

**PROHIBITION OF SALES TO EEA RETAIL INVESTORS** – The Notes are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the European Economic Area (“**EEA**”). For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU (as amended, “**MiFID II**”); or (ii) a customer within the meaning of Directive (EU) 2016/97, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (iii) not a qualified investor as defined in Regulation (EU) 2017/1129. Consequently, no key information document required by Regulation (EU) No 1286/2014 (as amended, the “**PRiIPs Regulation**”) for offering or selling the Notes or otherwise making them available to retail investors in the EEA has been prepared and therefore offering or selling the Notes or otherwise making them available to any retail investor in the EEA may be unlawful under the PRiIPs Regulation.

**PROHIBITION OF SALES TO UK RETAIL INVESTORS** – The Notes are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the United Kingdom (“**UK**”). For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client, as defined in point (8) of Article 2 of Regulation (EU) No 2017/565 as it forms part of domestic law by virtue of the EUWA; (ii) a customer within the meaning of the provisions of the FSMA and any rules or regulations made under the FSMA to implement Directive (EU) 2016/97, where that customer would not qualify as a professional client, as defined in point (8) of Article 2(1) of Regulation (EU) No 600/2014 as it forms part of domestic law by virtue of the EUWA; or (iii) not a qualified investor as defined in Article 2 of the UK Prospectus Regulation. Consequently no key information document required by Regulation (EU) No 1286/2014 as it forms part of domestic law by virtue of the EUWA (the “**UK PRiIPs Regulation**”) for offering or selling the Notes or otherwise making them available to retail investors in the UK has been prepared and therefore offering or selling the Notes or otherwise making them available to any retail investor in the UK may be unlawful under the UK PRiIPs Regulation.

**THE NOTES ARE SUBJECT TO CONVERSION IN WHOLE OR IN PART – BY MEANS OF A TRANSACTION OR SERIES OF TRANSACTIONS AND IN ONE OR MORE STEPS – INTO COMMON SHARES OF ROYAL BANK OF CANADA OR ANY OF ITS AFFILIATES UNDER SUBSECTION 39.2(2.3) OF THE CANADA DEPOSIT INSURANCE CORPORATION ACT (CANADA) (“CDIC ACT”) AND TO VARIATION OR EXTINGUISHMENT IN CONSEQUENCE AND SUBJECT TO THE APPLICATION OF THE LAWS OF THE PROVINCE OF ONTARIO AND THE FEDERAL LAWS OF CANADA APPLICABLE THEREIN IN RESPECT OF THE OPERATION OF THE CDIC ACT WITH RESPECT TO THE NOTES.**

Pricing Supplement dated 19 January 2023



**ROYAL BANK OF CANADA**  
*(a Canadian chartered bank)*

Legal entity identifier (LEI): ES7IP3U3RHIGC71XBU11

Issue of EUR 1,000,000 Callable Floating Rate Notes due July 2026  
under the Programme for the Issuance of Securities

## PART A – CONTRACTUAL TERMS

Any person making or intending to make an offer of the Notes may only do so in circumstances in which no obligation arises for the Issuer or any Dealer to publish a prospectus pursuant to either of Article 3 of the Prospectus Regulation or section 85 of the FSMA or to supplement a prospectus pursuant to either of Article 23 of the Prospectus Regulation or Article 23 of the UK Prospectus Regulation, in each case, in relation to such offer.

This document constitutes the Pricing Supplement for the Notes described herein. This document must be read in conjunction with the Structured Securities Base Prospectus dated July 29, 2022 as supplemented by the supplements dated August 31, 2022, December 06, 2022, and December 20, 2022 (the “**Base Prospectus**”). Full information on the Issuer and the offer of the Notes is only available on the basis of the combination of this Pricing Supplement and the Base Prospectus. Copies of the Base Prospectus may be obtained from the offices of the Issuer, Royal Bank Plaza, 200 Bay Street, 8th Floor, South Tower, Toronto, Ontario, Canada and the offices of the Issuing and Paying Agent, 160 Queen Victoria Street, London EC4V 4LA, England and in electronic form on the Luxembourg Stock Exchange's website ([www.bourse.lu](http://www.bourse.lu)).

For the purposes hereof:

“**UK Prospectus Regulation**” means Regulation (EU) 2017/1129 as it forms part of domestic law by virtue of the EUWA;

“**EUWA**” means the European Union (Withdrawal) Act 2018; and

“**FSMA**” means the Financial Services and Markets Act 2000.

By investing in the Notes, each investor represents that:

(a) **Non-Reliance.** It is acting for its own account, and it has made its own independent decisions to invest in the Notes and as to whether the investment in the Notes is appropriate or proper for it based upon its own judgement and upon advice from such advisers as it has deemed necessary. It is not relying on any communication (written or oral) of the Issuer or any Dealer as investment advice or as a recommendation to invest in the Notes, it being understood that information and explanations related to the terms and conditions of the Notes shall not be considered to be investment advice or a recommendation to invest in the Notes. No communication (written or oral) received from the Issuer or any Dealer shall be deemed to be an assurance or guarantee as to the expected results of the investment in the Notes.

(b) **Assessment and Understanding.** It is capable of assessing the merits of and understanding (on its own behalf or through independent professional advice), and understands and accepts the terms and conditions and the risks of the investment in the Notes. It is also capable of assuming, and assumes, the risks of the investment in the Notes.

(c) **Status of Parties.** Neither the Issuer nor any Dealer is acting as fiduciary for or adviser to it in respect of the investment in the Notes.

1. Issuer: Royal Bank of Canada  
Branch of Account / Branch: Toronto Branch
2. (i) Series Number:  
(ii) Tranche Number: 1
3. Specified Currency or Currencies: EUR  
(Condition 1.12)
4. Aggregate Principal Amount: EUR 1,000,000  
(i) Series: EUR 1,000,000  
(ii) Tranche: EUR 1,000,000
5. Issue Price: 100.00% of the Aggregate Principal Amount
6. (a) Specified Denominations: EUR 1,000  
(b) Calculation Amount: EUR 1,000  
(c) Minimum Trading Size: EUR 1,000
7. (i) Issue Date: 19 January 2023  
(ii) Interest Commencement Date Issue Date  
(iii) Trade Date: 12 January 2023
8. Maturity Date: 19 July 2026, subject to the details specified below under item 21
9. Interest Basis: EURIBOR Floating Rate (further details specified below under item 17)
10. (a) Redemption Basis: Redemption at par  
(b) Protection Amount: Not Applicable
11. Change of Interest or Redemption/Payment Basis: Not Applicable
12. Put Option/ Call Option/ Trigger Early Redemption: Call Option  
(further particulars specified below)
13. Date Board approval for issuance of Notes obtained: Not Applicable
14. Bail-inable Securities: Yes
15. Method of distribution: Non-syndicated

## PROVISIONS RELATING TO INTEREST (IF ANY) PAYABLE

16.	<b>Fixed Rate Note Provisions</b> (Condition 4.02/4.02a)	Not Applicable
17.	<b>Floating Rate Note Provisions</b> (Condition 4.03)	Applicable
(i)	Specified Period(s):	Not Applicable
(ii)	Specified Interest Payment Dates:	The 19 <sup>th</sup> of each January, April, July and October, commencing 19 April 2023 with a final payment on the Maturity Date, adjusted for payment purposes only in accordance with the Business Day Convention set out in (iv) below, subject to the exercise of the Call Option as set out below
(iii)	First Interest Payment Date:	19 April 2023
(iv)	Business Day Convention:	Following Business Day Convention
(v)	Business Centre(s):	TARGET and London
(vi)	Manner in which the Rate(s) of Interest is/are to be determined:	From (and including) the Issue Date to (but excluding) the Maturity Date interest shall be payable quarterly in arrear and accrue at a per annum rate determined according to the following formula:  Min [ Max [ Reference Rate, Minimum Rate of Interest ] , Maximum Rate of Interest ]
(vii)	Screen Rate Determination:	Applicable
–	Reference Rate:	EURIBOR
–	Term Rate:	Applicable
–	Overnight Rate:	Not Applicable
–	Relevant Swap Rate:	Not Applicable
–	Calculation Method:	Not Applicable
–	Observation Method:	Not Applicable
–	Interest Determination Dates(s):	With respect to the first Interest Payment Date, 2 TARGET Business Days prior to the Interest Commencement Date. With respect to each subsequent Interest Payment Date, 2 TARGET Business Days prior to the previous Interest Payment Date.
–	Rate Determination Date:	Not Applicable
–	Relevant Screen Page:	EURIBOR01

–	Designated Maturity:	3 Months
–	Relevant Time:	Such time as the Rate of Interest is to be determined
–	Reference Banks:	Not Applicable
–	Swap Rate Frequency:	Not Applicable
–	Swap Rate Time:	Not Applicable
–	Swap Rate Currency:	Not Applicable
–	Compounded:	Not Applicable
–	Underlying RFR Rate:	Not Applicable
–	Administrator:	Not Applicable
–	Relevant Financial Centre:	TARGET
–	Observation Look-Back Period:	Not Applicable
(viii)	ISDA Rate Determination:	Not Applicable
(ix)	Linear Interpolation:	Not Applicable
(x)	Margin(s):	Not Applicable
(xi)	Minimum Rate of Interest: (Condition 4.04)	3.20%
(xii)	Maximum Rate of Interest: (Condition 4.04)	3.40%
(xiii)	Day Count Fraction:	30/360 (Unadjusted)
(xiv)	Default Rate:	As set out in Condition 4.06
(xv)	Fall back provisions, rounding provisions, denominator and any other terms relating to the method of calculating interest on Floating Rate Notes, if different from those set out in the Conditions:	As set out in Condition 4.03
18.	<b>Zero Coupon Note Provisions</b>	Not Applicable
19.	<b>Reference Item Linked Interest Notes</b>	Not Applicable

20. **Dual Currency Note Provisions** Not Applicable

**PROVISIONS RELATING TO REDEMPTION**

21.	<b>Call Option</b> (Condition 5.03)	Applicable
(i)	Optional Redemption Date(s):	The 19 January 2026 subject to adjustment in accordance with the Following Business Day Convention
(ii)	Optional Redemption Amount(s) of each Note:	EUR 1,000 per Calculation Amount
(iii)	Redeemable in part:	Not Applicable
(iv)	Notice period	Minimum period: 10 (Ten) TARGET and London Business Days  Maximum period: Not Applicable
22.	<b>Put Option</b> (Condition 5.06)	Not Applicable
23.	<b>Notice periods for Early Redemption for Taxation Reasons:</b>	
(i)	Minimum period:	15 days
(ii)	Maximum period:	30 days
24.	<b>TLAC Disqualification Event:</b>	Not Applicable
25.	<b>Notice periods for Redemption for Illegality:</b>	
(i)	Minimum period:	15 days
(ii)	Maximum period:	30 days
26.	<b>Trigger Early Redemption</b> (Condition 5.09)	Not Applicable
27.	<b>Final Redemption Amount of each Note</b>	100.00% per Calculation Amount
28.	<b>Early Redemption Amount</b>	
(i)	Early Redemption Amount(s) payable on redemption for taxation reasons, a TLAC Disqualification Event, illegality or on event of default or other early	As per Condition 5.10

redemption and/or the method of calculating the same (including, in the case of Index Linked Notes, following an Index Adjustment Event in accordance with Condition 7, or in the case of Equity Linked Notes, following a Potential Adjustment Event and/or De-listing and/or Merger Event and/or Nationalisation and/or Insolvency and/or Tender Offer in accordance with Condition 8, or in the case of Equity Linked Notes, Index Linked Notes or Fund Linked Notes (involving ETFs), following an Additional Disruption Event (if applicable), or in the case of Fund Linked Notes, following a Fund Event or De-listing, Material Underlying Event, Merger Event, Nationalisation or Tender Offer in accordance with Conditions 11 and 12) (if required):

- |      |   |   |
|------|---|---|
| (ii) | Early Redemption Amount includes amount in respect of accrued interest: | Yes: no additional amount in respect of accrued interest to be paid |
|------|---|---|

**PROVISIONS RELATING TO REFERENCE ITEM LINKED NOTES**

**29. Settlement Method**

Whether redemption of the Notes will be by (a) Cash Settlement or (b) Physical Delivery or (c) Cash Settlement and/or Physical Delivery and whether option to vary settlement:	Cash Settlement
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<b>30. Final Redemption Amount for Reference Item Linked Notes</b>	Not Applicable
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<b>31. Multi-Reference Item Linked Notes</b>	Not Applicable
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32.	<b>Currency Linked Note Provisions</b>	Not Applicable
33.	<b>Commodity Linked Note Provisions</b>	Not Applicable
34.	<b>Index Linked Note Provisions (Equity Indices only)</b>	Not Applicable
35.	<b>Equity Linked Note Provisions</b>	Not Applicable
36.	<b>Fund Linked Note Provisions</b>	Not Applicable
37.	<b>Credit Linked Note Provisions</b>	Not Applicable
38.	<b>Dual Currency Note Provisions</b>	Not Applicable
39.	<b>Preference Share Linked Notes</b>	Not Applicable
40.	<b>Bond Linked Redemption Note Provisions</b>	Not Applicable
41.	<b>Actively Managed Basket Linked Note Provisions</b>	Not Applicable
42.	<b>Physical Delivery</b>	Not Applicable

**GENERAL PROVISIONS APPLICABLE TO THE NOTES**

43.	(i) New Global Note:	No
	(ii) Form of Notes:	Registered Notes
44.	Financial Centre(s) or other special provisions relating to payment dates:	TARGET and London
45.	Relevant Renminbi Settlement Centre:	Not Applicable
46.	Talons for future Coupons to be attached to Definitive Notes (and dates on which such Talons mature): (Condition 1.06)	No




47.	Details relating to Partly Paid Notes: amount of each payment comprising the Issue Price and date on which each payment is to be made and consequences (if any) of failure to pay, including any right of the Issuer to forfeit the Notes and interest due on late payment:	Not Applicable
48.	Details relating to Instalment Notes: amount of each instalment (“ <b>Instalment Amounts</b> ”), date on which each payment is to be made (“ <b>Instalment Dates</b> ”):	Not Applicable
49.	Redenomination provisions:	Not Applicable
50.	Consolidation provisions:	Not Applicable
51.	Name and address of Calculation Agent:	Royal Bank of Canada, London Branch 100 Bishopsgate London EC2N 4AA
52.	Issuer access to the register of creditors ( <i>Sw. skuldboken</i> ) in respect of Swedish Notes:	Not Applicable
53.	Other terms or special conditions:	Not Applicable
54.	Exchange Date:	Not Applicable
55.	The Aggregate Principal Amount of the Notes issued has been translated into U.S. dollars at the rate of U.S.\$1.00 = [●], producing a sum of:	Not Applicable
56.	Governing law of Notes (if other than the laws of the Province of Ontario and the federal laws of Canada applicable therein) and jurisdiction:	Not Applicable
57.	Alternative Currency Payment:	Not Applicable
58.	<i>Masse</i> :	Not Applicable

**RESPONSIBILITY**

The Issuer accepts responsibility for the information contained in this Pricing Supplement.

Signed on behalf of the Issuer:

  
By: .....  
Duly authorised

  
By: .....  
Duly authorised

## PART B – OTHER INFORMATION

### 1. LISTING AND ADMISSION TO TRADING

Listing/Admission to trading: Not Applicable

### 2. RATINGS

Ratings: Not Applicable

### 3. INTERESTS OF NATURAL AND LEGAL PERSONS INVOLVED IN THE ISSUE

Save for any fees payable to the Managers and as discussed in “Subscription and Sale”, so far as the Issuer is aware, no person involved in the issue of the Notes has an interest material to the issue.

### 4. OPERATIONAL INFORMATION

- (i) ISIN: XS2570634456
- (ii) Common Code: 257063445
- (iii) CFI: See the website of the Association of National Numbering Agencies (ANNA) or alternatively sourced from the responsible National Numbering Agency that assigned the ISIN
- (iv) FISN: See the website of the Association of National Numbering Agencies (ANNA) or alternatively sourced from the responsible National Numbering Agency that assigned the ISIN
- (v) Other Identification Number: Not Applicable
- (vi) Any clearing system(s) other than Euroclear and Clearstream, Luxembourg, their addresses and the relevant identification number(s): Not Applicable
- (vii) Delivery: Delivery against payment
- (viii) Name(s) and address(es) of Initial Paying Agents, French Paying Agent, Registrar and Transfer Agents: Issuing and Paying Agent:  
The Bank of New York Mellon, London Branch  
160 Queen Victoria Street  
London  
EC4V 4LA  
England

Registrar:

The Bank of New York Mellon SA/NV, Luxembourg  
Branch

Vertigo Building – Polaris

2 – 4 rue Eugène Ruppert

L–2453 Luxembourg

(ix) Names and addresses of  
additional Paying Agent(s),  
[Registrar and Transfer Agents]  
(if any):

Not Applicable

(x) Intended to be held in a manner  
which would allow Eurosystem  
eligibility:

No

Whilst the designation is specified as “no” at the date of this Pricing Supplement, should the Eurosystem eligibility criteria be amended in the future such that the Notes are capable of meeting them the Notes may then be deposited with one of the ICSDs as common safe-keeper. Note that this does not necessarily mean that the Notes will then be recognised as eligible collateral for Eurosystem monetary policy and intra day credit operations by the Eurosystem at any time during their life. Such recognition will depend upon the ECB being satisfied that Eurosystem eligibility criteria have been met.

## 5. DISTRIBUTION

(i) Method of distribution:

Non-syndicated

(ii) If syndicated, names of  
Managers:

Not Applicable

(iii) Stabilisation Manager(s) (if  
any):

Not Applicable

(iv) If non-syndicated, name of  
Dealer:

RBC Europe Limited

100 Bishopsgate

London, EC2N 4AA

(v) U.S. Selling Restrictions:

Super Reg S; TEFRA rules not applicable

(vi) Canadian Sales:

Canadian Sales Not Permitted

(vii) Additional selling restrictions:

Not Applicable

(viii) Prohibition of Sales to EEA

Applicable

Retail Investors:

(ix) Prohibition of Sales to UK Retail Investors: Applicable

(x) Prohibition of Offer to Private Clients in Switzerland: Applicable

**6. HIRE ACT WITHHOLDING**

The Notes are not Specified Securities for purposes of Section 871(m) of the U.S. Internal Revenue Code of 1986.