ROYAL BANK OF CANADA Form FWP February 07, 2018

RBC Capital Markets®	Filed Pursuant to Rule 433 Registration Statement No. 333	-208507
Preliminary Terms Supplement Subject to Completion: Dated February 7, 2018 Pricing Supplement Dated February, 2018 to the Product Prospectus Supplement No. ERN-EI-1, Dated January 12, 2016, the Prospectus Supplement Dated January 8, 2016, and the Prospectus Dated January 8, 2016	Auto-Callable Barrier Notes Linked to the Lesser Performing Equity Indices, Due February 10 Royal Bank of Canada	
equity indices (each, a ' unsecured obligations of described in the docume make any payments on The Notes will be autom greater than or equal to Amounts are based on a reflect that rate of return	Reference Index" and collectivel f Royal Bank of Canada and undents described above, as supplement the Notes until the maturity date natically called at the applicable its Initial Level on any quarterly rate of return of 9.15% per annu	Notes (the "Notes") linked to the lesser performing of two y, the "Reference Indices"). The Notes offered are senior er the circumstances specified below, and will have the terms ented or modified by this terms supplement. We will not or a prior automatic call. Call Amount if the closing level of each Reference Index is Observation Date on or after August 13, 2018. The Call m, and will increase on each quarterly Observation Date to may lose all or a substantial portion of your principal
amount. Reference Indices	Initial Levels*	Barrier Levels
Dow Jones Industrial A		65.00% of its Initial Level
EURO STOXX 50 [®] Inc	lex ("SX5E")	65.00% of its Initial Level
The Notes do not guara	idex, the Initial Level will be its c ntee any return of principal at ma	closing level on the pricing date. turity. Any payments on the Notes are subject to our credit
page PS-5 of the product prospectus supplement	et prospectus supplement dated Ja	Additional Risk Factors Specific to the Notes" beginning on muary 12, 2016, "Risk Factors" beginning on page S-1 of the cted Risk Considerations" beginning on page P-7 of this terms
Insurance Corporation of	or any other Canadian or U.S. gov	nada Deposit Insurance Corporation, the U.S. Federal Deposit vernment agency or instrumentality. y state securities commission has approved or disapproved of

disapproved of the Notes or determined that this terms supplement is truthful or complete. Any representation to the contrary is a criminal offense.

Stock Exchange Issuer: Royal Bank of Canada None Listing:

Pricing Date:	February 12, 2018	Principal Amount:	\$1,000 per Note					
Issue Date:	February 15, 2018	Maturity Date:	February 16, 2023					
Valuation Date:	February 13, 2023 (which is the final Observation Date)							
Initial Level:	For each Reference Index, its closing level on the pricing date.							
Final Level:		For each Reference Index, its closing level on the Valuation Date.						
Call Feature:	on August 13, 2018 or on any Observation Date the	If the closing level of each Reference Index is greater than or equal to its Initial Level starting on August 13, 2018 or on any Observation Date thereafter, the Notes will be called and we will pay the applicable Call Amount on the corresponding Call Settlement Date.						
Observation Dates an Call Settlement Dates	Duartarly boginning on August 13 7018 as sat tort	h below.						
Payment at Maturity (if held to maturity):	If the Notes are not called on any Observation Date (including the Valuation Date), we will pay you at maturity an amount based on the Final Level of the Lesser Performing Reference Index: For each \$1,000 in principal amount, \$1,000, unless the Final Level of the Lesser Performing Reference Index is less than its Barrier Level. If the Final Level of the Lesser Performing Reference Index is less than its Barrier Level, then the investor will receive at maturity, for each \$1,000 in principal amount, a cash payment equal to: \$1,000 + (\$1,000 x Percentage Change of the Lesser Performing Reference Index) Investors could lose some or all of the value of their initial investment if there has been a decline in the level of Lesser Performing Reference Index.							
Lesser Performing	The Reference Index with the lowest Percentage Change.							
Reference Index: CUSIP:	78013XDD7							
	Р	er Note Total						

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Price to public ⁽¹⁾	100.00%	\$
Underwriting discounts and commissions ⁽¹⁾	3.00%	\$
Proceeds to Royal Bank of Canada	97.00%	\$

⁽¹⁾Certain dealers who purchase the Notes for sale to certain fee-based advisory accounts may forego some or all of their underwriting discount or selling concessions. The public offering price for investors purchasing the Notes in these accounts may be between \$970.00 and \$1,000 per \$1,000 in principal amount.

The initial estimated value of the Notes as of the date of this terms supplement is \$942.81 per \$1,000 in principal amount, which is less than the price to public. The final pricing supplement relating to the Notes will set forth our estimate of the initial value of the Notes as of the pricing date, which will not be less than \$922.81 per \$1,000 in principal amount. The actual value of the Notes at any time will reflect many factors, cannot be predicted with accuracy, and may be less than this amount. We describe our determination of the initial estimated value in more detail below.

If the Notes priced on the date of this terms supplement, RBC Capital Markets, LLC, which we refer to as RBCCM, acting as agent for Royal Bank of Canada, would receive a commission of approximately \$30.00 per \$1,000 in principal amount of the Notes and would use a portion of that commission to allow selling concessions to other dealers of up to approximately \$30.00 per \$1,000 in principal amount of the Notes. The other dealers may forgo, in their sole discretion, some or all of their selling concessions. See "Supplemental Plan of Distribution (Conflicts of Interest)" below.

RBC Capital Markets, LLC

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

SUMMARY

The information in this "Summary" section is qualified by the more detailed information set forth in this terms supplement, the product prospectus supplement, the prospectus supplement, and the prospectus.

General:	This terms supplement relates to an offering of Auto-Callable Barrier Notes (the "Notes")						
Ocheral.	linked to the lesser performing of two equity indices (the "Reference Indices").						
Issuer:	Royal Bank of Canada ("Royal Bank")						
Issue:	Senior Global Medium-Term Notes, S	eries G					
Pricing Date:	February 12, 2018						
Issue Date:	February 15, 2018						
Term:	Approximately five (5) years, if not pr	eviously called					
Denominations:	Minimum denomination of \$1,000, an	d integral multiples of \$1,000 thereafter	r.				
Designated Currency:	U.S. Dollars						
	If, starting on August 13, 2018 or any	Observation Date thereafter, the closing	g level of each				
Call Eastura	Reference Index is greater than or equ	al to its Initial Level, then the Notes wi	ll be				
Call Feature:	automatically called and the applicable	e Call Amount will be paid on the corre	sponding Call				
	Settlement Date.						
	Observation Date	Call Settlement Date	Call Amount				
	August 13, 2018	August 16, 2018	\$1,045.75				
	November 12, 2018	November 15, 2018	\$1,068.625				
	February 12, 2019	February 15, 2019	\$1,091.50				
	May 13, 2019	May 16, 2019	\$1,114.375				
	August 12, 2019	August 15, 2019	\$1,137.25				
	November 12, 2019	November 15, 2019	\$1,160.125				
	February 12, 2020	February 18, 2020	\$1,183.00				
	May 12, 2020	May 15, 2020	\$1,205.875				
Observation Dates/Call	August 12, 2020	August 17, 2020	\$1,228.75				
Settlement Dates/Call	November 12, 2020	November 17, 2020	\$1,251.625				
Amounts:	February 12, 2021	February 18, 2021	\$1,274.50				
	May 12, 2021	May 17, 2021	\$1,297.375				
	August 12, 2021	August 17, 2021	\$1,320.25				
	November 12, 2021	November 17, 2021	\$1,343.125				
	February 14, 2022	February 17, 2022	\$1,366.00				
	May 12, 2022	May 17, 2022	\$1,388.875				
	August 12, 2022	August 17, 2022	\$1,411.75				
	November 14, 2022	November 17, 2022	\$1,434.625				
	February 13, 2023 (the "Valuation	February 16, 2023 (the "Maturity	Ф1 457 EQ				
	Date")	Date")	\$1,457.50				
	The Call Amounts correspond to a return of 9.15% per annum on the Notes, if they are						
	called. Accordingly, you will not receive any return on the Notes that exceeds the applia amount set forth above, even if the level of one or both of the Reference Indices increase						
	substantially.						
Valuation Date:	February 13, 2023						
Maturity Date:	February 16, 2023						
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Initial Level:	For each Reference Index, its closing level on the pricing date.
Final Level:	For each Reference Index, its closing level on the Valuation Date.
Barrier Level:	For each Reference Index, 65.00% of its Initial Level.
	If the Notes are not called on any Observation Date (including the Valuation Date), we will
	pay you at maturity an amount based on the Final Level of the Lesser Performing Reference
not previously called and	1 Index:
held to maturity):	· If the Final Level of the Lesser Performing Reference Index is greater than or equal to its
	Barrier Level, we will pay you a cash payment equal to the principal amount.

P-2 RBC Capital Markets, LLC

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

If the Final Level of the Lesser Performing Reference Index is below its Barrier Level, you will receive at maturity, for each \$1,000 in principal amount, a cash payment equal to:
\$1,000 + (\$1,000 x Percentage Change of the Lesser Performing Reference Index)
The amount of cash that you receive will be less than your principal amount, if anything, resulting in a loss that is proportionate to the decline of the Lesser Performing Reference Index from the pricing date to the Valuation Date. Investors in the Notes could lose some or all of their investment if there has been a decline in the level of the Lesser Performing Reference Index below its Barrier Level.

Percentage	With respect to each Reference Index:
Change:	<u>Final Level – Initial Level</u>
-	Initial Level
Lesser Performing Reference Index:	The Reference Index with the lowest Percentage Change.
Market Disruption Events:	The occurrence of a market disruption event (or a non-trading day) as to either of the Reference Indices will result in the postponement of an Observation Date or the Valuation Date as to that Reference Index, as described in the product prospectus supplement, but not to any non-affected Reference Index.
Calculation Agent:	RBC Capital Markets, LLC ("RBCCM")
U.S. Tax Treatment:	By purchasing a Note, each holder agrees (in the absence of a change in law, an administrative determination or a judicial ruling to the contrary) to treat the Note as a callable pre-paid cash-settled derivative contract linked to the Reference Indices for U.S. federal income tax purposes. However, the U.S. federal income tax consequences of your investment in the Notes are uncertain and the Internal Revenue Service could assert that the Notes should be taxed in a manner that is different from that described in the preceding sentence. Please see the section below, "Supplemental Discussion of U.S. Federal Income Tax Consequences," and the discussion (including the opinion of our counsel Morrison & Foerster LLP) in the product prospectus supplement dated January 12, 2016 under "Supplemental Discussion of U.S. Federal Income Tax Consequences," which apply to the Notes.
Secondary Market:	RBCCM (or one of its affiliates), though not obligated to do so, may maintain a secondary market in the Notes after the Issue Date. The amount that you may receive upon sale of your Notes prior to maturity may be less than the principal amount.
Listing:	The Notes will not be listed on any securities exchange.
Settlement:	DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg as described under "Description of Debt Securities—Ownership and Book-Entry Issuance" in the prospectus dated January 8, 2016).
Terms	
Incorporated in the Master Note:	All of the terms appearing above the item captioned "Secondary Market" on the cover page and pages P-2 and P-3 of this terms supplement and the terms appearing under the caption "General Terms of the Notes" in the product prospectus supplement dated January 12, 2016, as modified by this terms supplement.

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

ADDITIONAL TERMS OF YOUR NOTES

You should read this terms supplement together with the prospectus dated January 8, 2016, as supplemented by the prospectus supplement dated January 8, 2016 and the product prospectus supplement dated January 12, 2016, relating to our Senior Global Medium-Term Notes, Series G, of which these Notes are a part. Capitalized terms used but not defined in this terms supplement will have the meanings given to them in the product prospectus supplement. In the event of any conflict, this terms supplement will control. The Notes vary from the terms described in the product prospectus supplement in several important ways. You should read this terms supplement carefully. This terms supplement, together with the documents listed below, contains the terms of the Notes and supersedes all prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, brochures or other educational materials of ours. You should carefully consider, among other things, the matters set forth in "Risk Factors" in the prospectus supplement dated January 8, 2016 and "Additional Risk Factors Specific to the Notes" in the product prospectus supplement dated January 12, 2016, as the Notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the Notes. You may access these documents on the Securities and Exchange Commission (the "SEC") website at www.sec.gov as follows (or if that address has changed, by reviewing our filings for the relevant date on the SEC website):

Prospectus dated January 8, 2016:

http://www.sec.gov/Archives/edgar/data/1000275/000121465916008810/j18160424b3.htm

Prospectus Supplement dated January 8, 2016:

http://www.sec.gov/Archives/edgar/data/1000275/000121465916008811/p14150424b3.htm

Product Prospectus Supplement dated January 12, 2016:

https://www.sec.gov/Archives/edgar/data/1000275/000114036116047560/form424b5.htm

Our Central Index Key, or CIK, on the SEC website is 1000275. As used in this terms supplement, "we," "us," or "our" refers to Royal Bank of Canada.

Royal Bank of Canada has filed a registration statement (including a product prospectus supplement, a prospectus supplement, and a prospectus) with the SEC for the offering to which this terms supplement relates. Before you invest, you should read those documents and the other documents relating to this offering that we have filed with the SEC for more complete information about us and this offering. You may obtain these documents without cost by visiting EDGAR on the SEC website at www.sec.gov. Alternatively, Royal Bank of Canada, any agent or any dealer participating in this offering will arrange to send you the product prospectus supplement, the prospectus supplement and the prospectus if you so request by calling toll-free at 1-877-688-2301.

P-4 RBC Capital Markets, LLC

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

HYPOTHETICAL EXAMPLES

The table set out below is included for illustration purposes only. The table illustrates payment upon an automatic call and the Payment at Maturity of the Notes for a hypothetical range of performance for the Lesser Performing Reference Index, assuming the following terms:

Hypothetical Initial Level (for each Reference Index):1,000.00*Hypothetical Barrier Level (for each Reference Index):650.00, which is 65.00% of the hypothetical Initial LevelPrincipal Amount:\$1,000 per NoteCall Amounts:As set forth on page P-2

* The hypothetical Initial Level of 1,000.00 used in the examples below has been chosen for illustrative purposes only and does not represent the actual Initial Level of any Reference Index. The actual Initial Levels for each Reference Index are set forth on the cover page of this terms supplement. We make no representation or warranty as to which of the Reference Indices will be the Lesser Performing Reference Index. It is possible that the Final Level of each Reference Index will be less than its Initial Level.

Notes Are Not Called on Any

Summary of the Hypothetical Examples

	Notes Are Called on an Observation Date					Observation Date				
	Example 1		Example 2		Example 3		Example 4		Example 5	
	INDU	SX5E	INDU	SX5E	INDU	SX5E	INDU	SX5E	INDU	SX5E
Initial Level	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
Closing Level on the First Observation Date		1,250.00	1,100.00	950.00	900.00	1,050.00	880.00	805.00	980.00	805.00
Closing Level on the Second Observation Date		N/A	1,020.00	1,025.00	850.00	1,200.00	780.00	900.00	780.00	1,100.00
Closing Levels on the Third through 18 th Observation Dates	N/A	N/A	N/A	N/A	Various, below Initial Levels	Various, below Initial Levels	Various, below Initial Levels	Various, below Initial Levels	Various, below Initial Levels	Various, below Initial Levels
Closing Level on the Final Observation Date	N/A	N/A	N/A	N/A	1,035.00	1,500.00	850.00	1,200.00	600.00	1,120.00
Percentage Change of the	N/A	N/A	N/A	N/A	N/A	N/A	-15.00%	20.00%	-40.00%	12.00%

Reference Indices						
Percentage Change of the Lesser Performing Reference Index	N/A	N/A	N/A	-15.00%	-40.00%	
Call Amount	\$1,045.75	\$1,068.625	\$1,457.50 (paid on the maturity date)	N/A	N/A	N/A
Payment at Maturity (if not previously called)	N/A	N/A	N/A	\$1,000	\$600	
P-5 RBC Capital Markets, LLC						

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

Hypothetical Examples of Amounts Payable Upon an Automatic Call

The following hypothetical examples illustrate payments of the Call Amounts set forth in the table on page P-2. Example 1: The level of the Lesser Performing Reference Index increases by 25% from the Initial Level of 1,000.00 to a closing level of 1,250.00 on the first Observation Date. Because the closing level of the Lesser Performing Reference Index on the first Observation Date is greater than its Initial Level of 1,000.00, the investor receives on the applicable Call Settlement Date a cash payment of \$1,045.75, representing the corresponding Call Amount. After the Notes are called, they will no longer remain outstanding and there will be no further payments on the Notes. Example 2: The level of the Lesser Performing Reference Index decreases by 10% from the Initial Level of 1,000.00 to its closing level on the first Observation Date of 900 but the level of the Lesser Performing Reference Index increases by 10% from the Initial Level of 1,000.00 to a closing level of 1,100.00 on the second Observation Date. Because the Notes are not called on the first Observation Date and the closing level of the Lesser Performing Reference Index on the second Observation Date is greater than its Initial Level of 1,000.00, the investor receives on the applicable Call Settlement Date a cash payment of \$1,068.625, representing the corresponding Call Amount. After the Notes are called, they will no longer remain outstanding and there will be no further payments on the Notes. Example 3: The Notes are not called on any of the Observation Dates and the Final Level of the Lesser Performing Reference Index is 1,200.00 on the Valuation Date, which is greater than its Initial Level of 1,000.00. Because the Notes are not called on any of the Observation Dates and the closing level of the Lesser Performing Reference Index on the Valuation Date is greater than its Initial Level of 1,000.00, the investor receives on the Maturity Date a cash payment of \$1,457.50, representing the corresponding Call Amount.

Hypothetical Examples of Amounts Payable at Maturity

The following hypothetical examples illustrate how the payments at maturity set forth in the table above are calculated, assuming the Notes have not been called.

Example 1: The level of the Lesser Performing Reference Index decreases by 15% from the Initial Level of 1,000.00 to its Final Level of 850.00. The Notes are not called on any Observation Date because the closing level of at least one Reference Index is below its Initial Level on each Observation Date (including the Valuation Date). Because the Final Level of the Lesser Performing Reference Index is less than its Initial Level of 1,000 but greater than its Barrier Level of 650.00, the investor receives at maturity, a cash payment of \$1,000 per Note, despite the 15% decline in the level of the Lesser Performing Reference Index.

Example 2: The level of the Lesser Performing Reference Index is 600.00 on the Valuation Date, which is less than its Barrier Level of 650.00. The Notes are not called on any Observation Date because the closing level of at least one Reference Index is below its Initial Level on each Observation Date (including the Valuation Date). Because the Final Level of the Lesser Performing Reference Index is less than its Barrier Level of 650.00, we will pay only \$600.00 for each \$1,000 in the principal amount of the Notes, calculated as follows:

Principal Amount + (Principal Amount x Reference Index Return of the Lesser Performing Reference Index) = \$1,000 + (\$1,000 x -40.00%) = \$1,000 - \$400.00 = \$600.00 * * *

The payments at maturity shown above are entirely hypothetical; they are based on levels of the Reference Indices that may not be achieved and on assumptions that may prove to be erroneous. The actual market value of your Notes on the Maturity Date or at any other time, including any time you may wish to sell your Notes, may bear little relation to the hypothetical payments at maturity shown above, and those amounts should not be viewed as an indication of the financial return on an investment in the Notes or on an investment in the securities included in any Reference Index.

P-6 RBC Capital Markets, LLC

Auto-Callable Barrier Notes Linked to the Lesser Performing of Two Equity Indices, Due February 16, 2023 Royal Bank of Canada

SELECTED RISK CONSIDERATIONS

An investment in the Notes involves significant risks. Investing in the Notes is not equivalent to investing directly in the Reference Indices. These risks are explained in more detail in the section "Additional Risk Factors Specific to the Notes" in the product prospectus supplement. In addition to the risks described in the prospectus supplement and the product prospectus supplement, you should consider the following:

Principal at Risk — Investors in the Notes could lose all or a substantial portion of their principal amount if there is a decline in the level of the Lesser Performing Reference Index between the pricing date and the Valuation Date. If the Notes are not automatically called and the Final Level of the Lesser Performing Reference Index on the Valuation Date is less than its Barrier Level, the amount of cash that you receive at maturity will represent a loss of your principal that is proportionate to the decline in the closing level of the Lesser Performing Reference Index from the pricing date to the Valuation Date.

The Notes Are Subject to an Automatic Call — If, starting on August 13, 2018 and on any Observation Date thereafter, the closing level of each Reference Index is greater than or equal to its Initial Level, then the Notes will be automatically called. If the Notes are automatically called, then, on the applicable Call Settlement Date, for each \$1,000 in principal amount, you will receive the applicable Call Amount on the corresponding Call Settlement Date. You will not receive any payments after the Call Settlement Date and you will not receive any return on the Notes that exceeds the applicable Call Amount provided on page P-2, even if the level of one or both of the Reference Indices increases substantially. You may be unable to reinvest your proceeds from the automatic call in an investment with a return that is as high as the return on the Notes.

The Notes Do Not Pay Interest and Your Return May Be Lower than the Return on a Conventional Debt Security of Comparable Maturity – There will be no periodic interest payments on the Notes as there would be on a conventional fixed-rate or floating-rate debt security having the same maturity. The return that you will receive on the Notes, which could be negative, may be less than the return you could earn on other investments. Your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of Royal Bank. The Notes Are Linked to the Lesser Performing Reference Index, Even if the Other Reference Index Performs Better — If either of the Reference Indices has a Final Level that is less than its Initial Level or its Barrier Level, your return will be linked to the lesser performing of the two Reference Indices. Even if the Final Level of the other Reference Index has increased compared to its Initial Level, or has experienced a decrease that is less than that of the Lesser Performing Reference Index, your return will only be determined by reference to the performance of the Lesser Performing Reference Index, regardless of the performance of the other Reference Index.

Your Payment on the Notes Will Be Determined by Reference to Each Reference Index Individually, Not to a Basket, and the Payment at Maturity Will Be Based on the Performance of the Lesser Performing Reference Index — The Payment at Maturity will be determined only by reference to the performance of the Lesser Performing Reference Index, regardless of the performance of the other Reference Index. The Notes are not linked to a weighted basket, in which the risk may be mitigated and diversified among each of the basket components. For example, in the case of notes linked to a weighted basket, the return would depend on the weighted aggregate performance of the basket components reflected as the basket return. As a result, the depreciation of one basket component could be mitigated by the appreciation of the other basket component, as scaled by the weighting of that basket component. However, in the case of the Notes, the individual performance of each of the Reference Indices would not be combined, and the depreciation of one Reference Index would not be mitigated by any appreciation of the other Reference Index. Instead, your return will depend solely on the Final Level of the Lesser Performing Reference Index.

•Payments on the Notes Are Subject to Our Credit Risk, and Changes in Our Credit Ratings Are Expected to Affect the Market Value of the Notes — The Notes are Royal Bank's senior unsecured debt securities. As a result, your receipt

of any Call Amounts, if payable, and the amount due on the maturity date is dependent upon Royal Bank's ability to repay its obligations on the applicable payment date. This will be the case even if the levels of the Reference Indices increase after the pricing date. No assurance can be given as to what our financial condition will be at any time during the term of the Notes.

There May Not Be an Active Trading Market for the Notes-Sales in the Secondary Market May Result in Significant Losses — There may be little or no secondary market for the Notes. The Notes will not be listed on any securities •exchange. RBCCM and other affiliates of Royal Bank may make a market for the Notes; however, they are not required to do so. RBCCM or any other affiliate of Royal Bank may stop any market-making activities at any time. Even