

# UBS AG \$4,593,000 Trigger Callable Contingent Yield Notes

## Linked to the common stock of U.S. Bancorp due August 13, 2026

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### (I) Introduction

This report aims to value the UBS AG Trigger Callable Contingent Yield Notes, which are linked to the common stock of U.S. Bancorp due on August 13, 2026. According to our valuation methods, we estimate the value of the note to be \$X.

#### 1) Below are the Key Dates of the Note:

Key Dates	
Trade Date ( $T_0$ )	August 8, 2024
Settlement Date ( $T_1$ )	August 13, 2024
Observation Dates	Quarterly (first available after 6 months)
Final Valuation Date ( $T_2$ )	August 10, 2026
Maturity Date ( $T_3$ )	August 13, 2026

#### 2) Below are the Note Offering:

Underlying Asset Details							
Underlying Asset	Bloomberg Ticker	Contingent Coupon Rate	Initial Level	Coupon Barrier	Downside Threshold	Share Delivery Amount	CUSIP / ISIN
Common stock of U.S. Bancorp	USB	10.25% per annum	\$41.76	\$25.06, which is 60.00% of the initial level	\$25.06, which is 60.00% of the initial level	23.9464 shares per Note	90307DZW5 / US90307DZW54

#### 3) Below are the Observation Dates and Coupon Payment Dates:

Observation Dates and Coupon Dates	
Observation Dates	Coupon Dates
November 8, 2024	November 13, 2024
February 10, 2025	February 13, 2025
May 8, 2025	May 13, 2025
August 8, 2025	August 13, 2025
November 10, 2025	November 13, 2025
February 9, 2026	February 12, 2026
May 8, 2026	May 13, 2026
Final Valuation Date	Maturity Date

#### **4) Some important characteristics of the note are:**

1. The note has just one underlying asset i.e. the common stock of U.S. Bancorp (USB).
2. On any observation date (beginning after 6 months) other than the final valuation date, UBS may elect to call the Notes and will pay a cash payment per Note equal to the principal amount plus any contingent coupon otherwise due on the call settlement date, and no further payments or deliveries will be made on the Notes
3. A contingent coupon is payable on a coupon payment date if the closing level of the underlying asset is equal to or greater than the coupon barrier(60% of initial level) on the applicable observation date (including the final valuation date) and no contingent coupon will be paid if the closing level of the underlying asset is less than the coupon barrier(60% of initial level) on the applicable observation date.
4. Contingent Repayment of Principal Amount at Maturity with Potential for Full Downside Market Exposure:
  - (a) UBS will pay a cash payment equal to Principal Amount of(\$1,000) if UBS does not elect to call the Notes and the final level is equal to or greater than the downside threshold (60% of initial level).
  - (b) UBS will deliver a number of shares of the underlying asset (with cash paid in lieu of any fractional share), equal to Share Delivery Amount\*

*\*Note: Share Delivery Amount (per Note)*

*A number of shares of the underlying asset equal to the quotient of (i) the principal amount divided by (ii) the initial level, rounded to the nearest ten thousandth of one share, as specified on the cover hereof. Any fractional share included in the share delivery amount will be paid in cash at an amount equal to the product of the fractional share and the final level. For the avoidance of doubt, if the share delivery amount is less than 1.0000, at maturity you will receive an amount in cash per Note, if anything, equal to the product of the share delivery amount and the final level.*

## **(II) Approach**

The value of the note in our model has been determined using a -----step binomial model. Since we are aware of the valuation errors that can occur in a binomial model, we have taken the following actions:

1. Employed a binomial tree with ----- steps, which is sufficiently large to reduce the error.
2. Determined the note's value using the Cox, Ross, & Rubinstein (CRR) technique. This method allows us to include intricate note properties with flexibility. Additional models will be covered in the report's following sections.

We are aware that even with these precautions, non-linearity errors will exist in the value, mostly because of payments associated with discrete time intervals (the note's autocallable and contingent coupon feature). To ensure that our values are comparable to those provided by other, occasionally more complex models of the binomial method of option valuation, we shall discuss the values obtained from other models.

To ensure the accuracy of our numbers, we have taken data from Bloomberg, a trustworthy source, for the dynamic components of our model. We took the OIS rate (instead of the risk-free rate), dividend yields, and implied volatilities from Bloomberg. The date ranges and moneyness are shown in the screenshots below for your understanding.