request, order or direction of any of the Holders, unless such Holders have offered to the Trustee reasonable indemnity. Subject to all provisions of the Indenture and applicable law, the Holders of a majority in aggregate principal amount of each series of debt securities affected that is then outstanding, voting together as a single class, will have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or exercising any trust or power conferred on the Trustee. Nothing herein shall impair the right of a Holder to institute suit for the enforcement of any payment on or with respect to the debt securities.

We will be required to provide an officer's certificate to the Trustee promptly upon any such officer obtaining knowledge of any Default or Event of Default (provided that such officers shall provide such certification at least annually whether or not they know of any Default or Event of Default) that has occurred and, if applicable, describe such Default or Event of Default and the status thereof.

No Personal Liability of Directors, Officers, Employees, Incorporator and Stockholders

No director, officer, employee, incorporator, agent, stockholder or affiliate of us or any of our Subsidiaries, as such, shall have any liability for any obligations of us or any of our Subsidiaries under the debt securities or the Indenture or for any claim based on, in respect of, or by reason of, such obligations or their creation. Each Holder of the securities by accepting a note waives and releases all such liability. This waiver and release are part of the consideration for issuance of the debt securities.

Legal Defeasance and Covenant Defeasance

We may, at our option and at any time, elect to have our obligations discharged with respect to the outstanding debt securities of a series ("Legal Defeasance"). Such Legal Defeasance means that we shall be deemed to have paid and discharged the entire indebtedness represented by the outstanding debt securities of a series, except for:

(1) the rights of Holders to receive payments in respect of the principal of, premium, if any, and interest on the debt securities when such payments are due;

(2) our obligations with respect to the debt securities concerning issuing temporary notes, registration of notes, mutilated, destroyed, lost or stolen notes and the maintenance of an office or agency for payments;

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- (3) the rights, powers, trust, duties and immunities of the Trustee and our obligations in connection therewith; and
 - (4) the Legal Defeasance provisions of the Indenture.

In addition, we may, at our option and at any time, elect to have our obligations released with respect to certain covenants that are described in the Indenture (“Covenant Defeasance”) and thereafter any omission to comply with such obligations shall not constitute a Default or Event of Default with respect to the applicable series of debt securities. In the event Covenant Defeasance occurs, certain events (not including non-payment, bankruptcy, receivership, reorganization and insolvency events) described under “—Events of Default” will no longer constitute an Event of Default with respect to the debt securities.

In order to exercise either Legal Defeasance or Covenant Defeasance with respect to the debt securities of a series:

- (1) we must irrevocably deposit with the Trustee, in trust, for the benefit of the Holders cash in U.S. dollars, non-callable U.S. government obligations, or a combination thereof, in such amounts as will be sufficient, in the opinion of a nationally recognized firm of independent public accountants, to pay the principal of, premium, if any, and interest on the debt securities on the stated date for payment thereof or on the applicable Redemption Date, as the case may be;
- (2) in the case of Legal Defeasance, we must deliver to the Trustee an opinion of counsel in the United States reasonably acceptable to the Trustee confirming that:
 - (a) we have received from, or there has been published by, the Internal Revenue Service a ruling; or
 - (b) since the date of the Indenture, there has been a change in the applicable federal income tax law,

in either case to the effect that, and based thereon such opinion of counsel shall confirm that, the Holders will not recognize income, gain or loss for federal income tax purposes as a result of such Legal Defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such Legal Defeasance had not occurred;

(3) in the case of Covenant Defeasance, we must deliver to the Trustee an opinion of counsel in the United States reasonably acceptable to the Trustee confirming that the Holders will not recognize income, gain or loss for federal income tax purposes as a result of such Covenant Defeasance and will be subject to federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such Covenant Defeasance had not occurred;

(4) no Default or Event of Default shall have occurred and be continuing on the date of such deposit (other than a Default or an Event of Default resulting from the borrowing of funds to be applied to such deposit and the grant of any Lien securing such borrowings);

(5) such Legal Defeasance or Covenant Defeasance shall not result in a breach or violation of, or constitute a Default under the Indenture (other than a Default or an Event of Default resulting from the borrowing of funds to be applied to such deposit and the grant of any Lien securing such borrowings) or any other material agreement or instrument to which we or any of our Subsidiaries is a party or by which we or any of our Subsidiaries is bound;

(6) we must deliver to the Trustee an officer’s certificate and an opinion of counsel, each stating that all conditions precedent provided for or relating to the Legal Defeasance or the Covenant Defeasance have been complied with; and

(7) certain other customary conditions precedent are satisfied.

Satisfaction and Discharge

The Indenture will be discharged and will cease to be of further effect (except as to surviving rights or registration of transfer or exchange of the applicable series of the debt securities, as expressly provided for in the Indenture) as to all outstanding debt securities of a series, when:

(1) either:

(A) all of the applicable series of the debt securities theretofore authenticated and delivered (except lost, stolen or destroyed notes which have been replaced or paid and notes for whose payment money has theretofore been deposited in trust or segregated and held in trust by us and thereafter repaid to us or discharged from such trust) have been delivered to the Trustee for cancellation; or

(B) all of the applicable series of debt securities not theretofore delivered to the Trustee for cancellation (1) have become due and payable or (2) will become due and payable within one year, or are to be called for redemption within one year, under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of us, and we have irrevocably deposited or caused to be deposited with the Trustee funds in an amount sufficient to pay and discharge the entire Indebtedness on the applicable series of debt securities not theretofore delivered to the Trustee for cancellation, for principal of, premium, if any, and interest on the applicable series of debt securities to the date of deposit together with irrevocable instructions from us directing the Trustee to apply such funds to the payment thereof at maturity or redemption, as the case may be;

(2) we have paid all other sums payable under the Indenture by us; and

(3) we have delivered to the Trustee an officer's certificate and an opinion of counsel stating that all conditions precedent under the Indenture relating to the satisfaction and discharge of the Indenture have been complied with.

Modification of the Indenture

From time to time, we and the Trustee, without the consent of the Holders, may amend the Indenture and the applicable series of debt securities for certain specified purposes, including:

(1) to cure any ambiguity, defect or inconsistency;

(2) to provide for uncertificated notes in addition to or in place of certificated notes;

(3) to comply with the provisions described under “—Limitation on Mergers and Other Transactions”;

(4) to comply with the requirements of the SEC in order to effect or maintain the qualification of the Indenture under the Trust Indenture Act;

(5) to evidence and provide for the acceptance of appointment by a successor Trustee;

(6) to conform the text of the Indenture or the debt securities to any provision of this “Description of Debt Securities” or other description of the debt securities contained in the prospectus supplement relating to the offer and sale of such debt securities;

(7) to establish the form or terms of the debt securities of any series as permitted by the terms of the Indenture;

(8) to provide for the assumption by a successor corporation, partnership, trust or limited liability company of our obligations under the Indenture, in each case in compliance with the provisions thereof; or

(9) to make any change that would provide any additional rights or benefits to the Holders of the debt securities (including to secure the debt securities, add guarantees with respect thereto, to add to our covenants for the benefit of the Holders or to surrender any right or power conferred upon us) or that does not adversely affect the legal rights under the Indenture of any Holder of the debt securities in any material respect.

In formulating its opinion on such matters, the Trustee will be entitled to rely on such evidence as it deems appropriate, including, without limitation, solely on an opinion of counsel. Other modifications and amendments of the Indenture may be made with the consent of the Holders of either (i) a majority in principal amount of all then outstanding debt securities of that series or (ii) a majority in principal amount of all then outstanding debt securities affected by such modification or amendment (including additional debt securities of each series affected, if any), voting together as a single class, except that, without the consent of each Holder affected thereby, no amendment may:

- (1) reduce the principal amount of debt securities at maturity whose Holders must consent to an amendment;
- (2) reduce the rate of, change or have the effect of changing the time for payment of interest, including defaulted interest, on any debt securities;
- (3) reduce the principal of, change or have the effect of changing the fixed maturity of any debt securities, or change the date on which any debt securities may be subject to redemption or repurchase or reduce the redemption price or repurchase price therefor;
- (4) make any debt securities payable in currency other than that stated in the debt securities or change the place of payment of the debt securities from that stated in the debt securities or in the Indenture;
- (5) make any change in provisions of the Indenture protecting the right of each Holder to receive payment of principal of and interest on such debt securities on or after the due date thereof or to bring suit to enforce such payment, or permitting Holders of a majority in principal amount of each series of debt securities affected (including additional debt securities of each such series, if any) to waive Defaults or Events of Default;
- (6) make any change in these amendment and waiver provisions; or
- (7) make any change to or modify the ranking of the debt securities that would adversely affect the Holders.

Except for certain specified provisions, the Holders of at least a majority in principal amount of all then outstanding debt securities of any series (voting together as a single class) may on behalf of the Holders of all debt securities of that series waive our compliance with provisions of the indenture. The Holders of a majority in aggregate principal amount of any then outstanding debt securities of any series (voting together as a single class) may on behalf of the Holders of all the debt securities of such series waive any existing default under the indenture with respect to that series and its consequences, except a continuing default or default in the payment of the principal of, or premium or any interest on, any debt security of that series or in respect of a covenant or provision, which cannot be modified or amended without the consent of all of the holders of each outstanding debt security of the series affected; *provided, however*, that the Holders of a majority in aggregate principal amount of any then outstanding debt securities of any series may rescind an acceleration and its consequences, including any related payment default that resulted from the acceleration.

The Trustee

The Indenture provides that, except during the continuance of an Event of Default, the Trustee will perform only such duties as are specifically set forth in the Indenture. During the existence of an Event of Default, the Trustee will exercise such rights and powers vested in it by the Indenture, and use the same degree of care and skill in its exercise as a prudent person would exercise or use under the circumstances in the conduct of its own affairs.

The Indenture and the provisions of the TIA contain certain limitations on the rights of the Trustee, should it become a creditor of us, to obtain payments of claims in certain cases or to realize on certain property received in respect of any such claim as security or otherwise. Subject to the TIA, the Trustee will be permitted to engage in other transactions; provided that if the Trustee acquires any conflicting interest as described in the TIA, it must eliminate such conflict or resign.

Certain Definitions

Set forth below is a summary of certain of the defined terms used in the Indenture. Reference is made to the Indenture for the definition of all terms used herein for which no definition is provided.

“*Default*” means an event or condition the occurrence of which is, or with the lapse of time or the giving of notice or both would be, an Event of Default.

“*Indebtedness*” means with respect to any person, without duplication:

- (1) all obligations of such person for borrowed money; and
- (2) all obligations of such person evidenced by bonds, debentures, notes or other similar instruments.

“*Issue Date*” means the date of original issuance of a series of debt securities but not any additional debt securities.

“*Lien*” means any lien, mortgage, deed of trust, hypothecation, pledge, security interest, charge or encumbrance of any kind.

“*Significant Subsidiary*”, with respect to any person, means, any Subsidiary of such person that satisfies the criteria for a “significant subsidiary” as set forth in Rule 1-02(w) of Regulation S-X under the Exchange Act.

“*Subsidiary*” means any corporation, limited liability company, limited partnership or other similar type of business entity in which we and/or one or more of our Subsidiaries together own more than 50% of the total voting power of shares of Capital Stock entitled (without regard to the occurrence of any contingency) to vote in the election of the board of directors or similar governing body of such corporation, limited liability company, limited partnership or other similar type of business entity, directly or indirectly.

Unclaimed Funds

All funds deposited with the Trustee or any paying agent for the payment of principal, interest, premium or additional amounts in respect of the debt securities that remain unclaimed for two years after the maturity date of such debt securities will be repaid to us upon our request. Thereafter, any right of any noteholder to such funds shall be enforceable only against us, and the Trustee and paying agents will have no liability therefor.

Governing Law

The Indenture and the debt securities for all purposes shall be governed by and construed in accordance with the laws of the State of New York.

Concerning Our Relationship with the Trustee

We maintain ordinary banking relationships and credit facilities with affiliates of Wells Fargo Bank, National Association.

DESCRIPTION OF WARRANTS

We may issue warrants to purchase our debt or equity securities or securities of third parties or other rights, including rights to receive payment in cash or securities based on the value, rate or price of one or more specified commodities, currencies, securities or indices, or any combination of the foregoing. Warrants may be issued independently or together with any other securities and may be attached to, or separate from, such securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a warrant agent. The terms of any warrants to be issued and a description of the material provisions of the applicable warrant agreement will be set forth in the applicable prospectus supplement.

DESCRIPTION OF PURCHASE CONTRACTS

We may issue purchase contracts for the purchase or sale of:

- debt or equity securities issued by us or securities of third parties, a basket of such securities, an index or indices or such securities or any combination of the above as specified in the applicable prospectus supplement;
- currencies; or
- commodities.

Each purchase contract will entitle the holder thereof to purchase or sell, and obligate us to sell or purchase, on specified dates, such securities, currencies or commodities at a specified purchase price, which may be based on a formula, all as set forth in the applicable prospectus supplement. We may, however, satisfy our obligations, if any, with respect to any purchase contract by delivering the cash value of such purchase contract or the cash value of the property otherwise deliverable or, in the case of purchase contracts on underlying currencies, by delivering the underlying currencies, as set forth in the applicable prospectus supplement. The applicable prospectus supplement will also specify the methods by which the holders may purchase or sell such securities, currencies or commodities and any acceleration, cancellation or termination provisions or other provisions relating to the settlement of a purchase contract.

The purchase contracts may require us to make periodic payments to the holders thereof or vice versa, which payments may be deferred to the extent set forth in the applicable prospectus supplement, and those payments may be unsecured or prefunded on some basis. The purchase contracts may require the holders thereof to secure their obligations in a specified manner to be described in the applicable prospectus supplement. Alternatively, purchase contracts may require holders to satisfy their obligations thereunder when the purchase contracts are issued. Our obligation to settle such pre-paid purchase contracts on the relevant settlement date may constitute indebtedness.

DESCRIPTION OF UNITS

As specified in the applicable prospectus supplement, we may issue units consisting of one or more warrants, debt securities, shares of preferred stock, shares of common stock, purchase contracts or any combination of such securities.

FORMS OF SECURITIES

Each debt security, warrant and unit will be represented either by a certificate issued in definitive form to a particular investor or by one or more global securities representing the entire issuance of securities. Certificated securities in definitive form and global securities will be issued in registered form. Definitive securities name you or your nominee as the owner of the security, and in order to transfer or exchange these securities or to receive payments other than interest or other interim payments, you or your nominee must physically deliver the securities to the trustee, registrar, paying agent or other agent, as applicable. Global securities name a depositary or its nominee as the owner of the debt securities, warrants or units represented by these global securities. The depositary maintains a computerized system that will reflect each investor's beneficial ownership of the securities through an account maintained by the investor with its broker/dealer, bank, trust company or other representative, as we explain more fully below.

Global Securities

We may issue the registered debt securities, warrants and units in the form of one or more fully registered global securities that will be deposited with a depository or its nominee identified in the applicable prospectus supplement and registered in the name of that depository or nominee. In those cases, one or more registered global securities will be issued in a denomination or aggregate denominations equal to the portion of the aggregate principal or face amount of the securities to be represented by registered global securities. Unless and until it is exchanged in whole for securities in definitive registered form, a registered global security may not be transferred except as a whole by and among the depository for the registered global security, the nominees of the depository or any successors of the depository or those nominees.

If not described below, any specific terms of the depository arrangement with respect to any securities to be represented by a registered global security will be described in the prospectus supplement relating to those securities. We anticipate that the following provisions will apply to all depository arrangements.

Ownership of beneficial interests in a registered global security will be limited to persons, called participants, that have accounts with the depository or persons that may hold interests through participants. Upon the issuance of a registered global security, the depository will credit, on its book-entry registration and transfer system, the participants' accounts with the respective principal or face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the securities will designate the accounts to be credited. Ownership of beneficial interests in a registered global security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the depository, with respect to interests of participants, and on the records of participants, with respect to interests of persons holding through participants. The laws of some states may require that some purchasers of securities take physical delivery of these securities in definitive form. These laws may impair your ability to own, transfer or pledge beneficial interests in registered global securities.

So long as the depository, or its nominee, is the registered owner of a registered global security, that depository or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the registered global security for all purposes under the applicable indenture, warrant agreement or unit agreement. Except as described below, owners of beneficial interests in a registered global security will not be entitled to have the securities represented by the registered global security registered in their names, will not receive or be entitled to receive physical delivery of the securities in definitive form and will not be considered the owners or holders of the securities under the applicable indenture, warrant agreement or unit agreement. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depository for that registered global security and, if that person is not a participant, on the procedures of the participant through which the person owns its interest, to exercise any rights of a holder under the applicable indenture, warrant agreement or unit agreement. We understand that under existing industry practices, if we request any action of holders or if an owner of a beneficial interest in a registered global security desires to give or take any action that a holder is entitled to give or take under the applicable indenture, warrant agreement or unit agreement, the depository for the registered global security would authorize the participants holding the relevant beneficial interests to give or take that action, and the participants would authorize beneficial owners owning through them to give or take that action or would otherwise act upon the instructions of beneficial owners holding through them.

Principal, premium, if any, and interest payments on debt securities, and any payments to holders with respect to warrants or units, represented by a registered global security registered in the name of a depository or its nominee will be made to the depository or its nominee, as the case may be, as the registered owner of the registered global security. None of Roper, the trustee, any warrant agent, unit agent or any other agent of Roper, agent of the trustee or agent of such warrant agent or unit agent will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered global security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

We expect that the depositary for any of the securities represented by a registered global security, upon receipt of any payment of principal, premium, interest or other distribution of underlying securities or other property to holders on that registered global security, will immediately credit participants' accounts in amounts proportionate to their respective beneficial interests in that registered global security as shown on the records of the depositary. We also expect that payments by participants to owners of beneficial interests in a registered global security held through participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of those participants.

If the depositary for any of these securities represented by a registered global security is at any time unwilling or unable to continue as depositary or ceases to be a clearing agency registered under the Exchange Act, and a successor depositary registered as a clearing agency under the Exchange Act is not appointed by us within 90 days, we will issue securities in definitive form in exchange for the registered global security that had been held by the depositary. Any securities issued in definitive form in exchange for a registered global security will be registered in the name or names that the depositary gives to the relevant trustee, warrant agent, unit agent or other relevant agent of ours or theirs. It is expected that the depositary's instructions will be based upon directions received by the depositary from participants with respect to ownership of beneficial interests in the registered global security that had been held by the depositary. In addition, we may at any time determine that the Securities of any series shall no longer be represented by a Global Security and will issue securities in definitive form in exchange for such Global Security pursuant to the procedure described above.

PLAN OF DISTRIBUTION

We or selling security holders may sell the securities being offered hereby in the following manner or any manner specified in a prospectus supplement:

- directly to one or more purchasers;
- through agents;
- through underwriters;
- through dealers;
- through any combination of the above; or
- through any other method described in the applicable prospectus supplement.

The distribution of the securities being offered hereby may be effected, from time to time, in one or more transactions, including:

- block transactions (which may involve crosses) and transactions on any organized market where our common stock may be traded;
- purchases by a dealer as principal and resale by the dealer for its own account pursuant to a prospectus supplement;
- ordinary brokerage transactions and transactions in which a dealer solicits purchasers;
- sales "at the market" to or through a market maker or into an existing trading market, on an exchange or otherwise;
- sales in other ways not involving market makers or established trading markers, including direct sales to purchasers; and
- in any other manner described in the applicable prospectus supplement.

We may distribute the securities being offered hereby from time to time in one or more transactions at:

- fixed price or prices, which may be changed from time to time;
- market prices prevailing at the time of sale;
- prices related to the prevailing market prices;
- negotiated prices; or
- prices determined according to the process described in the applicable prospectus supplement.

The prospectus supplement with respect to any offering of securities will set forth the terms of the offering, including:

- the name or names of any underwriters, dealers or agents;
- the purchase price of the securities and the proceeds to us from the sale;
- any underwriting discounts and commissions or agency fees and other items constituting underwriters' or agents' compensation;
- any initial public offering price and any discounts or concessions allowed or reallocated or paid to dealers; and
- any delayed delivery arrangements.

If any securities are sold pursuant to this prospectus by any persons other than us, we will, in a prospectus supplement, name the selling security holders, indicate the nature of any relationship such holders have had to us or any of our affiliates during the three years preceding such offering, state the amount of securities of the class owned by such security holder prior to the offering and the amount to be offered for the security holder's account, and state the amount and (if one percent or more) the percentage of the class to be owned by such security holder after completion of the offering.

We or any selling security holder may directly solicit offers to purchase securities, or agents may be designated to solicit such offers. We will, in the prospectus supplement relating to such offering, name any agent that could be viewed as an underwriter under the Securities Act of 1933, as amended (the "Securities Act") and describe any commissions that we or any selling security holder must pay. Any such agent will be acting on a best efforts basis for the period of its appointment or, if indicated in the applicable prospectus supplement, on a firm commitment basis. Agents, dealers and underwriters may be customers of, engage in transactions with, or perform services for us in the ordinary course of business.

If any underwriters or agents are utilized in the sale of the securities in respect of which this prospectus is delivered, we and, if applicable, any selling security holder will enter into an underwriting agreement or other agreement with them at the time of sale to them, and we will set forth in the prospectus supplement relating to such offering the names of the underwriters or agents and the terms of the related agreement with them.

If a dealer is utilized in the sale of the securities in respect of which the prospectus is delivered, we will sell such securities to the dealer, as principal. The dealer may then resell such securities to the public at varying prices to be determined by such dealer at the time of resale.

Remarketing firms, agents, underwriters and dealers may be entitled under agreements which they may enter into with us to indemnification by us and by any selling security holder against certain civil liabilities, including liabilities under the Securities Act, and may be customers of, engage in transactions with or perform services for us in the ordinary course of business.

In order to facilitate the offering of the securities, any underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of the securities or any other securities the prices of which may be used to determine payments on such securities. Specifically, any underwriters may overallocate in connection with the offering, creating a short position for their own accounts. In addition, to cover overallocations or to stabilize the price of the securities or of any such other securities, the underwriters may bid for, and purchase, the securities or any such other securities in the open market. Finally, in any offering of the securities through a syndicate of underwriters, the underwriting syndicate may reclaim selling concessions allowed to an underwriter or a dealer for distributing the securities in the offering if the syndicate repurchases previously distributed securities in transactions to cover syndicate short positions, in stabilization transactions or otherwise. Any of these activities may stabilize or maintain the market price of the securities above independent market levels. Any such underwriters are not required to engage in these activities and may end any of these activities at any time.

LEGAL MATTERS

The validity of the securities in respect of which this prospectus is being delivered will be passed on for us by Jones Day, Atlanta, Georgia.

EXPERTS

The financial statements and management's assessment of the effectiveness of internal control over financial reporting (which is included in Management's Report on Internal Control over Financial Reporting) incorporated in this prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2017 have been so incorporated in reliance on the report (which contains an explanatory paragraph on the effectiveness of internal control over financial reporting due to the exclusion of certain elements of the internal control over financial reporting of the businesses the registrant acquired during fiscal year 2017) of PricewaterhouseCoopers LLP, an independent registered certified public accounting firm, given on the authority of said firm as experts in auditing and accounting.

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution

The following table sets forth the costs and expenses payable by us in connection with the sale of the securities being registered hereby.

	Amount to be Paid
Registration fee	\$ *
Printing	**
Legal fees and expenses (including Blue Sky fees)	**
Trustee fees	**
Rating agency fees	**
Accounting fees and expenses	**
Miscellaneous	**
TOTAL	**

* Omitted because the registration fee is being deferred pursuant to Rule 456(b).

** These fees and expenses cannot be estimated at this time.

Item 15. Indemnification of Directors and Officers

As permitted by Section 102(b)(7) of the Delaware General Corporation Law, our restated certificate of incorporation includes a provision that eliminates the personal liability of each of our directors for monetary damages for breach of such director's fiduciary duty as a director, except for liability: (a) for any breach of the director's duty of loyalty to us or our stockholders; (b) for acts of omissions not in good faith or which involve intentional misconduct or a knowing violation of the law; (c) under Section 174 of the Delaware General Corporation Law; or (d) for any transaction from which the director derived an improper personal benefit. The directors' liability will be further limited to the extent permitted by any future amendments to the Delaware General Corporation Law authorizing the further limitation or elimination of the liability of directors.

In addition, as permitted by Section 145 of the Delaware General Corporation Law, our amended and restated by-laws provide that: (i) we are required to indemnify our directors and officers to the fullest extent permitted by Delaware law, including those circumstances in which indemnification would otherwise be discretionary; (ii) we are required to advance expenses, as incurred, to such directors and officers in connection with defending a proceeding (except that it is not required to advance expenses to a person against whom we bring a claim for breach of the duty of loyalty, failure to act in good faith, intentional misconduct, knowing violation of the law or deriving an improper personal benefit); and (iii) the rights conferred in our amended and restated by-laws are not exclusive and we are authorized to enter into indemnification agreements with such directors, officers and employees.

We have entered into indemnification agreements with our directors and a number of our officers containing provisions which provide for the indemnification of such director or officer, as applicable, to the fullest extent permitted by Delaware law.

The indemnification provisions in our amended and restated by-laws, and any indemnification agreements entered into between us and our directors or officers, may be sufficiently broad to permit indemnification of our directors and officers for liabilities arising under the Securities Act.

The proposed Form of Underwriting Agreement (Debt Securities) filed as Exhibit 1.1 to this Registration Statement provides for indemnification of our directors and officers by the underwriters against certain liabilities.

Item 16. Exhibits and Financial Statement Schedules

(a) The following exhibits are filed as part of this Registration Statement:

Exhibit No.	Document
1.1	Form of Underwriting Agreement (Debt Securities)**
1.2	Form of Underwriting Agreement (Preferred Stock, Common Stock, Warrants, Purchase Contracts and Units)**
4.1	Indenture, dated as of November 26, 2018 between Roper Technologies, Inc. and Wells Fargo Bank, N.A., as trustee
4.2	Form of Note**
4.3	Specimen Preferred Stock Certificate**
4.4	Form of Warrant Agreement for Warrants sold separately**
4.5	Form of Warrant for Warrants sold separately (included in Exhibit 4.6)**
4.6	Form of Warrant Agreement for Warrants sold attached to other Securities**
4.7	Form of Warrant for Warrants sold attached to other Securities (included in Exhibit 4.8)**
4.8	Form of Purchase Contract Agreement relating to Purchase Contracts**
4.9	Form of Unit Agreement**
5.1	Opinion of Jones Day
23.1	Consent of PricewaterhouseCoopers LLP
23.2	Consent of Jones Day (included in Exhibit 5.1)
24.1	Power of Attorney (included on the signature page of the Registration Statement)
25.1	Statement of Eligibility on Form T-1 of Wells Fargo Bank, National Association, as trustee under the senior notes indenture relating to Roper Technologies, Inc., as issuer

** To be filed by Current Report on Form 8-K.

Item 17. Undertakings

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made of securities registered hereby, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (i), (ii) and (iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered herein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act to any purchaser:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities:

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

-
- (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (b) The undersigned Registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act in accordance with the rules and regulations prescribed by the SEC under Section 305(b)(2) of the Trust Indenture Act.
- (c) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (d) The undersigned registrant hereby undertakes to supplement the prospectus, after the expiration of the subscription period, to set forth the results of the subscription offer, the transactions by the underwriters during the subscription period, the amount of unsubscribed securities to be purchased by the underwriters, and the terms of any subsequent reoffering thereof. If any public offering by the underwriters is to be made on terms differing from those set forth on the cover page of the prospectus, a post-effective amendment will be filed to set forth the terms of such offering.
- (e) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrants pursuant to the foregoing provisions, or otherwise, the registrants have been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrants will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Sarasota, State of Florida, on November 26, 2018.

ROPER TECHNOLOGIES, INC.

By: /s/ L. Neil Hunn

Name: L. Neil Hunn

Title: President and Chief Executive Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints L. Neil Hunn, Robert Crisci and John K. Stipancich, and each of them, his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto each said attorney-in-fact and agent full power and authority to do and perform each and every act in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or either of them or their or his or her substitute or substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ L. Neil Hunn</u> L. Neil Hunn	President and Chief Executive Officer and Director (Principal Executive Officer)	November 26, 2018
<u>/s/ Robert C. Crisci</u> Robert C. Crisci	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	November 26, 2018
<u>/s/ Jason P. Conley</u> Jason P. Conley	Vice President and Corporate Controller (Principal Accounting Officer)	November 26, 2018
<u>/s/ Wilburn J. Prezzano</u> Wilbur J. Prezzano	Chairman of the Board of Directors	November 26, 2018
<u>/s/ Shellye L. Archambeau</u> Shellye L. Archambeau	Director	November 26, 2018
<u>/s/ Amy Woods Brinkley</u> Amy Woods Brinkley	Director	November 26, 2018
<u>/s/ John F. Fort, III</u> John F. Fort, III	Director	November 26, 2018
<u>/s/ Robert D. Johnson</u> Robert D. Johnson	Director	November 26, 2018

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Robert E. Knowling</u> Robert E. Knowling	Director	November 26, 2018
<u>/s/ Laura G. Thatcher</u> Laura G. Thatcher	Director	November 26, 2018
<u>/s/ Richard F. Wallman</u> Richard F. Wallman	Director	November 26, 2018
<u>/s/ Christopher Wright</u> Christopher Wright	Director	November 26, 2018

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Section 2: EX-4.1 (EX-4.1)

Exhibit 4.1
Execution Version

ROPER TECHNOLOGIES, INC.

and

WELLS FARGO BANK, NATIONAL ASSOCIATION, Trustee
INDENTURE

Dated as of November 26, 2018

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THIS INDENTURE, dated as of November 26, 2018 between ROPER TECHNOLOGIES, INC. (the “**Issuer**”) and WELLS FARGO BANK, NATIONAL ASSOCIATION, a national banking association (the “**Trustee**”),

WITNESSETH:

WHEREAS, for its lawful corporate purposes, the Issuer has duly authorized the execution and delivery of the Indenture to provide for the issuance of unsecured debt securities in one or more series (the “**Securities**”) up to such principal amount or amounts as may from time to time be authorized in accordance with the terms of the Indenture and to provide, among other things, for the authentication, delivery and administration thereof;

WHEREAS, all things necessary to make the Indenture a valid indenture and agreement according to its terms have been done;

WHEREAS, the Indenture is subject to, and will be governed by, the provisions of the Trust Indenture Act of 1939 (the “**Trust Indenture Act**”) that are required to be a part of and govern indentures qualified under the Trust Indenture Act; and

NOW, THEREFORE, in consideration of the premises and the purchases of the Securities by the holders thereof, the Issuer and the Trustee mutually covenant and agree for the equal and proportionate benefit of the respective holders from time to time of the Securities as follows:

ARTICLE 1
DEFINITIONS

Section 1.01. *Certain Terms Defined; Rules of Construction.* The following terms (except as otherwise expressly provided or unless the context otherwise clearly requires) for all purposes of the Indenture and of any indenture supplemental hereto shall have the respective meanings specified in this Section. All other terms used in the Indenture that are defined in the Trust Indenture Act, or the definitions of which are referred to in the Trust Indenture Act, including terms defined therein by reference to the Securities Act (except as herein otherwise expressly provided or unless the context otherwise clearly requires), shall have the meanings assigned to such terms in the Trust Indenture Act and in the Securities Act as in force at the date of the Indenture. All accounting terms used herein and not expressly defined shall have the meanings assigned to such terms in accordance with generally accepted accounting principles, and the term “**generally accepted accounting principles**” means such accounting principles as are generally accepted at the time of any computation. The word “**principal**” whenever used with reference to the Securities or any Security or any portion thereof, shall be deemed to include “and premium, if any”. The words “**herein**”, “**hereof**” and “**hereunder**” and other words of similar import refer to the Indenture as a whole and not to any particular Article, Section or other subdivision. The terms defined in this Article have the meanings assigned to them in this Article and include the plural as well as the singular. Except as otherwise expressly provided or unless the context otherwise clearly requires, references to agreements or instruments, or to statutes or regulations, are to such agreements or instruments, or statutes or regulations, as amended from time to time (or to successor statutes and regulations).

“**Agent Member**” means a member of, or a participant in, the Depository.

“**Authenticating Agent**” means an authenticating agent with respect to any of the series of Securities appointed with respect to all or any series of the Securities by the Trustee pursuant to Section 2.12.

“**Bankruptcy Law**” means Title 11 of the United States Code or any similar Federal or State law for the relief of debtors.

“**Board of Directors**” means either the Board of Directors of the Issuer or any committee of such Board duly authorized to act hereunder.

“**Business Day**” means, with respect to any Security, a day that in the Borough of Manhattan, City of New York is not a day on which banking institutions are authorized by law or regulation to close.

“**Capital Stock**” means:

(a) with respect to any Person that is a corporation, any and all shares, interests, participations or other equivalents (however designated and whether or not voting) of corporate stock, including each class of Common Stock and Preferred Stock of such Person, and all options, warrants or other rights to purchase or acquire any of the foregoing; and

(b) with respect to any Person that is not a corporation, any and all partnership, membership or other equity interests of such Person, and all options, warrants or other rights to purchase or acquire any of the foregoing.

“**Commission**” means the Securities and Exchange Commission, as from time to time constituted, created under the Exchange Act, or if at any time after the execution and delivery of the Indenture such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties on such date.

“**Common Stock**” of any Person means any and all shares, interests or other participations in, and other equivalents (however designated and whether voting or non-voting) of, such Person’s common stock, whether outstanding on the Issue Date or issued after the Issue Date, and includes, without limitation, all series and classes of such common stock.

“**company**” means a corporation or a limited liability company.

“**Corporate Trust Office**” means the office of the Trustee (i) for bond transfer purposes and for purposes of presentment and surrender of the Securities for the final distributions thereon is Wells Fargo Bank, National Association, 600 South 4th Street, 7th Floor, Minneapolis, MN 55415, Attention: Corporate Trust Department and (ii) for all other purposes is Wells Fargo Bank, National Association, 1 Independent Drive, Suite 620, Jacksonville, FL 32202, Attention: Corporate Trust Department.

“**Depository**” means, with respect to Securities of any series, for which the Issuer shall determine that such Securities will be issued as a Global Security, the Depository Trust Company, New York, New York, another clearing agency, or any successor registered as a clearing agency under the Exchange Act, or other applicable statute or regulation, which, in each case, shall be designated by the Issuer pursuant to either Section 2.01 or Section 2.13.

“**Event of Default**” has the meaning assigned to such term in Section 4.01.

“**Exchange Act**” means the Securities Exchange Act of 1934 and any successor thereto, in each case as amended from time to time.

“**Global Security**” means, with respect to any series of Securities, a Security executed by the Issuer and delivered by the Trustee to the Depository or pursuant to a safekeeping agreement with the Depository, all in accordance with the Indenture, which shall be registered in global form without interest coupons in the name of the Depository or its nominee.

“**Governmental Obligations**” means securities that are (i) direct obligations of the United States of America for the payment of which its full faith and credit is pledged or (ii) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America, the payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America that, in either case, are not callable or redeemable at the option of the issuer thereof, and shall also include a depositary receipt issued by a bank (as defined in Section 3(a)(2) of the Securities Act) as custodian with respect to any such Governmental Obligation or a specific payment of principal of or interest on any such Governmental Obligation held by such custodian for the account of the holder of such depositary receipt; provided however, that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depositary receipt from any amount received by the custodian in respect of the Governmental Obligation or the specific payment of principal of or interest on the Governmental Obligation evidenced by such depositary receipt.

“**Holder**” means the registered holder of any Security.

“**Holding Company Reorganization**” shall mean a merger of the Issuer with and into a newly formed wholly-owned, indirect Subsidiary (“**MergerCo**”) of the Issuer, all of the equity interest of which shall be held by a newly formed, wholly-owned, direct Subsidiary of the Issuer (“**New HoldCo**”). Such merger shall be effected pursuant to Section 251(g) of the General Corporation Law of the State of Delaware (or comparable provisions of the laws of the Issuer’s state of incorporation) and shall not require the vote of the Issuer’s stockholders. Each share of Common Stock of the Issuer shall be converted in such merger into a right to receive one share of the Common Stock of New HoldCo, with identical terms and rights as the Issuer’s Common Stock immediately prior to such conversion.

“**Indebtedness**” means with respect to any Person, without duplication:

- (a) all obligations of such person for borrowed money; and
- (b) all obligations of such person evidenced by bonds, debentures, notes or other similar instruments.

“**Indenture**” means this instrument as originally executed and delivered or, if amended or supplemented as herein provided, as so amended or supplemented or both, and shall include the forms and terms of particular series of Securities established as contemplated hereunder.

“**Interest Payment Date**”, when used with respect to any installment of interest on a Security of a particular series, means the date specified in such Security or in a Resolution of the Board of Directors or in an indenture supplemental hereto with respect to such series as the fixed date on which an installment of interest with respect to Securities of that series is due and payable.

“**Issue Date**” means the date of original issuance of Securities of any series.

“**Issuer**” means the Person named as the “Issuer” in the first paragraph of this instrument until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “**Issuer**” shall mean such successor Person.

“**Issuer Order**” has the meaning assigned to such term in Section 2.04.

“**Lien**” means any lien, mortgage, deed of trust, hypothecation, pledge, security interest, charge or encumbrance of any kind.

“**Officer**” means the Chairman of the Board, the Chief Executive Officer, the Chief Financial Officer, the Chief Accounting Officer, the Chief Legal Officer, the Chief Administrative Officer, any President, any Vice President, the Controller, the Secretary or any Assistant Secretary, of the Issuer.

“**Officer’s Certificate**” means a certificate signed on behalf of the Issuer by an Officer of the Issuer.

“**Opinion of Counsel**” means an opinion in writing signed by legal counsel who may be an employee of or counsel to the Issuer.

“**Original Issue Discount Security**” means any Security that provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the maturity thereof pursuant to Section 4.01.

“**Outstanding**”, when used with reference to Securities, shall, subject to the provisions of Section 6.04, mean, as of any particular time, all Securities authenticated and delivered by the Trustee under the Indenture, except:

(a) Securities cancelled by the Trustee or accepted by the Trustee for cancellation;

(b) Securities, or portions thereof, for the payment or redemption of which moneys in the necessary amount to pay all amounts then due shall have been deposited in trust with the Trustee or with any paying agent (other than the Issuer) or shall have been set aside, segregated and held in trust by the Issuer for the holders of such Securities (if the Issuer shall act as its own paying agent), provided that if such Securities, or portions thereof, are to be redeemed prior to the maturity thereof, notice of such redemption shall have been given as herein provided, or provision satisfactory to the Trustee shall have been made for giving such notice; and

(c) Securities in substitution for which other Securities shall have been authenticated and delivered, or which shall have been paid, pursuant to the terms of Section 2.09 unless and until the Trustee and the Issuer receive proof satisfactory to them that the substituted Security is held by a *bona fide* purchaser.

In determining whether the holders of the requisite principal amount of Outstanding Securities of any or all series have given any request, demand, authorization, direction, notice, consent or waiver hereunder, the principal amount of an Original Issue Discount Security that shall be Outstanding for such purposes shall be the amount of the principal thereof that would be due and payable as of the date of such determination upon a declaration of acceleration of the maturity thereof pursuant to Section 4.01.

“**Person**” means any individual, corporation, limited liability company, partnership, joint venture, association, joint stock company, trust, unincorporated organization, or any other entity, including any government or any agency or political subdivision thereof.

“**Preferred Stock**” of any Person means any Capital Stock of such Person that has preferential rights to any other Capital Stock of such Person with respect to dividends or redemptions or upon liquidation.

“**Register**” has the meaning assigned to it in Section 2.08.

“**Registrar**” means a Person engaged to maintain the Register.

“**Resolution of the Board of Directors**” means a copy of the resolution certified by the secretary or an assistant secretary of the Issuer to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification.

“**Responsible Officer**” when used with respect to the Trustee means any officer of the Trustee within the Corporate Trust Office of the Trustee with direct responsibility for the administration of the Indenture and also, with respect to a particular matter, any other officer of the Trustee to whom such matter is referred because of such officer’s knowledge and familiarity with the particular subject.

“**Securities Act**” means the Securities Act of 1933 and any statute successor thereto, in each case as amended from time to time.

“**Security**” or “**Securities**” has the meaning stated in the first recital of the Indenture, or, as the case may be, Securities that have been authenticated and delivered under the Indenture.

“**Significant Subsidiary**”, with respect to any Person, means any Subsidiary of such Person that satisfies the criteria for a “significant subsidiary” as set forth in Rule 1-02(w) of Regulation S-X under the Exchange Act.

“**Subsidiary**” means any corporation, limited liability company, limited partnership or other similar type of business entity in which the Issuer and/or one or more of its Subsidiaries together own more than 50% of the total voting power of shares of Capital Stock entitled (without regard to the occurrence of any contingency) to vote in the election of the Board of Directors or similar governing body of such corporation, limited liability company, limited partnership or other similar type of business entity, directly or indirectly.

“**Trustee**” means the Person identified as “Trustee” in the first paragraph hereof and any successor trustee under the Indenture pursuant to Article 5.

“**Trust Indenture Act**” means the Trust Indenture Act of 1939 and any statute successor thereto, in each case as amended from time to time.

“**vice president**” when used with respect to the Issuer, means any vice president, whether or not designated by a number or a word or words added before or after the title of “vice president”.

“Yield to Maturity” means the yield to maturity on a series of securities, calculated at the time of issuance of such series, or, if applicable, at the most recent redetermination of interest on such series, and calculated in accordance with accepted financial practice.

ARTICLE 2
SECURITIES

Section 2.01. *Forms Generally.* The Securities of each series shall be substantially in such form as shall be established by or pursuant to a Resolution of the Board of Directors and set forth in an Officer’s Certificate, or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by the Indenture and may have imprinted or otherwise reproduced thereon such legends, notations or endorsements as may be required to comply with any law or with any rules or regulations pursuant thereto, or with any rules of any securities exchange or to conform to general usage, all as may be determined by the officer executing such Securities, as evidenced by such officer’s execution of the Securities.

The definitive Securities shall be printed, lithographed or engraved on steel engraved borders or may be produced in any other manner, all as determined by the officer executing such Securities, as evidenced by such officer’s execution of such Securities.

Section 2.02. *Form of Trustee’s Certification of Authentication.* The Trustee’s certificate of authentication on all Securities shall be in substantially the following form:

This is one of the Securities of the series designated herein and referred to in the within-mentioned Indenture.

WELLS FARGO BANK, NATIONAL ASSOCIATION,
as Trustee

by: _____
Authorized Signatory

Section 2.03. *Amount Unlimited; Issuable in Series.* Subject to compliance with the representations, warranties and covenants set forth herein, in an Officer’s Certificate, in any indenture supplemental hereto and in any amendment hereto or thereto, the aggregate principal amount of Securities which may be authenticated and delivered under the Indenture is unlimited.

The Securities may be issued in one or more series. There shall be established in or pursuant to a Resolution of the Board of Directors and set forth in an Officer’s Certificate, or established in one or more indentures supplemental hereto, prior to the issuance of Securities of any series:

(a) the title of the Securities of the series (which shall distinguish the Securities of the series from all other Securities);

(b) any limit upon the aggregate principal amount of the Securities of the series that may be authenticated and delivered under the Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of the series pursuant to Section 2.08, 2.09 or 2.11);

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- (c) the date or dates on which the principal of the Securities of the series is payable;
- (d) the rate or rates (which may be fixed or variable) at which the Securities of the series shall bear interest, if any, or the method by which such rate shall be determined (including, but not limited to, any commodity, commodity index, stock exchange index or financial index), the date or dates from which such interest shall accrue, the Interest Payment Dates on which such interest shall be payable and the record dates for the determination of Holders to whom interest is payable on such Interest Payment Dates;
- (e) the right, if any, to extend the interest payment periods and the duration of such extension;
- (f) the place or places where the principal of and any interest on Securities of the series shall be payable (if other than as provided in Section 3.02);
- (g) the price or prices at which, the period or periods within which and the terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Issuer, pursuant to any sinking fund or otherwise;
- (h) the obligation, if any, of the Issuer to redeem, purchase or repay Securities of the series pursuant to any sinking fund or otherwise or at the option of a Holder thereof and the price or prices at which and the period or periods within which and the terms and conditions upon which Securities of the series shall be redeemed, purchased or repaid, in whole or in part, pursuant to such obligation;
- (i) if other than denominations of \$2,000 and any multiple of \$1,000 in excess thereof, the denominations in which Securities of the series shall be issuable;
- (j) the percentage of the principal amount at which the Securities will be issued, and, if other than the principal amount thereof, the portion of the principal amount of Securities of the series which shall be payable upon declaration of acceleration of the maturity thereof pursuant to Section 4.01 or provable in bankruptcy pursuant to Section 4.02;
- (k) whether the Securities are issuable under Rule 144A, Regulation S and/or any exemption from registration under the Securities Act and, in such case, any provisions unique to such form of issuance including any transfer restrictions or exchange and registration rights;
- (l) whether the Securities are issuable as a Global Security and, in such case, the identity for the depository for such series, if other than the Depositary;
- (m) any deletion from, modification of or addition to the Events of Default or covenants provided for with respect to the Securities of the series;
- (n) any provisions granting special rights to holders when a specified event occurs;
- (o) whether and under what circumstances the Issuer will pay additional amounts on the Securities of the series held by a person who is not a U.S. person in respect of any tax, assessment or governmental charge withheld or deducted and, if so, whether the Issuer will have the option to redeem the Securities of the series rather than pay such additional amounts;

(p) any special tax implications of the notes, including provisions for Original Issue Discount Securities;

(q) any trustees, authenticating or paying agents, transfer agents or registrars or any other agents with respect to the Securities of such series;

(r) any guarantor or co-issuer of the Securities of the series;

(s) any special interest premium or other premium;

(t) whether the Securities are convertible or exchangeable into common stock or other equity securities of the Issuer or a combination thereof and the terms and conditions upon which such conversion or exchange shall be effected;

(u) the currency in which payments shall be made, if other than U.S. dollars; and

(v) any and all other terms of the Securities of any series.

All Securities of any one series shall be substantially identical except as to denomination and except as may otherwise be provided in or pursuant to such Resolution of the Board of Directors and set forth in an Officer's Certificate, or in any indenture supplemental hereto. All Securities of any one series need not be issued at the same time, and unless otherwise provided, a series may be reopened for issuance of additional Securities of such series. Additional Securities of such series will be consolidated with, and form a single series with, Securities then Outstanding of such series; provided, however, that if such additional Securities of such series are not fungible with the Securities of such series for U.S. federal income tax purposes, the additional Securities of such series will have a separate CUSIP number.

Any additional Securities shall be established in or pursuant to a Resolution of the Board of Directors and set forth in an Officer's Certificate, or established in one or more indentures supplemental hereto, prior to the issuance of Securities of any series the following information:

(i) the aggregate principal amount of such additional Securities to be authenticated and delivered pursuant to the Indenture

(ii) the issue price, issue date and CUSIP number, if any, of such additional Securities; and

(iii) whether such additional Securities shall be transfer restricted Securities or have any registration or exchange rights.

Section 2.04. *Authentication and Delivery of Securities.* At any time and from time to time after the execution and delivery of the Indenture, the Issuer may deliver Securities of any series executed by the Issuer to the Trustee for authentication, together with a written order of the Issuer, signed in the name of the Issuer by its Chairman of the Board, its President, any Vice President, its Controller, its Secretary or any Assistant Secretary, and delivered to the Trustee (an "**Issuer Order**"). The Trustee, in accordance with such written order, shall authenticate and deliver such Securities.

In authenticating such Securities and accepting the additional responsibilities under the Indenture in relation to such Securities, the Trustee shall be entitled to receive and (subject to Section 5.01) shall be fully protected in relying upon:

(a) a certified copy of any resolution or resolutions of the Board of Directors authorizing the action taken pursuant to the resolution or resolutions delivered under clause 2.04(b) below;

(b) a copy of any resolution or resolutions of the Board of Directors relating to such series, in each case certified by the secretary or an assistant secretary of the Issuer;

(c) an executed supplemental indenture, if any;

(d) in lieu of a supplemental indenture, an Officer's Certificate setting forth the form and terms of the Securities as required pursuant to Section 2.01 and 2.03, respectively, and prepared in accordance with Section 10.05;

(e) an Opinion of Counsel, prepared in accordance with Section 10.05, to the effect that

(i) the form or forms and terms of such Securities have been established by or pursuant to a Resolution of the Board of Directors and set forth in an Officer's Certificate, or by a supplemental indenture as permitted by Section 2.01 and 2.03 in conformity with the provisions of the Indenture; and

(ii) such Securities, when authenticated and delivered by the Trustee and issued by the Issuer in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute valid and binding obligations of the Issuer entitled to the benefits of the Indenture, and enforceable against the Issuer in accordance with their terms, except to the extent that enforcement thereof may be limited by bankruptcy, insolvency, reorganization, moratorium, fraudulent conveyance or similar laws now or hereafter in effect relating to creditor's rights generally, and general principles of equity (regardless of whether enforceability is considered in a proceeding in equity or at law).

The Trustee shall have the right to decline to authenticate and deliver any Securities under this section if the Trustee, being advised by counsel, determines that such action may not lawfully be taken by the Issuer or if the Trustee in good faith by its board of directors or board of trustees, executive committee, or a trust committee of directors or trustees or Responsible Officers shall determine that such action would expose the Trustee to personal liability.

Section 2.05. *Execution of Securities.* The Securities shall be signed in the name of the Issuer by any one of the following officers: the chairman of the Board of Directors, the chief executive officer, the chief financial officer, any president, any executive vice president, the treasurer or the secretary of the Issuer. Such signature may be the manual or facsimile signature of the present or any future such officer. Typographical and other minor errors or defects in any such signature shall not affect the validity or enforceability of any Security that has been duly authenticated and delivered by the Trustee.

In case any officer of the Issuer who shall have signed any of the Securities shall cease to be such officer before the Security so signed shall be authenticated and delivered by the Trustee or disposed of by the Issuer, such Security nevertheless may be authenticated and delivered or disposed of as though the person who signed such Security had not ceased to be such officer of the Issuer; and any Security may be signed on behalf of the Issuer by such person as, at the actual date of the execution of such Security, shall be the proper officer of the Issuer, although at the date of the execution and delivery of the Indenture any such person was not such an officer.

Section 2.06. *Certificate of Authentication.* Only such Securities as shall bear thereon a certificate of authentication substantially in the form set forth herein, executed by the Trustee by the manual signature of one of its authorized officers, shall be entitled to the benefits of the Indenture. Such certificate by the Trustee upon any Security executed by the Issuer shall be conclusive evidence that the Security so authenticated has been duly authenticated and delivered hereunder and that the holder is entitled to the benefits of the Indenture.

Section 2.07. *Denomination and Date of Securities; Payments of Interest.* The Securities shall be issuable as registered securities without coupons and in denominations as shall be specified as contemplated by Section 2.03. In the absence of any such specification with respect to the Securities of any series, the Securities of such series shall be issuable in denominations of \$2,000 and any multiple of \$1,000 in excess thereof. The Securities shall be numbered, lettered, or otherwise distinguished in such manner or in accordance with such plan as the officer of the Issuer executing the same may determine with the approval of the Trustee as evidenced by the execution and authentication thereof.

In the absence of any such specification with respect to the Securities of any series, the principal of and the interest on the Securities of such series, shall be payable in the coin or currency of the United States of America that at the time is legal tender for public and private debt, at the office or agency of the Issuer maintained for that purpose.

Each Security shall be dated the date of its authentication, shall bear interest, if any, from the date and shall be payable on the dates, in each case, established as contemplated by Section 2.03.

The person in whose name any Security of any series is registered at the close of business on any record date applicable to a particular series with respect to any interest payment date for such series shall be entitled to receive the interest, if any, payable on such interest payment date notwithstanding any transfer or exchange of such Security subsequent to the record date and prior to such interest payment date, except if and to the extent the Issuer shall default in the payment of the interest due on such interest payment date for such series, in which case such defaulted interest shall be paid to the persons in whose names Outstanding Securities for such series are registered at the close of business on a subsequent record date (which shall be not less than five Business Days prior to the date of payment of such defaulted interest) established by notice given by mail by or on behalf of the Issuer to the Holders not less than 15 days preceding such subsequent record date. The term “**record date**” as used with respect to any interest payment date (except a date for payment of defaulted interest) shall mean the date specified as such in the terms of the Securities of any particular series, or, if no such date is so specified, if such interest payment date is the first day of a calendar month, the fifteenth day of the next preceding calendar month or, if such interest payment date is the fifteenth day of a calendar month, the first day of such calendar month, whether or not such record date is a Business Day.

Section 2.08. *Registration, Transfer and Exchange.* The Issuer may appoint one or more Registrars. The Issuer initially appoints the Trustee as Registrar. The Issuer will keep or cause to be kept at each office or agency to be maintained for the purpose as provided in Section 3.02 a register or registers (the “**Register**”) in which, subject to such reasonable regulations as it may prescribe, it will register, and will register the transfer of, Securities as in this Article provided. The Register shall be in written form in the English language or in any other form capable of being converted into such form within a reasonable time. At all reasonable times the Register shall be open for inspection by the Trustee.

Upon due presentation for registration of transfer of any Security of any series at any such office or agency to be maintained for the purpose as provided in Section 3.02, the Issuer shall execute and the Trustee shall authenticate and deliver in the name of the transferee or transferees a new Security or Securities of the same series in authorized denominations for a like aggregate principal amount.

Any Security or Securities of any series may be exchanged for a Security or Securities of the same series in other authorized denominations, in an equal aggregate principal amount. Securities of any series to be exchanged shall be surrendered at any office or agency to be maintained by the Issuer for the purpose as provided in Section 3.02, and the Issuer shall execute and the Trustee shall authenticate and deliver in exchange therefor the Security or Securities of the same series which the Holder making the exchange shall be entitled to receive, bearing numbers not contemporaneously Outstanding.

All Securities presented for registration of transfer, exchange, redemption or payment shall (if so required by the Issuer or the Trustee) be duly endorsed by, or be accompanied by a written instrument or instruments of transfer in form satisfactory to the Issuer and the Trustee duly executed by, the holder or his attorney duly authorized in writing, together with signature guarantees for such holder or attorney.

The Issuer or the Trustee may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any exchange or registration of transfer of Securities. No service charge shall be made for any such transaction.

Neither the Issuer nor the Trustee shall be required to exchange or register a transfer of (a) any Securities of any series for a period of 15 days preceding the first mailing of notice of redemption of Securities of such series to be redeemed, or (b) any Securities selected, called or being called for redemption except, in the case of any Security where public notice has been given that such Security is to be redeemed in part, the portion thereof not so to be redeemed.

In addition to the transfer requirements provided in this Section 2.08, any Security or Securities will be subject to such further transfer restrictions as may be contained in an Officer’s Certificate or indenture supplemental hereto applicable to such series of Securities.

All Securities issued upon any transfer or exchange of Securities shall be valid obligations of the Issuer, evidencing the same debt, and entitled to the same benefits under the Indenture, as the Securities surrendered upon such transfer or exchange.

Section 2.09. *Mutilated, Defaced, Destroyed, Lost and Stolen Securities.* In case any temporary or definitive Security shall become mutilated, defaced or be destroyed, lost or stolen, the Issuer in its discretion may execute, and upon the receipt of an Issuer Order, the Trustee shall authenticate and deliver, a new Security of the same series, bearing a number not contemporaneously Outstanding, in exchange and substitution for the mutilated or defaced Security, or in lieu of and substitution for the Security so destroyed, lost or stolen. In every case

the applicant for a substitute Security shall furnish to the Issuer and to the Trustee and any agent of the Issuer or the Trustee such security or indemnity as may be required by them to indemnify and defend and to save each of them harmless and, in every case of destruction, loss or theft, evidence to their satisfaction of the destruction, loss or theft of such Security and of the ownership thereof.

Upon the issuance of any substitute Security, the Issuer or the Trustee may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith. In case any Security which has matured or is about to mature or has been called for redemption in full shall become mutilated or defaced or be destroyed, lost or stolen, the Issuer may instead of issuing a substitute Security, pay or authorize the payment of the same (without surrender thereof except in the case of a mutilated or defaced Security), if the applicant for such payment shall furnish to the Issuer and to the Trustee and any agent of the Issuer or the Trustee such security or indemnity as any of them may require to save each of them harmless, and, in every case of destruction, loss or theft, the applicant shall also furnish to the Issuer and the Trustee and any agent of the Issuer or the Trustee evidence to their satisfaction of the destruction, loss or theft of such Security and of the ownership thereof. In case the mutilated, deleted, destroyed, or lost or stolen Security has become or is about to become due and payable, the Issuer in its discretion may pay the Security instead of issuing a substitute Security.

Every substitute Security of any series issued pursuant to the provisions of this section by virtue of the fact that any such Security is destroyed, lost or stolen shall constitute an additional contractual obligation of the Issuer, whether or not the destroyed, lost or stolen Security shall be at any time enforceable by anyone and shall be entitled to all the benefits of (but shall be subject to all the limitations of rights set forth in) the Indenture equally and proportionately with any and all other Securities of such series duly authenticated and delivered hereunder. All Securities shall be held and owned upon the express condition that, to the extent permitted by law, the foregoing provisions are exclusive with respect to the replacement or payment of mutilated, defaced or destroyed, lost or stolen Securities and shall preclude any and all other rights or remedies notwithstanding any law or statute existing or hereafter enacted to the contrary with respect to the replacement or payment of negotiable instruments or other securities without their surrender.

Section 2.10. *Cancellation of Securities; Destruction Thereof.* All Securities surrendered for payment, redemption, registration of transfer or exchange, or for credit against any payment in respect of a sinking or analogous fund, if surrendered to the Issuer or any agent of the Issuer or the Trustee, shall be delivered to the Trustee for cancellation or, if surrendered to the Trustee, shall be cancelled by it; and no Securities shall be issued in lieu thereof except as expressly permitted by any of the provisions of the Indenture. On written request of the Issuer at the time of such surrender, the Trustee shall deliver to the Issuer the Securities cancelled by the Trustee. In the absence of such request, the Trustee shall cancel Securities held by it in accordance with its customary procedures and deliver a certificate of destruction to the Issuer. If the Issuer shall acquire any of the Securities, such acquisition shall not operate as a redemption or satisfaction of the indebtedness represented by such Securities unless and until the same are delivered to the Trustee for cancellation.

Section 2.11. *Temporary Securities*. Pending the preparation of definitive Securities for any series, the Issuer may execute and the Trustee shall, upon receipt of an Issuer Order, authenticate and deliver temporary Securities for such series (printed, lithographed, typewritten or otherwise reproduced, in each case in form satisfactory to the Trustee). Temporary Securities of any series shall be issuable as registered Securities without coupons, of any authorized denomination, and substantially in the form of the definitive Securities of such series but with such omissions, insertions and variations as may be appropriate for temporary Securities, all as may be determined by the Issuer with the concurrence of the Trustee. Temporary Securities may contain such reference to any provisions of the Indenture as may be appropriate. Every temporary Security shall be executed by the Issuer and be authenticated by the Trustee upon the same conditions and in substantially the same manner, and with like effect, as the definitive Securities. Without unreasonable delay the Issuer shall execute and shall furnish definitive Securities of such series and thereupon temporary Securities of such series may be surrendered in exchange therefor without charge at each office or agency to be maintained by the Issuer for that purpose pursuant to Section 3.02, and the Trustee shall, upon receipt of an Issuer Order, authenticate and deliver in exchange for such temporary Securities of such series a like aggregate principal amount of definitive Securities of the same series of authorized denominations. Until so exchanged, the temporary Securities of any series shall be entitled to the same benefits under the Indenture as definitive Securities of such series.

Section 2.12. *Authenticating Agent*. So long as any of the Securities of any series remain Outstanding there may be an Authenticating Agent for any or all such series of Securities which the Trustee shall have the right to appoint. Said Authenticating Agent shall be authorized to act on behalf of the Trustee to authenticate Securities of such series issued upon exchange, transfer or partial redemption thereof, and Securities so authenticated shall be entitled to the benefits of the Indenture and shall be valid and binding for all purposes as if authenticated by the Trustee hereunder. All references in the Indenture to the authentication of Securities by the Trustee shall be deemed to include authentication by an Authenticating Agent for such series. Each Authenticating Agent shall be acceptable to the Issuer and shall be a corporation that has a combined capital and surplus, as most recently reported or determined by it, sufficient under the laws of any jurisdiction under which it is organized or in which it is doing business to conduct a trust business, and that is otherwise authorized under such laws to conduct such business and is subject to supervision or examination by Federal or State authorities. If at any time any Authenticating Agent shall cease to be eligible in accordance with these provisions, it shall resign immediately. Any Authenticating Agent may at any time resign by giving written notice of resignation to the Trustee and to the Issuer. The Trustee may at any time (and upon written request by the Issuer shall) terminate the agency of any Authenticating Agent by giving written notice of termination to such Authenticating Agent and to the Issuer. Upon resignation, termination or cessation of eligibility of any Authenticating Agent, the Trustee may appoint an eligible successor Authenticating Agent acceptable to the Issuer. Any successor Authenticating Agent, upon acceptance of its appointment hereunder, shall become vested with all the rights, powers and duties of its predecessor hereunder as if originally named as an Authenticating Agent pursuant hereto.

Section 2.13. *Global Securities*. If the Issuer shall establish pursuant to Section 2.01 that the Securities of a particular series are to be issued as a Global Security, then the Issuer shall execute and the Trustee shall, in accordance with Section 2.04, authenticate and deliver, a Global Security that shall (i) represent, and be issued in a denomination or aggregate denominations equal to the aggregate principal amount of all the Securities to be represented by a Global Security, (ii) be registered in the name of the Depository or its nominee, (iii) be delivered by the Trustee to the Depository or pursuant to the Depository's instruction and (iv) bear a legend substantially to the following effect: "Except as otherwise provided in Section 2.13 of the Indenture, this Security may be transferred, in whole but not in part, only to another nominee of the Depository or to a successor Depository or to a nominee of such successor Depository."

Notwithstanding the provisions of Section 2.08, the Global Security of a series may be transferred, in whole but not in part and in the manner provided in Section 2.08, only to another nominee of the Depositary for such series, or to a successor Depositary for such series selected or approved by the Issuer or to a nominee of such successor Depositary.

Ownership of beneficial interests in a registered global security will be limited to Agent Members that have accounts with the Depositary or persons that may hold interests through Agent Members. Upon the issuance of a registered Global Security, the Depositary will credit, on its book-entry registration and transfer system, the Agent Members accounts with the respective principal or face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the Securities will designate the accounts to be credited. Ownership of beneficial interests in a Global Security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the Depositary, with respect to interests of Agent Members, and on the records of Agent Members, with respect to interests of persons holding through Agent Members.

So long as the Depositary, or its nominee, is the registered owner of a registered Global Security, that Depositary or its nominee, as the case may be, will be considered the sole owner or Holder of the Securities represented by the Global Security for all purposes under the Indenture. Except as described in this Section 2.13, Agent Members will not be entitled to have the Securities represented by the Global Security registered in their names, will not receive or be entitled to receive physical delivery of the Securities in definitive form and will not be considered the owners or Holders of the Securities under the Indenture. Accordingly, each Agent Member owning a beneficial interest in a registered Global Security must rely on the procedures of the Depositary for that registered Global Security and, if that person is not an Agent Member, on the procedures of the Agent Member through which the person owns its interest, to exercise any rights of a Holder under the Indenture. Notwithstanding the foregoing, the Depositary or its nominee may grant proxies and otherwise authorize any Person (including any Agent Member and any Person that holds a beneficial interest in a Global Security through an Agent Member) to take any action which a Holder is entitled to take under the Indenture or the Securities, and nothing herein will impair, as between the Depositary and its Agent Members, the operation of customary practices governing the exercise of the rights of a Holder of any Security.

Principal, premium, if any, and interest payments on Securities represented by a Global Security registered in the name of the Depositary or its nominee will be made to the Depositary or its nominee, as the case may be, as the registered owner of the registered Global Security. None of the Issuer, the Trustee or any other agent of the Issuer, or any agent of the Trustee will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered Global Security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

If at any time the Depositary for a series of the Securities notifies the Issuer that it is unwilling or unable to continue as Depositary for such series or if at any time the Depositary for such series shall no longer be registered or in good standing under the Exchange Act, or other applicable statute or regulation, and a successor Depositary for such series is not appointed by the Issuer within 90 days after the Issuer receives such notice or becomes aware of such condition, as the case may be, this Section 2.13 shall no longer be applicable to the Securities

of such series and the Issuer will execute, and subject to Section 2.08, the Trustee will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. In addition, the Issuer may at any time determine that the Securities of any series shall no longer be represented by a Global Security and that the provisions of this Section 2.13 shall no longer apply to the Securities of such series. In such event the Issuer will execute and subject to Section 2.08, the Trustee, upon receipt of an Officer's Certificate evidencing such determination by the Issuer, will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. Upon the exchange of the Global Security for such Securities in definitive registered form without coupons, in authorized denominations, the Global Security shall be cancelled by the Trustee. Such Securities in definitive registered form issued in exchange for the Global Security pursuant to this Section 2.13 shall be registered in such names and in such authorized denominations as the Depository, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee in writing. The Issuer and the Trustee shall be entitled to conclusively rely on such instructions from the Depository. The Trustee shall deliver such Securities to the Depository for delivery to the Persons in whose names such Securities are so registered.

Section 2.14. *CUSIP Numbers*. The Issuer in issuing the Securities may use "CUSIP" numbers (if then generally in use), and, if so, the Trustee shall use "CUSIP" numbers in notices of redemption as a convenience to Holders; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Securities or as contained in any notice of a redemption and that reliance may be placed only on the other identification numbers printed on the Securities, and any such redemption shall not be affected by any defect in or omission of such numbers. The Issuer will promptly notify the Trustee in writing of any change in the "CUSIP" numbers.

ARTICLE 3 COVENANTS OF THE ISSUER

Section 3.01. *Payment of Principal and Interest*. (a) The Issuer covenants and agrees for the benefit of each series of Securities that it will duly and punctually pay or cause to be paid the principal of, and interest on, each of the Securities of such series at the place or places, at the respective times and in the manner provided in such Securities. The Issuer shall pay interest (including post-petition interest in any proceeding under any Bankruptcy Law) on overdue principal on each series of Securities at the rate specified in the terms of such series of Securities to the extent lawful; it shall pay interest (including post-petition interest in any proceeding under any Bankruptcy Law) on overdue installments of interest (without regard to any applicable grace period) at the same rate to the extent lawful. Unless otherwise provided in the Securities of any series, not later than 11:00 A.M. (New York City time) on the due date of any principal of or interest on any Securities, the Issuer will deposit with the Trustee (or paying agent) money in immediately available funds sufficient to pay such amounts, provided that if the Issuer or any affiliate of the Issuer is acting as paying agent, it will, on or before each due date, segregate and hold in a separate trust fund for the benefit of the Holders a sum of money sufficient to pay such amounts until paid to such Holders or otherwise disposed of as provided in the Indenture. In each case the Issuer will promptly notify the Trustee of its compliance with this paragraph.

(b) An installment of principal or interest will be considered paid on the date due if the Trustee (or paying agent, other than the Issuer or any affiliate of the Issuer) holds on that date money designated for and sufficient to pay the installment. If the Issuer or any affiliate of the Issuer acts as paying agent, an installment of principal or interest will be considered paid on the due date only if paid to the Holders.

(c) Payments in respect of the Securities represented by the Global Security are to be made by wire transfer of immediately available funds to the accounts specified by the Depository with respect to the Global Security. With respect to certificated Securities, the Issuer will make all payments by wire transfer of immediately available funds to the accounts specified by the Holders thereof or, if no such account is specified, by mailing a check to each Holder's registered address.

Section 3.02. *Offices for Payments, etc.* So long as any of the Securities remain Outstanding, the Issuer will maintain in New York City, the following for each series: an office or agency (a) where the Securities may be presented for payment, (b) where the Securities may be presented for registration of transfer and for exchange as in the Indenture provided and (c) where notices and demands to or upon the Issuer in respect of the Securities or of the Indenture may be given or served. The Issuer will give to the Trustee written notice of the location of any such office or agency and of any change of location thereof. Unless otherwise specified in accordance with Section 2.03, the Issuer hereby initially designates the [Corporate Trust Office of Wells Fargo Bank, National Association at 1 Independent Drive, Suite 620, Jacksonville, FL 32202, Attention: Corporate Trust Services, as the office to be maintained by it for each such purpose. In case the Issuer shall fail to so designate or maintain any such office or agency or shall fail to give such notice of the location or of any change in the location thereof, presentations and demands may be made and notices may be served at the applicable Corporate Trust Office of the Trustee and the Issuer hereby appoints the Trustee as its agent to receive all such presentations, notices and demands.

Section 3.03. *Paying Agents.* Whenever the Issuer shall appoint a paying agent other than the Trustee with respect to the Securities of any series, it will cause such paying agent to execute and deliver to the Trustee an instrument in which such agent shall agree with the Trustee, subject to the provisions of this Section,

(a) that it will hold all sums received by it as such agent for the payment of the principal of or interest on the Securities of such series (whether such sums have been paid to it by the Issuer or by any other obligor on the Securities of such series) in trust for the benefit of the holders of the Securities of such series or of the Trustee,

(b) that it will give the Trustee notice of any failure by the Issuer (or by any other obligor on the Securities of such series) to make any payment of the principal of or interest on the Securities of such series when the same shall be due and payable,

(c) pay any such sums so held in trust by it to the Trustee upon the Trustee's written request at any time during the continuance of the failure referred to in clause 3.03(b) above, and

(d) that it will perform all other duties of paying agent as set forth in the Indenture.

The Issuer shall, on or prior to each due date of the principal of or interest on the Securities of such series, deposit with the paying agent a sum sufficient to pay such principal or interest so becoming due, and (unless such paying agent is the Trustee) the Issuer shall promptly notify the Trustee of any failure to take such action.

If an Issuer shall act as its own paying agent with respect to the Securities of any series, it will, on or before each due date of the principal of or interest on the Securities of such series, set aside, segregate and hold in trust for the benefit of the holders of the Securities of such series a sum sufficient to pay such principal or interest so becoming due. The Issuer will promptly notify the Trustee of any failure to take such action.

Anything in this section to the contrary notwithstanding, the Issuer may at any time, for the purpose of obtaining a satisfaction and discharge with respect to one or more or all series of Securities hereunder, or for any other reason, pay or cause to be paid to the Trustee all sums held in trust for any such series by the Issuer or any paying agent hereunder, as required by this Section, such sums to be held by the Trustee upon the trusts herein contained.

Anything in this section to the contrary notwithstanding, the agreement to hold sums in trust as provided in this section is subject to the provisions of Section 9.05 and 9.06.

Section 3.04. *Certificate of the Issuer.* The Issuer will furnish to the Trustee on or before 120 days after the end of each fiscal year (beginning with the fiscal year ended December 31, 2019) a brief certificate (which need not comply with Section 10.05) from the principal executive, financial or accounting officer or the Treasurer of the Issuer as to his or her knowledge of the Issuer's compliance with all conditions and covenants under the Indenture (such compliance to be determined without regard to any period of grace or requirement of notice provided under the Indenture), or if there has been a default, specifying the default and its nature and status.

Section 3.05. *Reports by the Issuer.* The Issuer will furnish to the Trustee any document or report the Issuer is required to file with the Commission pursuant to Section 13 or 15(d) of the Exchange Act within 15 days after such document or report is filed with the Commission.

Section 3.06. *Existence.* Except as permitted under Article 8, the Issuer covenants to do or cause to be done all things necessary to preserve and keep in full force and effect its existence, rights and franchises; provided, however, that the Issuer shall not be required to preserve any right or franchise if it determines that its preservation is no longer desirable in the conduct of business.

ARTICLE 4

REMEDIES OF THE TRUSTEE AND HOLDERS ON EVENT OF DEFAULT

Section 4.01. *Event of Default; Acceleration of Maturity; Waiver of Default.* An “**Event of Default**” with respect to Securities of any series means the occurrence of one or more of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law or pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

(a) the failure to pay interest on any Security of such series when the same becomes due and payable and the default continues for a period of 60 days or more;

(b) the failure to pay the principal or premium, if any, of any Security of such series, when the same becomes due and payable, at maturity, upon acceleration, upon redemption or otherwise;

(c) a default in the performance, or breach, of the obligations of the Issuer under Section 8.01 of this Indenture;

(d) a default in the observance or performance of any other covenant or agreement contained in this Indenture which default continues for a period of 60 days after the Issuer receives written notice specifying the default (and demanding that such default be remedied) from the Trustee or the Holders of at least a majority of the Outstanding aggregate principal amount of each series of Securities affected, voting together as a single class;

(e) (i) a failure by the Issuer to make any payment, at the stated maturity, on any Indebtedness of the Issuer (other than Indebtedness owing to any of its Subsidiaries) in an amount in excess of \$150.0 million or its foreign currency equivalent at the time outstanding under or evidenced by any single indenture or instrument, whether such Indebtedness now exists or shall hereafter be created, and such failure shall have continued after any applicable grace period or (ii) a default on any Indebtedness of the Issuer (other than Indebtedness owing to any of its Subsidiaries), whether such Indebtedness now exists or shall hereafter be created, which default results in such Indebtedness being accelerated or otherwise declared due and payable prior to the stated maturity thereof in an amount in excess of \$150.0 million or its foreign currency equivalent at the time, in the case of each of clauses (i) and (ii) above, without such Indebtedness having been discharged or the acceleration having been cured, waived, rescinded or annulled; provided, however, that if any failure, default or acceleration referred to in clauses (i) or (ii) ceases or is cured, waived, rescinded or annulled, then the Event of Default shall be deemed cured;

(f) the Issuer or any Significant Subsidiary of the Issuer:

(i) commences a voluntary case under any Bankruptcy Law;

(ii) consents to the entry of an order for relief against it in an involuntary case under any Bankruptcy Law;

(iii) consents to the appointment of a custodian or receiver of it or for all or substantially all of its property;

(iv) makes a general assignment for the benefit of its creditors; or

(v) admits in writing its inability to pay its debts as they become due;

(g) a court of competent jurisdiction enters an order or decree under any Bankruptcy Law that:

(i) is for relief in an involuntary case against the Issuer or any Significant Subsidiary of the Issuer;

(ii) appoints a custodian or receiver of the Issuer or any Significant Subsidiary or for all or substantially all of the property of any of the foregoing;

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- (iii) orders the liquidation of the Issuer or any of its Significant Subsidiaries; or
 - (iv) and the order or decree remains unstayed and in effect for 60 consecutive days; or

(h) any other Event of Default provided in the Officer's Certificate, supplemental indenture or Resolution of the Board of Directors under which such series of Securities is issued or in the form of Security for such series.

If an Event of Default described in clauses 4.01(a), (b), (c), (d), (e), or (h) above (if the Event of Default under clause (d), (e) or (h) above is with respect to less than all series of Securities then Outstanding) occurs and is continuing, then, and in each and every such case, unless the principal of all of the Securities of such series shall have already become due and payable, the Trustee may, and at the direction of the holders of not less than 25% in aggregate principal amount of the Securities of each such series affected that is then Outstanding hereunder (voting together as a single class) by notice in writing to the Issuer (and to the Trustee if given by Holders), shall declare the entire principal (or, if the Securities of such series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of such series) of all Outstanding Securities of each such series, together with all accrued and unpaid interest and premium, if any, to be due and payable immediately, and upon any such declaration the same shall become immediately due and payable.

If an Event of Default described in clauses Section 4.01(f) or Section 4.01(g) above occurs and is continuing, then the entire principal amount of the Outstanding Securities will automatically become due immediately and payable without any declaration or other act on the part of the Trustee or any Holder.

Notwithstanding the foregoing, the Holders of a majority in principal amount of the Outstanding Securities of one or more series (voting together as a single class) by written notice to the Issuer and to the Trustee may on behalf of the Holders of all Securities of each such series affected waive all past defaults and rescind and annul a declaration of acceleration and its consequences if:

- (i) the rescission would not conflict with any judgment or decree;
- (ii) all existing Events of Default have been cured or waived except nonpayment of principal or interest that has become due solely because of the acceleration;
- (iii) to the extent the payment of such interest is lawful, if interest on overdue installments of interest and overdue principal (and premium, if any), which has become due otherwise than by such declaration of acceleration, has been paid;
- (iv) the Issuer has paid the Trustee its reasonable compensation and reimbursed the Trustee for its expenses, disbursements and advances; and
- (v) in the event of the cure or waiver of an Event of Default of the type described in Sections 4.01(f) or 4.01(g), the Trustee shall have received an Officer's Certificate and an Opinion of Counsel that such Event of Default has been cured or waived.

No such rescission shall affect any subsequent Event of Default or impair any right consequent thereto.

For all purposes under the Indenture, if a portion of the principal of any Original Issue Discount Securities shall have been accelerated and declared due and payable pursuant to the provisions hereof, then, from and after such declaration, unless such declaration has been rescinded and annulled, the principal amount of such Original Issue Discount Securities shall be deemed, for all purposes hereunder, to be such portion of the principal thereof as shall be due and payable as a result of such acceleration, and payment of such portion of the principal thereof as shall be due and payable as a result of such acceleration, together with interest, if any, thereon and all other amounts owing thereunder, shall constitute payment in full of such Original Issue Discount Securities.

Section 4.02. *Collection of Indebtedness by Trustee; Trustee May Prove Debt.* The Issuer covenants that (a) in case default shall be made in the payment of any installment of interest on any of the Securities of any series when such interest shall have become due and payable, and such default shall have continued for a period of 30 days or (b) in case default shall be made in the payment of all or any part of the principal of any of the Securities of any series when the same shall have become due and payable, whether upon maturity of the Securities of such series or upon any redemption or by declaration or otherwise—then upon demand of the Trustee, the Issuer will pay to the Trustee for the benefit of the Holders of the Securities of such series the whole amount that then shall have become due and payable on all Securities of such series for principal or interest, as the case may be (with interest to the date of such payment upon the overdue principal and, to the extent that payment of such interest is enforceable under applicable law, on overdue installments of interest at the same rate as the rate of interest or Yield to Maturity (in the case of Original Issue Discount Securities) specified in the Securities of such series); and in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including reasonable compensation to the Trustee and each predecessor Trustee, their respective agents, attorneys and counsel, and any expenses and liabilities incurred by the Trustee and each predecessor Trustee except as a result of its negligence or willful misconduct.

Until such demand is made by the Trustee, the Issuer may pay the principal of and interest on the Securities of any series to the registered holders, whether or not the principal of and interest on the Securities of such series be overdue.

In case the Issuer shall fail forthwith to pay such amounts upon such demand, the Trustee, in its own name and as trustee of an express trust, shall be entitled and empowered to institute any action or proceedings at law or in equity for the collection of the sums so due and unpaid, and may prosecute any such action or proceedings to judgment or final decree, and may enforce any such judgment or final decree against the Issuer or other obligor upon such Securities and collect in the manner provided by law out of the property of the Issuer or other obligor upon such Securities, wherever situated, the moneys adjudged or decreed to be payable.

In case there shall be pending proceedings relative to the Issuer or any other obligor upon the Securities under Bankruptcy Law, or in case a receiver, assignee or trustee in bankruptcy or reorganization, liquidator, sequestrator or similar official shall have been appointed for or taken possession of the Issuer or its property or such other obligor, or in case of any other comparable judicial proceedings relative to the Issuer or other obligor upon the Securities of any series, or to the creditors or property of the Issuer or such other obligor, the

Trustee, irrespective of whether the principal of any Securities shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand pursuant to the provisions of this Section, shall be entitled and empowered, by intervention in such proceedings or otherwise:

(a) to file and prove a claim or claims for the whole amount of principal and interest (or, if the Securities of any series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of such series) owing and unpaid in respect of the Securities of any series, and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for reasonable compensation to the Trustee and each predecessor Trustee, and their respective agents, attorneys and counsel, and for reimbursement of all expenses and liabilities incurred, and all advances made, by the Trustee and each predecessor Trustee, except as a result of negligence or bad faith) and of the Holders allowed in any judicial proceedings relative to the Issuer or other obligor upon the Securities of any series, or to the creditors or property of the Issuer or such other obligor,

(b) unless prohibited by applicable law and regulations, to vote on behalf of the holders of the Securities of any series in any election of a trustee or a standby trustee in arrangement, reorganization, liquidation or other bankruptcy or insolvency proceedings or person performing similar functions in comparable proceedings, and

(c) to collect and receive any moneys or other property payable or deliverable on any such claims, and to distribute all amounts received with respect to the claims of the Holders and of the Trustee on their behalf; and any trustee, receiver, or liquidator, custodian or other similar official is hereby authorized by each of the Holders to make payments to the Trustee, and, in the event that the Trustee shall consent to the making of payments directly to the Holders, to pay to the Trustee such amounts as shall be sufficient to cover reasonable compensation to the Trustee, each predecessor Trustee and their respective agents, attorneys and counsel, and all other expenses and liabilities incurred, and all advances made, by the Trustee and each predecessor Trustee except as a result of negligence or bad faith and all other amounts due to the Trustee or any predecessor Trustee pursuant to Section 5.07.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or vote for or accept or adopt on behalf of any Holder any plan or reorganization, arrangement, adjustment or composition affecting the Securities of any series or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder in any such proceeding except, as aforesaid, to vote for the election of a trustee in bankruptcy or similar person.

All rights of action and of asserting claims under the Indenture, or under any of the Securities, may be enforced by the Trustee without the possession of any of the Securities or the production thereof on any trial or other proceedings relative thereto, and any such action or proceedings instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery of judgment, subject to the payment of the reasonable expenses, disbursements and compensation of the Trustee, each predecessor Trustee and their respective agents and attorneys, shall be for the ratable benefit of the holders of the Securities in respect of which such action was taken.

In any proceedings brought by the Trustee (and also any proceedings involving the interpretation of any provision of the Indenture to which the Trustee shall be a party) the Trustee shall be held to represent all the holders of the Securities in respect to which such action was taken, and it shall not be necessary to make any holders of such Securities parties to any such proceedings.

Section 4.03. *Application of Proceeds*. Any moneys collected by the Trustee pursuant to this Article in respect of any series shall be applied in the following order at the date or dates fixed by the Trustee and, in case of the distribution of such moneys on account of principal or interest, upon presentation of the several Securities in respect of which moneys have been collected and stamping (or otherwise noting) thereon the payment, or issuing Securities of such series in reduced principal amounts in exchange for the presented Securities of like series if only partially paid, or upon surrender thereof if fully paid:

FIRST: To the payment of costs and expenses applicable to such series in respect of which moneys have been collected, including reasonable compensation to the Trustee and each predecessor Trustee and their respective agents and attorneys and of all expenses and liabilities incurred by the Trustee and each predecessor Trustee except as a result of negligence or bad faith, and all other amounts due to the Trustee or any predecessor Trustee pursuant to Section 5.07;

SECOND: In case the principal of the Securities of such series in respect of which moneys have been collected shall not have become and be then due and payable, to the payment of interest on the Securities of such series in default in the order of the maturity of the installments of such interest, with interest (to the extent that such interest has been collected by the Trustee) upon the overdue installments of interest at the same rate as the rate of interest or Yield to Maturity (in the case of Original Issue Discount Securities) specified in such Securities, such payments to be made ratably to the persons entitled thereto, without discrimination or preference;

THIRD: In case the principal of the Securities of such series in respect of which moneys have been collected shall have become and shall be then due and payable, to the payment of the whole amount then owing and unpaid upon all the Securities of such series for principal and interest, with interest upon the overdue principal, and (to the extent that such interest has been collected by the Trustee) upon overdue installments of interest at the same rate as the rate of interest or Yield to Maturity (in the case of Original Issue Discount Securities) specified in the Securities of such series; and in case such moneys shall be insufficient to pay in full the whole amount so due and unpaid upon the Securities of such series, then to the payment of such principal and interest or yield to maturity, without preference or priority of principal over interest or yield to maturity, or of interest or yield to maturity over principal, or of any installment of interest over any other installment of interest, or of any Security of such series over any other Security of such series, ratably to the aggregate of such principal and accrued and unpaid interest or yield to maturity; and

FOURTH: To the payment of the remainder, if any, to the Issuer or any other person lawfully entitled thereto.

Section 4.04. *Suits for Enforcement*. In case an Event of Default has occurred, has not been waived and is continuing, the Trustee may in its discretion proceed to protect and enforce the rights vested in it by the Indenture by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any of such rights, either at law or in equity or in bankruptcy or otherwise, whether for the specific enforcement of any covenant or agreement contained in the Indenture or in aid of the exercise of any power granted in the Indenture or to enforce any other legal or equitable right vested in the Trustee by the Indenture or by law.

Section 4.05. *Restoration of Rights on Abandonment of Proceedings.* In case the Trustee shall have proceeded to enforce any right under the Indenture and such proceedings shall have been discontinued or abandoned for any reason, or shall have been determined adversely to the Trustee, then and in every such case the Issuer and the Trustee shall be restored respectively to their former positions and rights hereunder, and all rights, remedies and powers of the Issuer, the Trustee and the Holders shall continue as though no such proceedings had been taken.

Section 4.06. *Limitations on Suits by Holder.* No Holder of any Security of any series shall have any right by virtue or by availing of any provision of the Indenture to institute any action or proceeding at law or in equity or in bankruptcy or otherwise upon or under or with respect to the Indenture, or for the appointment of a trustee, receiver, liquidator, custodian or other similar official or for any other remedy hereunder, unless (i) such holder previously shall have given to the Trustee written notice of default and of the continuance thereof, as hereinbefore provided; (ii) the Holders of not less than 25% in aggregate principal amount of the Securities of each such series affected that is then Outstanding (voting together as a single class) shall have made written request upon the Trustee to institute such action or proceedings in its own name as trustee hereunder; (iii) such Holder or Holders shall have offered to the Trustee such indemnity as it may reasonably require against the costs, expenses and liabilities to be incurred in compliance with such request; (iv) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity shall have failed to institute any such action or proceeding; and (v) no direction inconsistent with such written request shall have been given to the Trustee during such 60-day period by the Holders of a majority in aggregate principal amount of the Securities of each series affected then Outstanding. It is understood and intended, and expressly covenanted by the taker and Holder of every Security with every other taker and Holder and the Trustee, that no one or more Holders of any series shall have any right in any manner whatever by virtue or by availing of any provision of the Indenture to affect, disturb or prejudice the rights of any other such Holder, or to obtain or seek to obtain priority over or preference to any other such Holder or to enforce any right under the Indenture, except in the manner herein provided and for the equal, ratable and common benefit of all Holders of the applicable series. For the protection and enforcement of the provisions of this Section, each and every Holder and the Trustee shall be entitled to such relief as can be given either at law or in equity.

Section 4.07. *Unconditional Right of Holders to Institute Certain Suits.* Notwithstanding any other provision in the Indenture and any provision of any Security, the right of any Holder of any Security to receive payment of principal, premium, if any, and interest on such Security on or after the respective due dates expressed in such Security, or to institute suit for the enforcement of any such payment on or after such respective dates, shall not be impaired or affected without the consent of such Holder.

Section 4.08. *Powers and Remedies Cumulative; Delay or Omission Not Waiver of Default.* Except as provided in Section 4.06, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

No delay or omission of the Trustee or of any Holder to exercise any right or power accruing upon any Event of Default occurring and continuing as aforesaid shall impair any such right or power or shall be construed to be a waiver of any such Event of Default or an acquiescence therein; and, subject to Section 4.06, every power and remedy given by the Indenture or by law to the Trustee or to the Holders may be exercised from time to time, and as often as shall be deemed expedient, by the Trustee or by the Holders.

Section 4.09. *Control by Holders.* The Holders of a majority in aggregate principal amount of the Securities of each series affected (voting together as a single class) at the time Outstanding shall have the right to direct the time, method, and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee with respect to the Securities of each such series by the Indenture; provided, however, that such direction shall not be otherwise than in accordance with law and the provisions of the Indenture. Subject to the provisions of Section 5.01, the Trustee shall have the right to decline to follow any such direction if the Trustee, being advised by counsel, shall determine that the action or proceeding so directed may not lawfully be taken or if the Trustee in good faith shall determine that the action or proceedings so directed would involve the Trustee in personal liability or if the Trustee in good faith shall determine that the actions or forbearances specified in or pursuant to such direction would be unduly prejudicial to the interests of Holders of the Securities of all series so affected not joining in the giving of said direction, it being understood that (subject to Section 5.01) the Trustee shall have no duty to ascertain whether or not such actions or forbearances are unduly prejudicial to such Holders.

Nothing in the Indenture shall impair the right of the Trustee in its discretion to take any action deemed proper by the Trustee and which is not inconsistent with such direction or directions by Holders.

Section 4.10. *Waiver of Past Defaults.* Except as otherwise provided in Sections 4.01, 4.07 and Section 7.02, the Holders of a majority in aggregate principal amount of the Outstanding Securities of one or more series (voting together as a single class) may, by notice to the Trustee, on behalf of the Holders of all Securities of each such series waive an existing default and its consequences. Upon such waiver, the default will cease to exist, and any Event of Default arising therefrom will be deemed to have been cured, but no such waiver will extend to any subsequent or other default or impair any right consequent thereon.

Section 4.11. *Trustee to Give Notice of Default, But May Withhold in Certain Circumstances.* The Trustee shall give to the Holders of any series, as the names and addresses of such Holders appear on the registry books, notice by mail of all defaults known to the Trustee which have occurred with respect to such series, such notice to be transmitted within 45 days after the occurrence thereof, unless such defaults shall have been cured before the giving of such notice (the term “default” or “defaults” for the purposes of this section being hereby defined to mean any event or condition which is, or with notice or lapse of time or both would become, an Event of Default); provided that, except in the case of default in the payment of the principal of or interest on any of the Securities of such series, or in the payment of any sinking or purchase fund installment with respect to the Securities of such series, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee, or a trust committee of directors or trustees and/or responsible officers of the Trustee in good faith determines that the withholding of such notice is in the interests of the Holders of such series.

Section 4.12. *Right of Court to Require Filing of Undertaking to Pay Costs.* In any suit for the enforcement of any right or remedy under the Indenture or in any suit against the Trustee for any action taken or omitted by it as Trustee, a court may require any party litigant in such suit (other than the Trustee) to file an undertaking to pay the costs of the suit, and the court may assess reasonable costs, including reasonable attorneys' fees, against any party litigant (other than the Trustee) in the suit having due regard to the merits and good faith of the claims or defenses made by the party litigant. This Section does not apply to a suit by a Holder to enforce payment of principal of or interest on any Security on the respective due dates.

ARTICLE 5
CONCERNING THE TRUSTEE

Section 5.01. *Duties and Responsibilities of the Trustee; During Default; Prior to Default.*

(a) The duties and responsibilities of the Trustee are as provided by the Trust Indenture Act and as set forth herein. Whether or not expressly so provided, every provision of the Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee is subject to this Article.

(b) Except during the continuance of an Event of Default, the Trustee need perform only those duties that are specifically set forth in the Indenture and no others, and no implied covenants or obligations will be read into the Indenture against the Trustee. In case an Event of Default of which a Responsible Officer shall have actual knowledge or shall have received written notice from the Issuer or any holder of Securities of any series has occurred and is continuing, the Trustee shall exercise those rights and powers vested in it by the Indenture, and use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs.

(c) No provision of the Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act or its own willful misconduct.

Section 5.02. *Trustee's Obligations with Respect to the Covenants.* The Trustee shall not be obligated to monitor or confirm, on a continuing basis or otherwise, the Issuer's compliance with the covenants contained in Article 4 or with respect to any reports or other documents filed under the Indenture; provided, however, that nothing herein shall relieve the Trustee of any obligations to monitor the Issuer's timely delivery of all reports and certificates required under Section 3.04 and Section 3.05 of the Indenture and to fulfill its obligations under Article 5 hereof.

Section 5.03. *Moneys Held by Trustee.* Subject to the provisions of Section 9.06 hereof, all moneys received by the Trustee shall, until used or applied as herein provided, be held in trust for the purposes for which they were received, but need not be segregated from other funds except to the extent required by law. Neither the Trustee nor any agent of the Issuer or the Trustee shall be liable for interest on any money received by it hereunder except such as it may agree with the Issuer in writing to pay thereon.

Section 5.04. *Reports by the Trustee to Holders.* Within 60 days after each May 15, beginning with May 15, 2019, the Trustee will mail to each Holder, as provided in Trust Indenture Act Section 313(c), a brief report dated as of such May 15, if required by Trust Indenture Act Section 313(a), and file such reports with each stock exchange upon which its Securities are listed and with the Commission if, and to the extent, required by Trust Indenture Act Section 313(d).

The Trustee shall comply with Section 313(b) and 313(c) of the Trust Indenture Act.

A copy of each such report shall, at the time of such transmission to Holders, be filed by the Trustee with the Issuer, with each stock exchange upon which any Securities are listed (if so listed) and also with the Commission.

Section 5.05. *Certain Rights of the Trustee.* Subject to Trust Indenture Act Sections 315(a) through (d):

(a) In the absence of bad faith on its part, the Trustee may rely, and will be protected in acting or refraining from acting, upon any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of indebtedness or other paper or document believed by it to be genuine and to have been signed or presented by the proper Person. The Trustee need not investigate any fact or matter stated in the document, but, in the case of any document which is specifically required to be furnished to the Trustee pursuant to any provision hereof, the Trustee shall examine the document to determine whether it conforms to the requirements of the Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts stated therein). The Trustee, in its discretion, may make further inquiry or investigation into such facts or matters as it sees fit.

(b) Before the Trustee acts or refrains from acting, it may require an Officer's Certificate or an Opinion of Counsel conforming to Section 10.05 and the Trustee will not be liable for any action it takes or omits to take in good faith in reliance on the certificate or opinion.

(c) The Trustee may act through its attorneys and agents and will not be responsible for the misconduct or negligence of any attorney or agent appointed by the Trustee with due care.

(d) The Trustee will be under no obligation to exercise any of the rights or powers vested in it by the Indenture or to institute, conduct or defend any litigation hereunder or in relation hereto at the request or direction of any of the Holders, unless such Holders have offered to the Trustee security or indemnity as it may reasonably require against the costs, expenses and liabilities that might be incurred by it in compliance with such request or direction.

(e) The Trustee will not be liable in its individual capacity for any action it takes, suffers or omits to take in good faith that it believes to be authorized or within its rights or powers or for any action it takes or omits to take in accordance with the direction of the Holders in accordance with Section 4.09 relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee, under the Indenture.

(f) The Trustee may consult with counsel, and any advice of such counsel or any Opinion of Counsel will be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon.

(g) No provision of the Indenture will require the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of its duties hereunder, or in the exercise of its rights or powers, unless it receives indemnity satisfactory to it against any loss, liability or expense.

(h) The Trustee shall not be liable in its individual capacity for an error in judgment made in good faith by a Responsible Officer or other officers of the Trustee, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts.

(i) The Trustee shall not be personally liable for any action taken, suffered or omitted by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by the Indenture.

(j) The Trustee shall have no duty to see to any recording, filing or depositing of the Indenture or any agreement referred to herein or any financing statement or continuation statement evidencing a security interest, or to see to the maintenance of any such re-recording or re-filing or re-depositing thereof.

(k) The Trustee shall not be required to take notice or be deemed to have notice or knowledge of any default or Event of Default unless a Responsible Officer of the Trustee shall have received written notice from the Issuer or any holder of the Securities or obtained actual knowledge thereof. In the absence of receipt of such notice or actual knowledge, the Trustee may conclusively assume that there is no default or Event of Default.

Section 5.06. *Trustee and Agents May Hold Securities; Collections, etc.* The Trustee or any agent of the Issuer or the Trustee, in its individual or any other capacity, may become the owner or pledgee of Securities with the same rights it would have if it were not the Trustee or such agent and may otherwise deal with the Issuer and receive, collect, hold and retain collections from the Issuer with the same rights it would have if it were not the Trustee or such agent.

Section 5.07. *Compensation and Indemnification of Trustee and Its Prior Claim.* (a) The Issuer will pay the Trustee compensation as agreed upon in writing for its services. The compensation of the Trustee is not limited by any law on compensation of a Trustee of an express trust. The Issuer will reimburse the Trustee upon request for all reasonable out-of-pocket expenses, disbursements and advances incurred or made by the Trustee, (including the reasonable compensation and the expenses and disbursements of its counsel and of all agents and other persons not regularly in its employ) except to the extent any such expense, disbursement or advance may arise from its negligence or bad faith. The Issuer also covenants to indemnify the Trustee, its directors, officers, employees and agents and each predecessor Trustee, its directors, officers, employees and agents for, and to hold each of them harmless against, any loss, liability or expense arising out of or in connection with the acceptance or administration of the Indenture or the trusts hereunder and the performance of its duties hereunder and under the Securities, including the costs and expenses of defending itself against or investigating any claim of liability in the premises and the costs and expenses of defending itself against any claim or liability and of complying with any process served upon it or any of its officers and the enforcement of the Indenture (including this section), except to the extent such loss liability or expense is due to the negligence or willful misconduct of the Trustee or such predecessor Trustee.

Anything in the Indenture to the contrary notwithstanding, in no event shall the Trustee be liable for special, indirect or consequential loss or damage of any kind whatsoever (including but not limited to lost profits) unless it shall be proved that the Trustee was grossly negligent in acting or failing to act.

(b) To secure the Issuer's payment obligations in this Section, the Trustee will have a lien prior to the Securities on all money or property held or collected by the Trustee, in its capacity as Trustee, except money or property held in trust to pay principal of, and interest on particular Securities.

The obligations of the Issuer under this Section 5.07 shall survive the resignation and removal of the Trustee and payment of the Securities, and shall extend to any co-trustee or separate trustee.

Section 5.08. *Right of Trustee to Rely on Officer's Certificate, etc.* Subject to Sections 5.01 and Section 5.05, whenever in the administration of the trusts of the Indenture the Trustee shall deem it necessary or desirable that a matter be proved or established prior to taking or suffering or omitting any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may, in the absence of negligence or bad faith on the part of the Trustee, be deemed to be conclusively proved and established by an Officer's Certificate delivered to the Trustee, and such certificate, in the absence of negligence or bad faith on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted by it under the provisions of the Indenture upon the faith thereof.

Section 5.09. *Disqualification; Conflicting Interests.* If the Trustee has or shall acquire any "conflicting interest" within the meaning of Section 310 (b) of the Trust Indenture Act, the Trustee and the Issuer shall in all respects comply with the provisions of Section 310(b) of the Trust Indenture Act.

Section 5.10. *Persons Eligible for Appointment as Trustee.* The Indenture must always have a Trustee that satisfies the requirements of Trust Indenture Act Section 310(a) and has a combined capital and surplus of at least \$25,000,000 as set forth in its most recent published annual report of condition.

Section 5.11. *Resignation and Removal; Appointment of Successor Trustee.*

(a) The Trustee, or any trustee or trustees hereafter appointed, may at any time resign with respect to one or more or all series of Securities by giving written notice of resignation to the Issuer and by mailing notice thereof by first class mail to Holders of the applicable series of Securities at their last addresses as they shall appear on the Register. Upon receiving such notice of resignation, the Issuer shall promptly appoint a successor trustee or trustees with respect to the applicable series by written instrument in duplicate, executed by authority of the Board of Directors, one copy of which instrument shall be delivered to the resigning Trustee and one copy to the successor trustee or trustees. If no successor trustee shall have been so appointed with respect to any series and have accepted appointment within 30 days after the mailing of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor trustee, or any Holder who has been a *bona fide* Holder of a Security or Securities of the applicable series for at least six months may, subject to the provisions of Section 4.12, on behalf of himself and all others similarly situated, petition any such court for the appointment of a successor trustee. Such court may thereupon, after such notice, if any, as it may deem proper and prescribe, appoint a successor trustee.

(b) In case at any time any of the following shall occur:

(i) the Trustee shall fail to comply with the provisions of Section 310(b) of the Trust Indenture Act with respect to any series of Securities after written request therefor by the Issuer or by any Holder who has been a *bona fide* Holder of a Security or Securities of such series for at least six months; or

(ii) the Trustee shall cease to be eligible in accordance with the provisions of Section 310(a) of the Trust Indenture Act and shall fail to resign after written request therefor by the Issuer or by any Holder; or

(iii) the Trustee shall become incapable of acting with respect to any series of Securities, or shall be adjudged a bankrupt or insolvent, or a receiver or liquidator of the Trustee or of its property shall be appointed, or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation;

then, in any such case, the Issuer may remove the Trustee with respect to the applicable series of Securities and appoint a successor trustee for such series by written instrument, in duplicate, executed by order of the Board of Directors of the Issuer, one copy of which instrument shall be delivered to the Trustee so removed and one copy to the successor trustee, or any Holder who has been a *bona fide* Holder of a Security or Securities of such series for at least six months may on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee and the appointment of a successor trustee with respect to such series. Such court may thereupon, after such notice, if any, as it may deem proper and prescribe, remove the Trustee and appoint a successor trustee.

(c) The Holders of a majority in aggregate principal amount of the Securities of each series at the time Outstanding may at any time remove the Trustee with respect to Securities of such series and appoint a successor trustee with respect to the Securities of such series with the consent of the Issuer by delivering to the Trustee so removed, to the successor trustee so appointed and to the Issuer the evidence provided for in Section 6.01 of the action in that regard taken by the Holders.

(d) Any resignation or removal of the Trustee with respect to any series and any appointment of a successor trustee with respect to such series pursuant to any of the provisions of this Section 5.11 shall become effective upon acceptance of appointment by the successor trustee as provided in Section 5.12.

(e) Any successor trustee appointed pursuant to this Section may be appointed with respect to the Securities of one or more series or all of such series, and at any time there shall be only one Trustee with respect to the Securities of any particular series.

Section 5.12. *Acceptance of Appointment by Successor.* Any successor trustee appointed as provided in Section 5.11 shall execute and deliver to the Issuer and to its predecessor trustee an instrument accepting such appointment hereunder, and thereupon the resignation or removal of the predecessor trustee with respect to all or any applicable series shall become effective and such successor trustee, without any further act, deed or conveyance, shall become vested with all rights, powers, duties and obligations with respect to such series of its predecessor hereunder, with like effect as if originally named as trustee for such series hereunder; but, nevertheless, on the written request of the Issuer or of the successor trustee, upon payment of its charges then unpaid, the trustee ceasing to act shall, subject to Section 9.06, pay over to the successor trustee all moneys at the time held by it hereunder and shall execute and deliver an instrument transferring to such successor trustee all such rights, powers, duties and obligations.

If a successor trustee is appointed with respect to the Securities of one or more (but not all) series, the Issuer, the predecessor Trustee and each successor trustee with respect to the Securities of any applicable series shall execute and deliver an indenture supplemental hereto prepared by and at the expense of the Issuer which (1) shall contain such provisions as shall be deemed necessary or desirable to transfer and confirm to, and to vest in, each successor trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor trustee relates, (2) shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the predecessor Trustee with respect to the Securities of any series as to which the predecessor Trustee is not retiring shall continue to be vested in the predecessor Trustee, and (3) shall add to or change any of the provisions of the Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such trustees co-trustees of the same trust and that each such trustee shall be trustee of a trust or trusts under separate indentures.

Upon acceptance of appointment by any successor trustee as provided in this Section 5.12, the Issuer shall mail notice thereof by first-class mail to the Holders of any series for which such successor trustee is acting as trustee at their last addresses as they shall appear in the Register. If the acceptance of appointment is substantially contemporaneous with the resignation, then the notice called for by the preceding sentence may be combined with the notice called for by Section 5.11. If the Issuer fails to mail such notice within ten days after acceptance of appointment by the successor trustee, the successor trustee shall cause such notice to be mailed at the expense of the Issuer.

Section 5.13. *Merger, Conversion, Consolidation or Succession to Business of Trustee.* If the Trustee consolidates with, merges or converts into, or transfers all or substantially all of its corporate trust business to, another corporation or national banking association, the resulting, surviving or transferee corporation or national banking association without any further act will be the successor Trustee with the same effect as if the successor Trustee had been named as the Trustee in the Indenture.

In case at the time such successor to the Trustee shall succeed to the trusts created by the Indenture any of the Securities of any series shall have been authenticated but not delivered, any such successor to the Trustee may adopt the certificate of authentication of any predecessor Trustee and deliver such Securities so authenticated; and, in case at that time any of the Securities of any series shall not have been authenticated, any successor to the Trustee may authenticate such Securities either in the name of any predecessor hereunder or in the name of the successor Trustee; and in all such cases such certificate shall have the full force which it is anywhere in the Securities of such series or in the Indenture provided that the certificate of the Trustee shall have; provided, that the right to adopt the certificate of authentication of any predecessor Trustee or to authenticate Securities of any series in the name of any predecessor Trustee shall apply only to its successor or successors by merger, conversion or consolidation.

Section 5.14. *Preferential Collection of Claims Against the Issuer.* The Trustees shall comply with Section 311(a) of the Trust Indenture Act, excluding any creditor relationship described in Section 311(b) of the Trust Indenture Act. A Trustee who has resigned or been removed shall be subject to Section 311(a) of the Trust Indenture Act to the extent included therein.

Section 5.15. *Trustee's Disclaimer.* The Trustee (i) makes no representation as to the validity or adequacy of the Indenture or the Securities, (ii) is not accountable for the Issuer's use or application of the proceeds from the Securities and (iii) is not responsible for any statement in the Securities other than its certificate of authentication.

ARTICLE 6 CONCERNING THE HOLDERS

Section 6.01. *Evidence of Action Taken by Holders.* Any request, demand, authorization, direction, notice, consent, waiver or other action provided by the Indenture to be given or taken by a specified percentage in principal amount of the Holders of any or all series may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such specified percentage of Holders in person or by agent duly appointed in writing; and, except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments are delivered to the Trustee.

If the Issuer shall solicit from the Holders of any series any request, demand, authorization, direction, notice, consent, waiver or other action, the Issuer may, at its option, as evidenced by an Officer's Certificate, fix in advance a record date for such series for the determination of Holders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other action, but the Issuer shall have no obligation to do so. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other action, may be given before or after the record date, but only the Holders of the requisite proportion of Outstanding Securities of that series who have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other action, and for that purpose the Outstanding Securities of that series shall be computed as of the record date; provided, however, that no such authorization, agreement or consent by such Holders on the record date shall be deemed effective unless it shall become effective pursuant to the provisions of the Indenture not later than six months after the record date.

Proof of execution of any instrument or of a writing appointing any such agent shall be sufficient for any purpose of the Indenture and (subject to Section 5.01 and Section 5.05) conclusive in favor of the Trustee and the Issuer, if made in the manner provided in this Article.

Section 6.02. *Proof of Execution of Instruments and of Holding of Securities; Record Date.* Subject to Section 5.01 and Section 5.05, the execution of any instrument by a Holder or his agent or proxy may be proved in accordance with such reasonable rules and regulations as may be prescribed by the Trustee or in such manner as shall be satisfactory to the Trustee. The holding of Securities shall be proved by the Register or by a certificate of the registrar thereof. The Issuer may set a record date for purposes of determining the identity of Holders of any series entitled to vote or consent to any action referred to in Section 6.01, which record date

may be set at any time or from time to time by notice to the Trustee, for any date or dates (in the case of any adjournment or reconsideration) not more than 60 days nor less than five days prior to the proposed date of such vote or consent, and thereafter, notwithstanding any other provisions hereof, only Holders of such series of record on such record date shall be entitled to so vote or give such consent or revoke such vote or consent. Notice of such record date may be given before or after any request for any action referred to in Section 6.01 is made by the Issuer.

Section 6.03. *Holders to Be Treated as Owners.* Prior to the due presentment for registration of transfer of any Security, the Issuer, the Trustee and any agent of the Issuer or the Trustee may deem and treat the person in whose name any Security shall be registered upon the Register for such series as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notation of ownership or other writing thereon) for the purpose of receiving payment of or on account of the principal of, and, subject to the provisions of the Indenture, interest on such Security and for all other purposes; and neither the Issuer, the Trustee, nor any agent of the Issuer or the Trustee shall be affected by any notice to the contrary. All such payments so made to any such person, or upon his order, shall be valid, and, to the extent of the sum or sums so paid, effectual to satisfy and discharge the liability for moneys payable upon any such Security.

Section 6.04. *Securities Owned by Issuer Deemed Not Outstanding.* In determining whether the Holders of the requisite aggregate principal amount of Outstanding Securities of any or all series have concurred in any direction, consent or waiver under the Indenture, Securities which are owned by the Issuer or any other obligor on the Securities with respect to which such determination is being made or by any person directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer or any other obligor on the Securities with respect to which such determination is being made shall be disregarded and deemed not to be Outstanding for the purpose of any such determination, except that for the purpose of determining whether the Trustee shall be protected in relying on any such direction, consent or waiver only Securities which a Responsible Officer of the Trustee actually knows are so owned, or has received written notice that such Securities are so owned, shall be so disregarded. Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not the Issuer or any other obligor upon the Securities or any person directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer or any other obligor on the Securities. In case of a dispute as to such right, the advice of counsel shall be full protection in respect of any decision made by the Trustee in accordance with such advice. Upon request of the Trustee, the Issuer shall furnish to the Trustee promptly an Officer's Certificate listing and identifying all Securities, if any, known by the Issuer to be owned or held by or for the account of any of the above-described persons; and, subject to Section 5.01 and Section 5.05, the Trustee shall be entitled to accept such Officer's Certificate as conclusive evidence of the facts therein set forth and of the fact that all Securities not listed therein are Outstanding for the purpose of any such determination.

Section 6.05. *Right of Revocation of Action Taken.* At any time prior to (but not after) the evidencing to the Trustee, as provided in Section 6.01, of the taking of any action by the Holders of the percentage in aggregate principal amount of the Securities of any or all series, as the case may be, specified in the Indenture in connection with such action, any Holder of a Security the serial number of which is shown by the evidence to be included among the serial numbers of the Securities the Holders of which have consented to such action may, by filing written

notice at the applicable Corporate Trust Office and upon proof of holding as provided in this Article, revoke such action so far as concerns such Security. Except as aforesaid any such action taken by the Holder of any Security shall be conclusive and binding upon such Holder and upon all future Holders and owners of such Security and of any Securities issued in exchange or substitution therefor, irrespective of whether or not any notation in regard thereto is made upon any such Security. Any action taken by the Holders of the percentage in aggregate principal amount of the Securities of any or all series, as the case may be, specified in the Indenture in connection with such action shall be conclusively binding upon the Issuer, the Trustee and the Holders of all the Securities affected by such action.

ARTICLE 7

AMENDMENTS, SUPPLEMENTS AND WAIVERS

Section 7.01. *Supplemental Indentures without Consent of Holders.* The Issuer and the Trustee may amend the Indenture or the Securities or enter into an indenture supplemental hereto without notice to or the consent of any Holder to

- (a) to cure any ambiguity, defect or inconsistency;
- (b) to provide for uncertificated Securities of any series in addition to or in place of certificated Securities of the applicable series;
- (c) to comply with Article 8 in the case of a merger or consolidation;
- (d) to maintain the qualification of the Indenture under the Trust Indenture Act;
- (e) to evidence and provide for the acceptance of appointment by a successor Trustee;
- (f) to conform the text of this Indenture or the terms of the Securities of any series to any prospectus, offering memorandum, offering circular or any other document pursuant to which the Securities of such series were offered;
- (g) to establish the form or terms of Securities of any series;
- (h) to provide for the assumption by a successor corporation, partnership, trust or limited liability company of the Issuer's obligations to the Holders of the Securities of any series, in each case in compliance with the applicable provisions of the Indenture; or
- (i) to make any change that would provide any additional rights or benefits to the Holders of Securities of any series (including to secure Securities of any series, add guarantees with respect thereto, to add to the covenants of the Issuer for the benefit of the Holders of all or any series of Securities (and if such covenants are to be for the benefit of less than all series of Securities, stating that such covenants are expressly being included solely for the benefit of the applicable series), or to surrender any right or power herein conferred upon the Issuer, or that does not adversely affect the legal rights under this Indenture of any Holder of Securities of any series in any material respect.

The Trustee is hereby authorized to join with the Issuer in the execution of any such amendment or supplemental indenture, to make any further appropriate agreements and stipulations which may be therein contained and to accept the conveyance, transfer, assignment, mortgage or pledge of any property thereunder, but the Trustee shall not be obligated to enter into any such amendment or supplemental indenture which affects the Trustee's own rights, duties or immunities under the Indenture or otherwise.

Any amendment or supplemental indenture authorized by the provisions of this section may be executed without notice to and without the consent of the Holders of any of the Securities at the time Outstanding, notwithstanding any of the provisions of Section 7.02.

Section 7.02. Supplemental Indentures with Consent of Holders.

(a) With the consent (evidenced as provided in Article 6) of either (i) the Holders of not less than a majority in aggregate principal amount of the Securities at the time Outstanding of that series or (ii) the Holders of not less than a majority in aggregate principal amount of the Securities at the time Outstanding of all series affected by such amendment or supplemental indenture (voting together as a single class), the Issuer, when authorized by a resolution of its Board of Directors, and the Trustee may, from time to time and at any time, enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of the Indenture or of any supplemental indenture or of modifying in any manner the rights of the Holders of the Securities of each such series. Except as otherwise provided herein, the Holders of at least a majority in aggregate principal amount of the Securities at the time Outstanding of all series affected by such waiver (voting together as a single class), by notice to the Trustee may waive compliance by the Company with any provision of this Indenture or the Securities with respect to such series.

(b) Notwithstanding the provisions of paragraph (a), without the consent of each affected Holder of a particular series, an amendment, supplement or waiver may not (with respect to any non-consenting Holder):

(i) reduce the aggregate principal amount of Securities of any series at maturity whose Holders must consent to an amendment;

(ii) reduce the rate of or change or have the effect of changing the time for payment of interest, including defaulted interest, on Securities of any series;

(iii) reduce the principal of or change or have the effect of changing the fixed maturity of Securities of any series, or change the date on which Securities of any series may be subject to redemption or repurchase or reduce the redemption price therefor;

(iv) make Securities of any series payable in money other than that stated in the Securities of the applicable series or change the place of payment of the Securities of any series from that stated in the Securities of such series or in the Indenture;

(v) make any change in provisions of the Indenture protecting the right of each Holder to receive payment of principal of and interest on such Holder's Security or Securities on or after the due date thereof or to bring suit to enforce such payment, or permitting Holders of a majority in aggregate principal amount of Securities of each series affected (voting together as a single class) to waive defaults or Events of Default;

(vi) make any change in these amendment and waiver provisions; or

(vii) make any change or modification to the ranking of the Securities of any series that would adversely affect the Holders.

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities, or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series. It shall not be necessary for the consent of the Holders under this section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such consent shall approve the substance thereof.

Section 7.03. *Execution of Amendments or Supplemental Indentures or Waivers.* Upon the request of the Issuer, accompanied by a copy of a Resolution of the Board of Directors certified by the secretary or an assistant secretary of the Issuer authorizing the execution of any such amendment, supplemental indenture or waiver and upon the filing with the Trustee of evidence of the consent of Holders as aforesaid and other documents, if any, required by Section 6.01, the Trustee shall join with the Issuer in the execution of such amendment, supplemental indenture or waiver unless such supplemental indenture or waiver affects the Trustee's own rights, duties or immunities under the Indenture or otherwise, in which case the Trustee may in its discretion, but shall not be obligated to, enter into such amendment, supplemental indenture or waiver.

The Trustee, subject to the provisions of Sections 5.01 and 5.05, may receive an Officer's Certificate and an Opinion of Counsel as conclusive evidence that any amendment, supplemental indenture or waiver executed pursuant to this Article 7 complies with the applicable provisions of the Indenture; provided, however, that such Officer's Certificate and Opinion of Counsel need not be provided in connection with the execution of an amendment, supplemental indenture or waiver that establishes the terms of a series of Securities pursuant to Section 2.01 hereof.

Promptly after the execution by the Issuer and the Trustee of any amendment, supplemental indenture or waiver pursuant to the provisions of this Section, the Issuer shall deliver a notice thereof to the Holders of each series affected thereby at their addresses as they shall appear on the registry books of the Issuer, setting forth in general terms the substance of such amendment, supplemental indenture or waiver. Any failure of the Issuer to deliver such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such amendment, supplemental indenture or waiver.

Section 7.04. *Effect of Amendment, Supplemental Indenture or Waiver.* Upon the execution of any amendment, supplemental indenture or waiver pursuant to the provisions hereof, the Indenture shall be and be deemed to be modified and amended in accordance therewith and the respective rights, limitations of rights, obligations, duties and immunities under the Indenture of the Trustee, the Issuer and the Holders of each series affected thereby shall thereafter be determined, exercised and enforced hereunder subject in all respects to such modifications and amendments, and all the terms and conditions of any such amendment, supplemental indenture or waiver shall be and be deemed to be part of the terms and conditions of the Indenture for any and all purposes.

Section 7.05. *Effect of Consent.* After an amendment, supplement or waiver becomes effective, it will bind every Holder unless it is of the type requiring the consent of each Holder affected. If the amendment, supplement or waiver is of the type requiring the consent of each Holder affected, the amendment, supplement or waiver will bind each Holder that has consented to it and every subsequent Holder of a Security that evidences the same debt as the Security of the consenting Holder.

Section 7.06. *Notation on Securities in Respect of Amendments, Supplemental Indentures or Waivers.* Securities of any series authenticated and delivered after the execution of any amendment, supplemental indenture or waiver pursuant to the provisions of this Article may, but need not, bear a notation in form approved by the Trustee for such series, as to any matter provided for by such amendment, supplemental indenture or waiver or as to any action taken at any such meeting. If the Trustee shall so determine, new Securities of any series so modified as to conform, in the opinion of the Trustee and the Board of Directors of the Issuer, to any modification of the Indenture contained in any such amendment, supplemental indenture or waiver may be prepared by the Issuer, authenticated by the Trustee and delivered in exchange for the Securities of such series then Outstanding.

Section 7.07. *Conformity with the Trust Indenture Act.* Every amendment, supplemental indenture or waiver executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

ARTICLE 8

CONSOLIDATION, MERGER, SALE OR CONVEYANCE

Section 8.01. *Consolidation, Merger or Sale of Assets by the Issuer.*

(a) The Issuer shall not merge into or consolidate with any other Person or Persons (whether or not affiliated with the Issuer) or sell, convey, transfer, lease or otherwise dispose of all or substantially all of its property or assets to any other Person or Persons (whether or not affiliated with the Issuer), unless:

(i) either (a) the transaction is a merger or consolidation and the Issuer is the surviving entity; or (b) the successor Person (or the Person which acquires by sale, conveyance, transfer or lease all or substantially all of the property or assets of the Issuer) is organized under the laws of the United States, any state thereof or the District of Columbia and expressly assumes, by an indenture supplemental hereto, executed and delivered to the Trustee, in form satisfactory to the Trustee, the Issuer's obligation for the due and punctual payment of the principal of (and premium, if any, on) and interest on all the Outstanding Securities of any series and the performance and observance of every covenant of the Outstanding Securities of such series and this Indenture on the part of the Issuer to be performed or observed;

(ii) immediately after giving effect to such transaction and treating any Indebtedness which becomes an obligation of the Issuer or any Subsidiary as a result of such transaction as having been incurred by the Issuer or such Subsidiary at the time of such transaction, no Event of Default shall have occurred and be continuing; and

(iii) the Issuer has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, each stating that such consolidation, merger, conveyance, transfer or lease and, if a supplemental indenture is required in connection with such transaction, such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been complied with.

(b) The restrictions in Sections 8.01(ii) and 8.01(iii) hereof shall not be applicable to:

(i) the merger or consolidation of the Issuer with an affiliate of the Issuer if the Board of Directors determines in good faith that the purpose of such transaction is principally to change the state of incorporation of the Issuer or convert the form of organization of the Issuer to another form; or

(ii) the merger of the Issuer with or into a single direct or indirect wholly owned subsidiary of the Issuer pursuant to Section 251(g) (or any successor provision) of the General Corporation Law of the State of Delaware (or similar provision of the Issuer's state of incorporation).

Section 8.02. *Successor Substituted.* Upon any consolidation of the Issuer with, or merger of the Issuer into, any other Person or any sale, transfer or other conveyance of substantially all of the properties and assets of the Issuer in accordance with Section 8.01, but not in the case of a lease, the successor Person formed by such consolidation or into which the Issuer is merged or to which such sale, transfer or other conveyance is made shall succeed to, and be substituted for, and may exercise every right and power of, the Issuer under the Indenture with the same effect as if such successor Person had been named as the Issuer herein, and thereafter, the predecessor Person shall be released of all obligations to pay principal and interest on the Securities and all other obligations and covenants under the Indenture and the Securities. For purposes of the foregoing, if the Issuer consummates a Holding Company Reorganization, New HoldCo shall be treated as the "successor Person" and the Holding Company Reorganization shall constitute the transfer to New HoldCo of substantially all of the Issuer's assets.

ARTICLE 9

DEFESANCE AND DISCHARGE; UNCLAIMED MONEYS

Section 9.01. *Satisfaction and Discharge of Indenture.* The Issuer may terminate its obligations under the Indenture, when:

(a) either (i) all the Securities of any series issued that have been authenticated and delivered have been delivered to the Trustee for cancellation (other than any Securities of such series which shall have been destroyed, lost or stolen and which shall have been replaced or paid as provided in Section 2.09); or (ii) all the Securities of any series issued that have not been delivered to the Trustee for cancellation shall have (A) become due and payable, or (B) are by their terms to become due and payable within one year, or are to be called for redemption within one year and the Issuer shall have made irrevocable arrangements satisfactory to the Trustee for the giving of notice of redemption by such Trustee in the Issuer's name, and at the Issuer's expense and the Issuer have irrevocably deposited or caused to be deposited with the Trustee sufficient funds to pay and discharge the entire indebtedness on the applicable series of Securities not theretofore delivered to the Trustee for cancellation, for principal, premium, if any, and interest to the date of such deposit (in the case of Securities that have become due and payable) or to the applicable maturity or redemption date, as the case may be, together with irrevocable instructions from the Issuer directing the Trustee to apply such funds to the payment thereof at the applicable maturity or redemption date, as the case may be;

(b) The Issuer shall have paid or caused to be paid all other sums then due and payable under the Indenture; and

(c) The Issuer shall have delivered to the Trustee an Officer's Certificate and an Opinion of Counsel each stating that all conditions precedent under the Indenture relating to the satisfaction and discharge of the indenture have been complied with.

If the foregoing conditions are met, the Trustee, on demand of the Issuer accompanied by an Officer's Certificate and an Opinion of counsel and at the cost and expense of the Issuer, shall execute proper instruments prepared by the Issuer acknowledging such satisfaction of and discharging the Indenture with respect to such series except as to:

- (1) rights of Holders to receive payments when due of principal thereof and interest thereon, and remaining rights of the holders to receive mandatory sinking fund payments, if any;
- (2) obligations of the Issuer in respect of issuing temporary Securities, registration of Securities, substitution of mutilated, defaced, destroyed, lost or stolen Securities and the maintenance of an office or agency for payment on Securities;
- (3) rights of registration of transfer and exchange of Securities of such series, and the Issuer's right of optional redemption, if any;
- (4) the rights, powers, trusts, duties and immunities of the Trustee hereunder and the obligations of the Issuer in connection therewith;
- (5) the rights of the Holders of such series as beneficiaries hereof with respect to the property so deposited with the Trustee payable to all or any of them;
- (6) the defeasance provisions of Section 9.02; and
- (7) the rights of the Issuer to be repaid any money pursuant to Sections 9.05 and 9.06.

Section 9.02. *Legal Defeasance.* Upon the Issuer's exercise of the option applicable to this Section 9.02, the Issuer will be deemed to have paid the entire indebtedness represented by, and will be discharged from its obligations in respect of, the Securities of any series and the Indenture, other than its obligations in Article 2 and Section 3.01, Section 3.02, Section 5.07, Section 5.11, and listed in clauses (1), (2), (3), (4), (5), (6) and (7) of Section 9.01, provided the following conditions have been satisfied:

(a) The Issuer has irrevocably deposited or caused to be deposited with the Trustee as trust funds for the purpose of making the following payments, specifically pledged as security for, and dedicated solely to the benefits of the holders of the Securities of a series in cash or Governmental Obligations or a combination thereof (other than moneys repaid by the Trustee or any paying agent to the Issuer in accordance with Section 9.06) in each case sufficient without reinvestment, in the written opinion of a nationally recognized investment bank, appraisal firm, or firm of independent public accountants to pay and discharge, and which shall be applied by the Trustee to pay and discharge, all of the principal, interest and any premium at due date or maturity or if the Issuer has made irrevocable arrangements satisfactory to the Trustee for the giving of notice of redemption by the trustee in the Issuer's name and at the Issuer's expense, the redemption date;

(b) The Issuer has delivered to the Trustee an Opinion of Counsel stating that, as a result of an IRS ruling or a change in applicable federal income tax law, the holders of the Securities of that series will not recognize gain or loss for federal income tax purposes as a result of the deposit, defeasance and discharge to be effected and will be subject to the same federal income tax as would be the case if the deposit, defeasance and discharge did not occur;

(c) No default with respect to the outstanding Securities of that series has occurred and is continuing at the time of such deposit after giving effect to the deposit or, in the case of legal defeasance, no default relating to bankruptcy or insolvency has occurred and is continuing at any time on or before the date of such deposit (other than an Event of Default resulting from the borrowing of funds to be applied to such deposit and the grant of any Lien securing such borrowings);

(d) The defeasance will not cause the Trustee to have a conflicting interest within the meaning of the Trust Indenture Act, assuming all Securities of a series were in default within the meaning of such Act;

(e) The defeasance will not result in a breach or violation of, or constitute a default under the Indenture (other than an Event of Default resulting from the borrowing of funds to be applied to such deposit and the grant of any Lien securing such borrowings), or any other material agreement or instrument to which the Issuer or any of its Subsidiaries is a party or by which it or any of its Subsidiaries is bound; and

(f) The Issuer has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel, in each case stating that all conditions precedent provided for herein relating to the defeasance have been complied with.

Subject to compliance with this Article 9, the Issuer may exercise its option under this Section 9.02 notwithstanding the prior exercise of its option under Section 9.03 hereof.

Section 9.03. *Covenant Defeasance.* Upon the Issuer's exercise of the option applicable to this Section 9.03, the Issuer's obligations set forth in Section 3.04, Section 3.05 and Section 8.01 will terminate and Section 4.01(d) will no longer constitute an Event of Default, provided the following conditions have been satisfied:

(a) The Issuer has complied with clauses (a), (c), (d), (e), (f) and (g) of Section 9.02; and

(b) the Issuer has delivered to the Trustee an Opinion of Counsel to the effect that the holders of the Securities of that series will not recognize gain or loss for U.S. federal income tax purposes as a result of the deposit and covenant defeasance to be effected and will be subject to the same federal income tax as would be the case if the deposit and covenant defeasance did not occur.

Except as specifically stated above, none of the Issuer's obligations under the Indenture will be discharged.

Section 9.04. *Application by Trustee of Funds Deposited for Payment of Securities.* Subject to Section 9.06, all moneys deposited with the Trustee pursuant to Section 9.01 shall be held in trust and applied by it to the payment, either directly or through any paying agent (including the Issuer acting as its own paying agent), to the Holders of the particular Securities of such series for the payment or redemption of which such moneys or Governmental Obligations have been deposited with the Trustee, of all sums due and to become due thereon for principal and interest. Such money need not be segregated from other funds except to the extent required by law.

Section 9.05. *Repayment of Moneys Held by Paying Agent.* In connection with the satisfaction and discharge of the Indenture with respect to Securities of any series, all moneys then held by any paying agent under the provisions of the Indenture with respect to such series of Securities shall, upon demand of the Issuer, be repaid to the Issuer or paid to the Trustee and thereupon such paying agent shall be released from all further liability with respect to such moneys or Governmental Obligations.

Section 9.06. *Return of Moneys Held by Trustee and Paying Agent Unclaimed for Two Years.* Any moneys or Governmental Obligations deposited with or paid to the Trustee or any paying agent for the payment of the principal of or interest on any Security of any series and not applied but remaining unclaimed for two years after the date upon which such principal or interest shall have become due and payable, shall, upon the written request of the Issuer and unless otherwise required by mandatory provisions of applicable escheat or abandoned or unclaimed property law, be repaid to the Issuer by the Trustee for such series or such paying agent, and the Holder of the Security of such series shall, unless otherwise required by mandatory provisions of applicable escheat or abandoned or unclaimed property laws, thereafter look only to the Issuer for any payment which such Holder may be entitled to collect, and all liability of the Trustee or any paying agent with respect to such moneys shall thereupon cease.

ARTICLE 10 MISCELLANEOUS PROVISIONS

Section 10.01. *Incorporators, Stockholders, Employees, Officers and Directors of Issuer Exempt from Individual Liability.* No past, present or future director, officer, employee, incorporator, agent, stockholder or Affiliate of the Issuer or any of its Subsidiaries, as applicable, shall have any liability for any obligations of the Issuer or any of its Subsidiaries under the Securities, this Indenture or for any claim based on, in respect of, or by reason of, such obligations or their creation. Each Holder by accepting a Security waives and releases all such liabilities. The waiver and release are part of the consideration for issuance of the Securities.

Section 10.02. *Provisions of Indenture for the Sole Benefit of Parties and Holders.* Nothing in the Indenture or in the Securities, expressed or implied, shall give or be construed to give to any person, firm or corporation, other than the parties hereto and their successors and the Holders, any legal or equitable right, remedy or claim under the Indenture or under any covenant or provision herein contained, all such covenants and provisions being for the sole benefit of the parties hereto and their successors and of the Holders.

Section 10.03. *Successors and Assigns of Issuer Bound by Indenture.* All the agreements of the Issuer in the Indenture and the Securities shall bind its successors and assigns.

Section 10.04. *Notices and Demands on Issuer, Trustee and Holders.* Any notice or demand which by any provision of the Indenture is required or permitted to be given or served by the Trustee or by the Holders to or on the Issuer may be given or served by being deposited postage prepaid, first-class mail (except as otherwise specifically provided herein) addressed

(until another address of the Issuer is filed by the Issuer with the Trustee) to Roper Industries, Inc., 6901 Professional Parkway East, Suite 200, Sarasota, Florida 34240 Attention: Chief Financial Officer and a copy of such notice or demand shall be sent to the Issuer's General Counsel at the same address. Any notice, direction, request or demand by the Issuer or any Holder to or upon the Trustee shall be deemed to have been sufficiently given or made, for all purposes, if given or made at the applicable Corporate Trust Office of the Trustee.

Where the Indenture provides for notice to Holders, such notice shall be sufficiently given (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to each Holder entitled thereto, at his last address as it appears in the Register. In any case where notice to Holders is given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder shall affect the sufficiency of such notice with respect to other Holders. Where the Indenture provides for notice in any manner, such notice may be waived in writing by the person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

In case, by reason of the suspension of or irregularities in regular mail service, it shall be impracticable to mail notice to the Issuer and Holders when such notice is required to be given pursuant to any provision of the Indenture, then any manner of giving such notice as shall be satisfactory to the Trustee shall be deemed to be a sufficient giving of such notice.

Section 10.05. *Officer's Certificates and Opinions of Counsel; Statements to Be Contained Therein.* Upon any application or demand by the Issuer to the Trustee to take any action under any of the provisions of the Indenture, the Issuer shall furnish to the Trustee an Officer's Certificate stating that all conditions precedent, if any, provided for in the Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent have been complied with, except that in the case of any such application or demand as to which the furnishing of such documents is specifically required by any provision of the Indenture relating to such particular application or demand, no additional certificate or opinion need be furnished.

Each certificate or opinion provided for in the Indenture and delivered to the Trustee with respect to compliance with a condition or covenant provided for in the Indenture shall include (a) a statement that the person making such certificate or opinion has read such covenant or condition, (b) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based, (c) a statement that, in the opinion of such person, he has made such examination or investigation as is necessary to enable him to express an informed opinion as to whether or not such covenant or condition has been complied with and (d) a statement as to whether or not, in the opinion of such person, such condition or covenant has been complied with.

Any certificate, statement or opinion of an officer of the Issuer may be based, insofar as it relates to legal matters, upon a certificate or opinion of or representations by counsel, unless such officer knows that the certificate or opinion or representations with respect to the matters upon which his certificate, statement or opinion may be based as aforesaid are erroneous, or in the exercise of reasonable care should know that the same are erroneous. Any certificate, statement or opinion of counsel may be based, insofar as it relates to factual matters, information with respect to which is in the possession of the Issuer, upon the certificate, statement or opinion of or representations by an officer or officers of the Issuer, unless such counsel knows that the certificate, statement or opinion or representations with respect to the matters upon which his certificate, statement or opinion may be based as aforesaid are erroneous, or in the exercise of reasonable care should know that the same are erroneous.

Any certificate, statement or opinion of an officer of the Issuer or of counsel may be based, insofar as it relates to accounting matters, upon a certificate or opinion of or representations by an accountant or firm of accountants in the employ of the Issuer, unless such officer or counsel, as the case may be, knows that the certificate or opinion or representations with respect to the accounting matters upon which his certificate, statement or opinion may be based as aforesaid are erroneous, or in the exercise of reasonable care should know that the same are erroneous.

Any certificate or opinion of any independent firm of public accountants filed with the Trustee shall contain a statement that such firm is independent.

Section 10.06. *Payments Due on Saturdays, Sundays and Holidays.* Except as provided pursuant to Section 2.01 pursuant to a Resolution of the Board of Directors, and as set forth in an Officer's Certificate, or established in one or more indentures supplemental to the Indenture, if the date of maturity of interest on or principal of the Securities of any series or the date fixed for redemption or repayment of any such Security shall not be a Business Day, then payment of interest or principal need not be made on such date, but may be made on the next succeeding Business Day with the same force and effect as if made on the date of maturity or the date fixed for redemption, and no interest shall accrue for the period after such date.

Section 10.07. *Trust Indenture Act of 1939.* The Indenture shall incorporate and be governed by the provisions of the Trust Indenture Act that are required to be part of and to govern indentures qualified under the Trust Indenture Act.

Section 10.08. *New York Law to Govern.* The Indenture and each Security shall be governed by and construed in accordance with the laws of the State of New York.

Section 10.09. *Counterparts.* The Indenture may be executed in counterparts, each of which shall be an original, but such counterparts shall together constitute but one and the same instrument.

Section 10.10. *Effect of Headings.* The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

Section 10.11. *Separability.* In case any one or more of the provisions contained in the Indenture or in the Securities of any series shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect or impair any other provisions of the Indenture or of such Securities, but the Indenture and such Securities shall be construed as if such invalid or illegal or unenforceable provision had never been contained herein or therein.

ARTICLE 11

REDEMPTION OF SECURITIES AND SINKING FUND PROVISIONS

Section 11.01. *Applicability of Article.* The provisions of this Article shall be applicable to the Securities of any series which are redeemable before their maturity or to any sinking fund for the retirement of Securities of a series except as otherwise specified as contemplated by Section 2.03 for Securities of such series.

Section 11.02. *Notice of Redemption; Partial Redemptions.* Unless otherwise indicated for Securities of a particular series by a Resolution of the Board of Directors and set forth in an Officer's Certificate or a supplemental indenture hereto, notice of redemption to the Holders of any series to be redeemed as a whole or in part at the option of the Issuer shall be given at least 10 days and not more than 60 days prior to the date fixed for redemption to such Holders of such series at their last addresses as they shall appear upon the registry books. Any notice of redemption shall be mailed or caused to be mailed, by first class mail, or, in the case of the Depositary with respect to any Global Note, sent electronically, to each Holder whose Notes are to be redeemed at its registered address. Any notice redemption that is delivered in the manner herein provided shall be conclusively presumed to have been duly given, whether or not the Holder receives the notice. Failure to give notice, or any defect in the notice to the Holder of any Security of a series designated for redemption as a whole or in part shall not affect the validity of the proceedings for the redemption of any other Security of such series.

The notice of redemption to each such Holder shall specify the principal amount of each Security of such series held by such Holder to be redeemed, the date fixed for redemption, the redemption price, the place or places of payment, that payment will be made upon presentation and surrender of such Securities, the conditions precedent, if any, to the redemption, that such redemption is pursuant to the mandatory or optional sinking fund, or both, if such be the case, that interest accrued to the date fixed for redemption will be paid as specified in such notice and that on, after said date interest thereon or on the portions thereof to be redeemed will cease to accrue and any other information as may be required by the terms of the particular Security of such series or the Security of a series being redeemed. In case any Security of a series is to be redeemed in part only the notice of redemption shall state the portion of the principal amount thereof to be redeemed and shall state that on and after the date fixed for redemption, upon surrender of such Security, a new Security or Securities of such series in principal amount equal to the unredeemed portion thereof will be issued.

The notice of redemption of Securities of any series to be redeemed shall be prepared and given by the Issuer or, at the Issuer's request, prepared by the Issuer and given by the Trustee in the name and at the expense of the Issuer.

If less than all the Securities of any series are to be redeemed, the Trustee shall select Securities of such series to be redeemed in whole or in part in compliance with the requirements of the principal national securities exchange, if any, on which the Securities of the applicable series are listed or, if the Securities of such series are not so listed, on a *pro rata* basis, by lot or by such method as it shall deem fair and appropriate, or in the case of Global Notes, in accordance with the procedures of the Depositary. Securities may be redeemed in part in multiples equal to the minimum authorized denomination for Securities of such series or any multiple thereof. The Trustee shall promptly notify the Issuer in writing of the Securities of such series selected for redemption and, in the case of any Securities of such series selected for partial redemption, the principal amount thereof to be redeemed. For all purposes of the Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities of any series shall relate, in the case of any Security redeemed or to be redeemed only in part, to the portion of the principal amount of such Security which has been or is to be redeemed.

At least one Business Day prior to the redemption date specified in the notice of redemption given as provided in this Section, the Issuer will deposit with the Trustee or with one or more paying agents (or, if the Issuer is acting as its own paying agent, set aside, segregate and hold in trust as provided in Section 3.03) an amount of money sufficient to redeem on the redemption date all the Securities of such series so called for redemption at the appropriate redemption price, together with accrued interest to the date fixed for redemption.

Section 11.03. *Payment of Securities Called for Redemption.* If notice of redemption has been given as above provided, the Securities or portions of Securities specified in such notice shall become due and payable on the date and at the place stated in such notice at the applicable redemption price, together with interest accrued to the date fixed for redemption, and on and after said date (unless the Issuer shall default in the payment of such Securities at the redemption price, together with interest accrued to said date) interest on the Securities or portions of Securities so called for redemption shall cease to accrue and such Securities shall cease from and after the date fixed for redemption to be entitled to any benefit or security under the Indenture, and the Holders thereof shall have no right in respect of such Securities except the right to receive the redemption price thereof and unpaid interest to the date fixed for redemption. On presentation and surrender of such Securities at a place of payment specified in said notice, said Securities or the specified portions thereof shall be paid and redeemed by the Issuer at the applicable redemption price, together with interest accrued thereon to the date fixed for redemption; provided that any payment of interest becoming due on or before the date fixed for redemption shall be payable to the Holders of such Securities registered as such on the relevant record date.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal shall, until paid or duly provided for, bear interest from the date fixed for redemption at the rate of interest or Yield to Maturity (in the case of an Original Issue Discount Security) borne by the Security.

Upon presentation of any Security redeemed in part only, the Issuer shall execute and the Trustee shall authenticate and deliver to or on the order of the Holder thereof, at the expense of the Issuer, a new Security or Securities of such series, of authorized denominations, in principal amount equal to the unredeemed portion of the Security so presented.

Section 11.04. *Exclusion of Certain Securities from Eligibility for Selection for Redemption.* Securities shall be excluded from eligibility for selection for redemption if they are identified by registration and certificate number in a written statement signed by an authorized officer of the Issuer and delivered to the Trustee at least 15 days prior to the last date on which notice of redemption may be given as being owned of record and beneficially by, and not pledged or hypothecated by either (a) the Issuer or (b) an entity specifically identified in such written statement directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer.

Section 11.05. *Mandatory and Optional Sinking Funds.* The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a “**mandatory sinking fund payment**”, and any payment in excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an “**optional sinking fund payment**”. The date on which a sinking fund payment is to be made is herein referred to as the “**sinking fund payment date**”.

In lieu of making all or any part of any mandatory sinking fund payment with respect to any series of Securities in cash, the Issuer may at its option (a) deliver to the Trustee Securities of such series theretofore purchased or otherwise acquired (except upon redemption pursuant to the mandatory sinking fund) by the Issuer or receive credit for Securities of such series (not previously so credited) theretofore purchased or otherwise acquired (except as aforesaid) by the Issuer and delivered to the Trustee for cancellation pursuant to Section 2.10, (b) receive credit for optional sinking fund payments (not previously so credited) made pursuant to this Section, or (c) receive credit for Securities of such series (not previously so credited) redeemed by the Issuer through any optional redemption provision contained in the terms of such series. Securities so delivered or credited shall be received or credited by the Trustee at the sinking fund redemption price specified in such Securities.

Not less than 60 days prior to each sinking fund payment date for any series, the Issuer will deliver to the Trustee a written statement (which need not contain the statements required by Section 10.05) signed by an authorized officer of the Issuer (a) specifying the portion of the mandatory sinking fund payment to be satisfied by payment of cash and the portion to be satisfied by credit of Securities of such series, (b) stating that none of the Securities of such series has theretofore been so credited, (c) stating that no defaults in the payment of interest or Events of Default with respect to such series have occurred (which have not been waived or cured) and are continuing and (d) stating whether or not the Issuer intends to exercise its right to make an optional sinking fund payment with respect to such series and, if so, specifying the amount of such optional sinking fund payment which the Issuer intends to pay on or before the next succeeding sinking fund payment date. Any Securities of such series to be credited and required to be delivered to the Trustee in order for the Issuer to be entitled to credit therefor as aforesaid which have not theretofore been delivered to the Trustee shall be delivered for cancellation pursuant to Section 2.10 to the Trustee with such written statement (or reasonably promptly thereafter if acceptable to the Trustee). Such written statement shall be irrevocable and upon its receipt by the Trustee the Issuer shall become unconditionally obligated to make all the cash payments or payments therein referred to, if any, on or before the next succeeding sinking fund payment date. Failure of the Issuer, at least 60 days prior to such sinking fund payment date, to deliver such written statement and Securities specified in this paragraph, if any, shall not constitute a default but shall constitute, on and as of such date, the irrevocable election of the Issuer (i) that the mandatory sinking fund payment for such series due on the next succeeding sinking fund payment date shall be paid entirely in cash without the option to deliver or credit Securities of such series in respect thereof and (ii) that the Issuer will make no optional sinking fund payment with respect to such series as provided in this Section.

The Trustee shall select, in the manner provided in Section 11.02, for redemption on such sinking fund payment date a sufficient principal amount of Securities of such series to absorb said cash, as nearly as may be, and shall (if requested in writing by the Issuer) inform the Issuer of the serial numbers of the Securities of such series (or portions thereof) so selected. Securities of any series which are (a) owned by the Issuer or an entity known by the Trustee to be directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer, as shown by the Register, and not known to the Trustee to have been pledged or hypothecated by the Issuer or any such entity or (b) identified in an Officer's Certificate at least 60 days prior to the sinking fund payment date as being beneficially owned by, and not pledged or hypothecated by, the Issuer or an entity directly or indirectly controlling or controlled by or under direct or indirect common control with the Issuer shall be excluded from Securities of such series eligible for selection for redemption. The notice of redemption of the Securities of such series to be redeemed shall be prepared and given by the Issuer or, at the Issuer's request, prepared by the Issuer and given by the Trustee in the name and at the

expense of the Issuer in substantially the manner provided in Section 11.02 (and with the effect provided in Section 11.03) for the redemption of Securities of such series in part at the option of the Issuer. The amount of any sinking fund payments not so applied or allocated to the redemption of Securities of such series shall be added to the next cash sinking fund payment for such series and, together with such payment, shall be applied in accordance with the provisions of this Section. Any and all sinking fund moneys held on the stated maturity date of the Securities of any particular series (or earlier, if such maturity is accelerated), which are not held for the payment or redemption of particular Securities of such series, shall be applied, together with other moneys, if necessary, sufficient for the purpose, to the payment of the principal of, and interest on, the Securities of such series at maturity.

At least one Business Day before each sinking fund payment date, the Issuer shall pay to the Trustee in cash or shall otherwise provide for the payment of all interest accrued to the date fixed for redemption on Securities to be redeemed on the next following sinking fund payment date.

The Trustee shall not redeem or cause to be redeemed any Securities of a series with sinking fund moneys or mail any notice of redemption of Securities for such series by operation of the sinking fund during the continuance of a default in payment of interest on such Securities or of any Event of Default except that, where the mailing of notice of redemption of any Securities shall theretofore have been made, the Trustee shall redeem or cause to be redeemed such Securities, provided that it shall have received from the Issuer a sum sufficient for such redemption. Except as aforesaid, any moneys in the sinking fund for such series at the time when any such default or Event of Default shall occur, and any moneys thereafter paid into the sinking fund, shall, during the continuance of such default or Event of Default, be deemed to have been collected under Article 4 and held for the payment of all such Securities. In case such Event of Default shall have been waived as provided in Section 4.09 or the default cured on or before the 60th day preceding the sinking fund payment date in any year, such moneys shall thereafter be applied on the next succeeding sinking fund payment date in accordance with this section to the redemption of such Securities.

[Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have caused the Indenture to be duly executed as of the date set forth above.

ROPER TECHNOLOGIES, INC.

By: /s/ John K. Stipancich
Name: John K. Stipancich
Title: Vice President, General Counsel and Corporate Secretary

[Signature Page to Indenture]

WELLS FARGO BANK, NATIONAL ASSOCIATION, as
Trustee

By: /s/ Gregory S. Clarke
Name: Gregory S. Clarke
Title: Vice President

Signature page to 2018 Indenture

STATE OF GEORGIA

)

COUNTY OF FULTON

) **ss.:**

)

On this 26th day of November before me personally came John K. Stipancich to me personally known, who, being by me duly sworn, did depose and say that s/he resides at Florida that s/he is an Officer of Roper Technologies, Inc., one of the corporations described in and which executed the above instrument and that s/he signed his name thereto by like authority.

[NOTARIAL SEAL]



/s/ Blanca Najar

Notary Public

STATE OF ILLINOIS

)
) **ss.:**
)

COUNTY OF COOK

On this 20th day of November, 2018 before me personally came Gregory S. Clarke to me personally known, who, being by me duly sworn, did depose and say that s/he resides at Illinois that s/he is a Vice President of Wells Fargo Bank, National Association, one of the corporations described in and which executed the above instrument and that s/he signed his name thereto by like authority.

[NOTARIAL SEAL]



/s/ Kathleen A. White
Notary Public

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Section 3: EX-5.1 (EX-5.1)

Exhibit 5.1

November 26, 2018

Roper Technologies, Inc.
6901 Professional Parkway East, Suite 200
Sarasota, Florida 34240

Re: Registration Statement on Form S-3 Filed by Roper Technologies, Inc.

Ladies and Gentlemen:

We have acted as counsel for Roper Technologies, Inc., a Delaware corporation (the "Company"), in connection with the authorization of the possible issuance and sale from time to time, on a delayed basis, by the Company of an indeterminate amount of: (i) shares of common stock, par value \$0.01 per share, of the Company (the "Common Stock"); (ii) shares of preferred stock, par value \$0.01 per share, of the Company (the "Preferred Stock"), in one or more series, certain of which may be convertible into or exchangeable for Common Stock; (iii) debt securities of the Company (the "Debt Securities"), in one or more series, certain of which may be convertible into or exchangeable for Common Stock or other equity securities of the Company; (iv) warrants to purchase Common Stock, Preferred Stock, Debt Securities or other securities of the Company as may be designated at the time of the offering at a future date or dates; (the "Warrants"); (v) purchase contracts to purchase or sell (i) Common Stock, Preferred Stock, Debt Securities, debt or equity securities issued by third party or any combination thereof, (2) currencies or (3) commodities (the "Purchase Contracts"), in each case, as may be designated at the time of the offering at a future date or dates; and (vi) units consisting of Debt Securities, shares of Common Stock, shares of Preferred Stock, one or more Warrants or any combination thereof (the "Units"), in each case, as contemplated by the Registration Statement on Form S-3 to which this opinion has been filed as an exhibit (the "Registration Statement"). The Debt Securities, the Common Stock, the Preferred Stock, the Warrants, the Purchase Contracts and the Units are collectively referred to herein as the "Securities." The Securities may be offered and sold from time to time pursuant to Rule 415 under the Securities Act of 1933 (the "Securities Act"). The Debt Securities are to be issued under an Indenture, dated as of November 26, 2018 (as may be supplemented from time to time, the "Indenture"), between the Company and Wells Fargo Bank, National Association, as trustee (the "Trustee").

In connection with the opinions expressed herein, we have examined such documents, records and matters of law as we have deemed relevant or necessary for purposes of this opinion. Based on the foregoing, and subject to the further limitations, qualifications and assumptions set forth herein, we are of the opinion that:

1. The shares of Common Stock, upon receipt by the Company of such lawful consideration therefor having a value not less than the par value thereof as the Company's Board of Directors (or an authorized committee thereof) may determine, will be validly issued, fully paid and nonassessable.

2. The shares of Preferred Stock, upon receipt by the Company of such lawful consideration therefor having a value not less than the par value thereof as the Company's Board of Directors (or an authorized committee thereof) may determine, will be validly issued, fully paid and nonassessable.
3. The Debt Securities, when executed by the Company and authenticated by the Trustee in accordance with the Indenture, issued and sold in accordance with the Registration Statement and delivered to the purchaser or purchasers thereof against receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee thereof) may determine, will constitute valid and binding obligations of the Company.
4. The Warrants, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee thereof) may determine, will constitute valid and binding obligations of the Company.
5. The Purchase Contracts, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee thereof) may determine, will constitute valid and binding obligations of the Company.
6. The Units, upon receipt by the Company of such lawful consideration therefor as the Company's Board of Directors (or an authorized committee thereof) may determine, will constitute valid and binding obligations of the Company.

In rendering the foregoing opinions, we have assumed that: (i) the Registration Statement, and any amendments thereto, will have become effective (and will remain effective at the time of issuance of any Securities thereunder); (ii) a prospectus supplement describing each class or series of Securities offered pursuant to the Registration Statement, to the extent required by applicable law and relevant rules and regulations of the Securities and Exchange Commission (the "Commission"), will be timely filed with the Commission; (iii) the definitive terms of each class or series of Securities will have been established in accordance with the authorizing resolutions adopted by the Company's Board of Directors (or an authorized committee thereof), the Company's Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation"), and applicable law; (iv) the Company will issue and deliver the Securities in the manner contemplated by the Registration Statement and any Securities that consist of shares of capital stock will have been authorized and reserved for issuance, in each case within the limits of the then remaining authorized but unreserved and unissued amounts of such capital stock; (v) the resolutions authorizing the Company to issue, offer and sell the Securities will have been adopted by the Company's Board of Directors (or an authorized committee thereof) and will be in full force and effect at all times at which the Securities are offered or sold by the Company; (vi) all Securities will be issued in compliance with applicable federal and state securities laws; and (vii) any Warrant Agreement, Purchase Contract Agreement or Unit Agreement (each as defined below) and each Unit will be governed by and construed in accordance with the laws of the State of New York and will constitute a valid and binding obligation of each party thereto other than the Company.

With respect to any Securities consisting of Preferred Stock, we have further assumed that the Company will issue and deliver the shares of the Preferred Stock being issued and delivered after the filing with the Secretary of State of the State of Delaware of a certificate of amendment to the Certificate of Incorporation, approved by us, establishing the designations, preferences and rights of the class or series of the Preferred Stock being issued and delivered.

With respect to any Securities consisting of any series of Debt Securities, we have further assumed that: (i) the Indenture is, and any supplemental indenture will be, a valid and binding obligation of the Trustee; (ii) all terms of the Debt Securities not provided for in the Indenture will have been established in accordance with the provisions of the Indenture and reflected in appropriate documentation approved by us and, if applicable, executed and delivered by the Company and the Trustee; and (iii) the Debt Securities will be executed, authenticated, issued and delivered in accordance with the provisions of the Indenture.

With respect to any Securities consisting of Warrants, we have further assumed that: (i) the warrant agreement, approved by us, relating to the Warrants (the "Warrant Agreement") to be entered into between the Company and an entity selected by the Company to act as the warrant agent (the "Warrant Agent") will have been authorized, executed and delivered by the Company and the Warrant Agent; and (ii) the Warrants will be authorized, executed and delivered by the Company and the Warrant Agent in accordance with the provisions of the Warrant Agreement.

With respect to any Securities consisting of Purchase Contracts, we have further assumed that: (i) the purchase contract agreement, approved by us, relating to the Purchase Contracts (the "Purchase Contract Agreement") to be entered into between the Company and an entity selected by the Company to act as the purchase contract agent (the "Purchase Contract Agent") will have been authorized, executed and delivered by the Company and the Purchase Contract Agent; and (ii) the Purchase Contracts will be authorized, executed and delivered by the Company and the Purchase Contract Agent in accordance with the provisions of the Purchase Contract Agreement.

With respect to any Securities consisting of Units, we have further assumed that each component of such Units will be authorized, validly issued and fully paid (to the extent applicable) as contemplated by the Registration Statement and the applicable unit agreement (the "Unit Agreement"), if any.

The opinions expressed herein are limited by bankruptcy, insolvency, reorganization, fraudulent transfer and fraudulent conveyance, voidable preference, moratorium or other similar laws and related regulations and judicial doctrines from time to time in effect relating to or affecting creditors' rights generally and by general equitable principles and public policy considerations, whether such principles and considerations are considered in a proceeding at law or in equity.

As to facts material to the opinions and assumptions expressed herein, we have relied upon oral or written statements and representations of officers and other representatives of the

Company and others. The opinions expressed herein are limited to the laws of the State of New York and the General Corporation Law of the State of Delaware, in each case as currently in effect, and we express no opinion as to the effect of the laws of any other jurisdiction.

We hereby consent to the filing of this opinion as Exhibit 5.1 to the Registration Statement and to the reference to Jones Day under the caption "Legal Matters" in the prospectus constituting a part of such Registration Statement. In giving such consent, we do not thereby admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

/s/ Jones Day

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Section 4: EX-23.1 (EX-23.1)

Exhibit 23.1

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-3 (No. 333-208200) of Roper Technologies, Inc. of our report dated February 23, 2018 relating to the financial statements, financial statement schedule and the effectiveness of internal control over financial reporting, which appears in Roper Technologies, Inc.'s Annual Report on Form 10-K for the year ended December 31, 2017. We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ PricewaterhouseCoopers LLP
Certified Public Accountants
Tampa, Florida
November 26, 2018

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Section 5: EX-25.1 (EX-25.1)

Exhibit 25.1

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM T-1

STATEMENT OF ELIGIBILITY UNDER THE TRUST INDENTURE ACT OF 1939 OF A CORPORATION DESIGNATED TO ACT AS TRUSTEE

- CHECK IF AN APPLICATION TO DETERMINE ELIGIBILITY OF A TRUSTEE PURSUANT TO SECTION 305
(b) (2)
-

WELLS FARGO BANK, NATIONAL ASSOCIATION

(Exact name of trustee as specified in its charter)

A National Banking Association
(Jurisdiction of incorporation or
organization if not a U.S. national bank)

94-1347393
(I.R.S. Employer
Identification No.)

101 North Phillips Avenue
Sioux Falls, South Dakota
(Address of principal executive offices)

57104
(Zip code)

Wells Fargo & Company
Law Department, Trust Section
MAC N9305-175
Sixth Street and Marquette Avenue, 17th Floor
Minneapolis, Minnesota 55479
(612) 667-4608
(Name, address and telephone number of agent for service)

ROPER TECHNOLOGIES, INC.
(Exact name of obligor as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

51-0263969
(I.R.S. Employer
Identification No.)

6901 Professional Parkway East, Suite 200
Sarasota, Florida
(Address of principal executive offices)

34240
(Zip code)

Debt Securities
(Title of the indenture securities)

Item 1. General Information. Furnish the following information as to the trustee:

- (a) Name and address of each examining or supervising authority to which it is subject.

Comptroller of the Currency
Treasury Department
Washington, D.C.

Federal Deposit Insurance Corporation
Washington, D.C.

Federal Reserve Bank of San Francisco
San Francisco, California 94120

- (b) Whether it is authorized to exercise corporate trust powers.

The trustee is authorized to exercise corporate trust powers.

Item 2. Affiliations with Obligor. If the obligor is an affiliate of the trustee, describe each such affiliation.

None with respect to the trustee.

No responses are included for Items 3-14 of this Form T-1 because the obligor is not in default as provided under Item 13.

Item 15. Foreign Trustee. Not applicable.

Item 16. List of Exhibits. List below all exhibits filed as a part of this Statement of Eligibility.

- Exhibit 1. A copy of the Articles of Association of the trustee now in effect.*
- Exhibit 2. A copy of the Comptroller of the Currency Certificate of Corporate Existence for Wells Fargo Bank, National Association, dated January 14, 2015.*
- Exhibit 3. A copy of the Comptroller of the Currency Certification of Fiduciary Powers for Wells Fargo Bank, National Association, dated January 6, 2014.*
- Exhibit 4. Copy of By-laws of the trustee as now in effect.*
- Exhibit 5. Not applicable.
- Exhibit 6. The consent of the trustee required by Section 321(b) of the Act.
- Exhibit 7. A copy of the latest report of condition of the trustee published pursuant to law or the requirements of its supervising or examining authority.
- Exhibit 8. Not applicable.

Exhibit 9. Not applicable.

* Incorporated by reference to the exhibit of the same number to the trustee's Form T-1 filed as exhibit to the Filing 305B2 dated March 13, 2015 of file number 333-190926.

SIGNATURE

Pursuant to the requirements of the Trust Indenture Act of 1939, as amended, the trustee, Wells Fargo Bank, National Association, a national banking association organized and existing under the laws of the United States of America, has duly caused this statement of eligibility to be signed on its behalf by the undersigned, thereunto duly authorized, all in the City of Atlanta and State of Georgia on the 13th day of November, 2018.

WELLS FARGO BANK, NATIONAL ASSOCIATION

/s/ Stefan Victory

Stefan Victory

Vice President

EXHIBIT 6

November 13, 2018

Securities and Exchange Commission
Washington, D.C. 20549

Gentlemen:

In accordance with Section 321(b) of the Trust Indenture Act of 1939, as amended, the undersigned hereby consents that reports of examination of the undersigned made by Federal, State, Territorial, or District authorities authorized to make such examination may be furnished by such authorities to the Securities and Exchange Commission upon its request therefor.

Very truly yours,

WELLS FARGO BANK, NATIONAL ASSOCIATION

/s/ Stefan Victory

Stefan Victory

Vice President

Exhibit 7

Consolidated Report of Condition of

Wells Fargo Bank National Association
of 101 North Phillips Avenue, Sioux Falls, SD 57104
And Foreign and Domestic Subsidiaries,

at the close of business September 30, 2018, filed in accordance with 12 U.S.C. §161 for National Banks.

	Dollar Amounts In Millions
ASSETS	
Cash and balances due from depository institutions:	
Noninterest-bearing balances and currency and coin	\$ 18,138
Interest-bearing balances	140,426
Securities:	
Held-to-maturity securities	144,023
Available-for-sale securities	247,453
Equity Securities with readily determinable fair value not held for trading	98
Federal funds sold and securities purchased under agreements to resell:	
Federal funds sold in domestic offices	57
Securities purchased under agreements to resell	35,727
Loans and lease financing receivables:	
Loans and leases held for sale	9,295
Loans and leases, net of unearned income	916,163
LESS: Allowance for loan and lease losses	9,702
Loans and leases, net of unearned income and allowance	906,461
Trading Assets	47,028
Premises and fixed assets (including capitalized leases)	7,941
Other real estate owned	514
Investments in unconsolidated subsidiaries and associated companies	12,289
Direct and indirect investments in real estate ventures	215
Intangible assets	40,861
Other assets	54,602
Total assets	<u>\$ 1,665,128</u>
LIABILITIES	
Deposits:	
In domestic offices	\$ 1,261,795
Noninterest-bearing	401,773
Interest-bearing	860,022
In foreign offices, Edge and Agreement subsidiaries, and IBFs	58,900
Noninterest-bearing	840
Interest-bearing	58,060
Federal funds purchased and securities sold under agreements to repurchase:	
Federal funds purchased in domestic offices	6,061
Securities sold under agreements to repurchase	5,736

	Dollar Amounts In Millions
Trading liabilities	11,919
Other borrowed money (includes mortgage indebtedness and obligations under capitalized leases)	115,435
Subordinated notes and debentures	11,675
Other liabilities	29,417
Total liabilities	\$ 1,500,938
EQUITY CAPITAL	
Perpetual preferred stock and related surplus	0
Common stock	519
Surplus (exclude all surplus related to preferred stock)	112,567
Retained earnings	55,296
Accumulated other comprehensive income	-4,534
Other equity capital components	0
Total bank equity capital	163,848
Noncontrolling (minority) interests in consolidated subsidiaries	342
Total equity capital	164,190
Total liabilities, and equity capital	\$ 1,665,128

I, John R. Shrewsberry, Sr. EVP & CFO of the above-named bank do hereby declare that this Report of Condition has been prepared in conformance with the instructions issued by the appropriate Federal regulatory authority and is true to the best of my knowledge and belief.

John R. Shrewsberry
Sr. EVP & CFO

We, the undersigned directors, attest to the correctness of this Report of Condition and declare that it has been examined by us and to the best of our knowledge and belief has been prepared in conformance with the instructions issued by the appropriate Federal regulatory authority and is true and correct.

Directors

Enrique Hernandez, Jr
Federico F. Pena
James Quigley
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