# HKEX RMB CURRENCY INDICES (RXY) 香港交易所 WEEKLY REPORT

25 July 2016

#### **HIGHLIGHTS**

- TR/HKEX RXY Global CNH index moved to 96.07 with a 0.91 per cent increase while the People's Bank of China (PBOC) USD/CNY Fixing moved to 6.6669 with a 0.20 per cent decrease during the last week.
- The largest contributor to the performance of the TR/HKEX RXY Global CNH Index was the EUR, which depreciated 0.97 per cent against USD during the same period of time.
- According to the Society for Worldwide Interbank Financial Telecommunication (SWIFT), the ranking of the RMB as international payment currency based on transaction amount dropped to number six in the first half of 2016 and the RMB holds 1.82 per cent market share.

| Weekly Return/Risk Statistics     |       |                                    |     |       |        |  |  |     |  |   |
|-----------------------------------|-------|------------------------------------|-----|-------|--------|--|--|-----|--|---|
| Return                            |       |                                    |     | Risk  |        |  |  |     |  |   |
| Indices                           |       | 2016/7/11 -<br>2016/7/15<br>(Week) | Chg | MTD   | YTD    | 30-Day Realized<br>Volatility<br>(as of 2016/7/22) | 30-Day Realized<br>Volatility<br>(as of 2016/7/15) | Chg | Correlation with China<br>Foreign Exchange Trade<br>System (CFETS) RMB Index | Beta <sup>(1)</sup> vs CFETS<br>RMB Index |
| TR/HKEX RXY Global CNH (RXYH)     | 0.91% | -0.02%                             | Ŷ   | 0.33% | -4.52% | 3.71%  | 3.11%  | Ŷ   | 0.98   | 0.68                                      |
| TR/HKEX RXY Global CNY (RXYY)     | 0.97% | 0.23%                              | 1   | 0.42% | -5.63% | 3.58%  | 3.21%  | ♠   | 0.98   | 0.66                                      |
| TR/HKEX RXY Reference CNH (RXYRH) | 0.88% | -0.07%                             | 1   | 0.15% | -5.66% | 3.91%  | 3.56%  | ♠   | 0.98   | 0.65                                      |
| TR/HKEX RXY Reference CNY (RXYRY) | 1.01% | 0.29%                              | ſ   | 0.61% | -4.47% | 3.58%  | 2.96%  | Ŷ   | 0.98   | 0.69                                      |

Global CNH

TR/HKEX RXY Global CNH

USD

EUR

JPY

KRW HKD

AUD

MYR

RUB

GBP

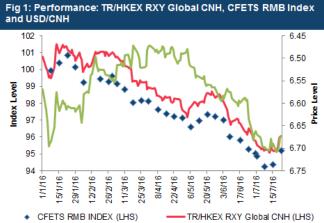
SGD THB

CAD

CHE

NZD 0.0%

#### **KEY DATA**



USD/CNH (RHS)

Fig 3: 30-Day Realized Volatility of TR/HKEX RXY Reference CNY and PBOC USD/CNY Fixing



Performance Contribution
Fig 4: Correlation, Beta and Tracking Error<sup>(3)</sup>: TR/HKEX RXY

0.2%

0.4%

0.6%

0.8%

1.0%

Reference CNY vs CFETS RMB Index

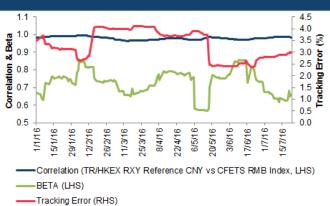


Fig 2: Weekly Performance Contribution Breakdown<sup>(2)</sup>: TR/HKEX RXY

Definitions:

(1) Beta is a measure of currency index sensitivity to a benchmark. We calculate beta by comparing currency index excess return over Shanghai Interbank Offered Rate (SHIBOR) to CFETS RMB index excess return over SHIBOR based on the prior 3 month daily data. Beta of 0.66 shows that the currency index performs 33% worse than the benchmark index in up markets for the benchmark index and 33% better in down markets for the benchmark index, assuming all other factors remain constant.

(2) Contribution (weighted return) of each constituent to RXYH performance. For the constituent weights, please refer to information on page 2

(3) Tracking error is a measure of volatility of the difference in returns between a currency index and its benchmark. We calculate tracking error as a standard deviation of the returns differences of the currency index and the CFETS RMB index based on the prior 3 month daily data.



### **TR/HKEX RMB CURRENCY INDICES (RXY)**

#### **PRODUCT HIGHLIGHTS**

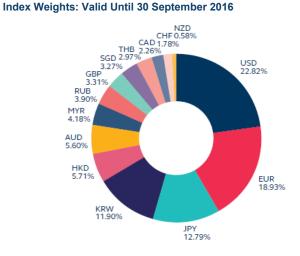
- The RXY indices offer independent, transparent and timely benchmarks for RMB against Mainland China's most important trade partners' currencies.
- The indices are calculated based on WM/Reuters foreign exchange rates (WM/Reuters FX Rates) and managed in accordance with the IOSCO (International Organisation of Securities Commissions) principles for financial benchmarks.
- The RXY indices are designed to be the basis for investment and trading products such as futures, options and exchange traded funds.

#### **METHODOLOGY**

| Calculation Method:    | Geometric Average   |
|------------------------|---|
| Weighting Method:      | Bilateral trade weighted with adjustment for Hong Kong re-exports               |
| Trade Data Source:     | UN Comtrade, Hong Kong Census and<br>Statistics Department                      |
| Weighting Rebalance:   | Annual review. Announcement in June,<br>Implementation first business day of Q4 |
| Calculation Frequency: | Hourly  |
| FX Rate Data Source:   | WM/Reuters FX Rates   |
| Base Date:             | 100 as of 31 December 2014  |

For more details, a complete methodology document is available at: <u>financial.thomsonreuters.com/fxindices</u>

### PRIMARY INDEX: TR/HKEX RXY GLOBAL CNH CURRENCY INDEX



| INDEX WEIGHTS |                                |                                   |                 |  |
|---------------|--------------------------------|-----------------------------------|-----------------|--|
| Currency      | RXY Global<br>Currency Indices | RXY Reference<br>Currency Indices | CFETS RMB Index |  |
| USD           | 22.81%                         | 25.89%                            | 26.40%          |  |
| EUR           | 18.93%                         | 21.49%                            | 21.39%          |  |
| JPY           | 12.79%                         | 14.52%                            | 14.68%          |  |
| KRW           | 11.90%                         | 0.00%                             | 0.00%           |  |
| HKD           | 5.71%                          | 6.48%                             | 6.55%           |  |
| AUD           | 5.60%                          | 6.36%                             | 6.27%           |  |
| MYR           | 4.18%                          | 4.74%                             | 4.67%           |  |
| RUB           | 3.90%                          | 4.43%                             | 4.36%           |  |
| GBP           | 3.31%                          | 3.75%                             | 3.86%           |  |
| SGD           | 3.27%                          | 3.71%                             | 3.82%           |  |
| THB           | 2.97%                          | 3.38%                             | 3.33%           |  |
| CAD           | 2.26%                          | 2.57%                             | 2.53%           |  |
| CHF           | 1.78%                          | 2.02%                             | 1.51%           |  |
| NZD           | 0.58%                          | 0.66%                             | 0.65%           |  |

## For more information about RXY Indices,

please visit: <u>http://www.hkex.com.hk/eng/prod/drprod/rmb/rxy.htm</u> If you have any questions, please contact us at:

| Address: | 10/F One International Finance Centre     |  |  |  |
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|          | 1 Harbour View Street, Central, Hong Kong |  |  |  |
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