



**TLREF National Working Committee  
Public Announcement on  
“The IBOR Transition Process and TLREF Works”  
Basis Survey Analysis Update  
June 28, 2022**

The analysis results in the annex of the Recommendation regarding “Deciding on the transition spread recommendation in the context of the Basis Survey Analysis for transactions involving TRLIBOR and subject to transition” included in “The IBOR Transition Process and TLREF Works” Recommendation announced publicly on 26 May 2022 is updated as of 25 May 2022 by the TLREF National Working Committee (NWC) in order to include the new data.

**“Deciding on the transition spread recommendation within the framework of Basis Survey Analysis for transactions that include TRLIBOR and will be subject to transition:**

As a result of the studies conducted by NWC, the “spread calculation method” recommendation and transition spreads recommended as per the analysis results dated 25 May 2022 as specified in Table 1 are calculated as 100 bps for agreements with a 1-month payment interest frequency, 93 bps for agreements with a 3-month payment interest frequency and 58 bps for agreements with a 6-month payment interest frequency.

Within this context, the analysis results prepared by NWC are presented in Annex 1, together with the past analysis.

**Table 1: Spread Calculation Method Recommendation**

<b>Data Set</b>	<b>Alternative Data Valuation Method</b>	<b>Alternatives Calculation Method</b>	<b>Spread Determination Period</b>	<b>Potential Averaging Method</b>
Past 5 Years	$\Delta(i)$	The In Arrears methodology should be used	It should be in line with the product's own installment payment frequency (different spreads should be used for 1-3-6 Months)	Trimmed Average Basis

Kindly announced to the public.

The Banks Association of Türkiye

## Annex 1 - TLREF Basic Survey Analysis with TRLIBOR: Summary Results

The spread calculation method recommendation provided in the following Table 1 and the corresponding spreads are recommended as a result of the works carried out by the NWC. Within this context, spreads recommended according to the spread calculation method as per the analysis results dated May 25, 2022 are calculated as 100 bps for agreements with a 1-month interest frequency, 93 bps for agreements with a 3-month interest frequency and 58 bps for agreements with a 6-month interest frequency. The related numbers are illustrated with a “red frame” in Table 1.

25 May, 2022: Table 1:

<i>Ex-Post</i>		Alternative 1 (in-arrears)			Alternative 2 (in-advance)			Alternative 2-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-551 bps	-698 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+329 bps	+530 bps	+830 bps	+282 bps	+495 bps	+675 bps	+270 bps	+294 bps	+318 bps
	Average Basis	+62 bps	+72 bps	+51 bps	+32 bps	+34 bps	+43 bps	+46 bps	+64 bps	+72 bps
	Trimmed Average Basis	+61 bps	+70 bps	+49 bps	+35 bps	+38 bps	+47 bps	+49 bps	+71 bps	+81 bps
	Median Basis	+66 bps	+77 bps	+99 bps	+53 bps	+75 bps	+54 bps	+58 bps	+99 bps	+96 bps
	$\sigma$	22 bps	22 bps	23 bps	21 bps	19 bps	18 bps	20 bps	20 bps	20 bps
~5 Years Historical	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-702 bps	-892 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+500 bps	+575 bps	+892 bps	+715 bps	+979 bps	+1212 bps	+648 bps	+735 bps	+780 bps
	Average Basis	+103 bps	+100 bps	+68 bps	+104 bps	+115 bps	+103 bps	+111 bps	+139 bps	+158 bps
	Trimmed Average Basis	+100 bps	+93 bps	+58 bps	+98 bps	+113 bps	+107 bps	+105 bps	+133 bps	+151 bps
	Median Basis	+102 bps	+103 bps	+104 bps	+103 bps	+135 bps	+157 bps	+113 bps	+138 bps	+146 bps
	$\sigma$	23 bps	22 bps	21 bps	22 bps	22 bps	23 bps	21 bps	21 bps	21 bps

<i>Ex-Post</i> ( $\Delta(i)/i$ )		Alternative 3 (in-arrears)			Alternative 4 (in-advance)			Alternative 5-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	$\Delta(i)/i$	4,10%	4,48%	3,27%	2,34%	2,56%	3,13%	3,26%	4,76%	5,45%
~5 Years Historical	$\Delta(i)/i$	6,24%	5,74%	3,48%	6,15%	6,96%	6,36%	6,61%	8,39%	9,53%

11 October, 2021: Table 2:

<i>Ex-Post</i>		Alternative 1 (in-arrears)			Alternative 2 (in-advance)			Alternative 2-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-551 bps	-698 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+329 bps	+530 bps	+830 bps	+282 bps	+495 bps	+675 bps	+270 bps	+294 bps	+318 bps
	Average Basis	+54 bps	+35 bps	-3 bps	+34 bps	+31 bps	+76 bps	+46 bps	+42 bps	+41 bps
	Trimmed Average Basis	+53 bps	+28 bps	-16 bps	+38 bps	+35 bps	+87 bps	+48 bps	+45 bps	+48 bps
	Median Basis	+65 bps	+44 bps	+20 bps	+79 bps	+75 bps	+93 bps	+69 bps	+71 bps	+84 bps
	$\sigma$	22 bps	22 bps	24 bps	21 bps	19 bps	16 bps	21 bps	20 bps	20 bps
~5 Years Historical	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-702 bps	-892 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+500 bps	+575 bps	+892 bps	+715 bps	+979 bps	+1212 bps	+648 bps	+735 bps	+780 bps
	Average Basis	+105 bps	+84 bps	+44 bps	+122 bps	+138 bps	+141 bps	+124 bps	+144 bps	+163 bps
	Trimmed Average Basis	+102 bps	+76 bps	+31 bps	+119 bps	+140 bps	+151 bps	+120 bps	+139 bps	+157 bps
	Median Basis	+107 bps	+80 bps	+45 bps	+129 bps	+160 bps	+209 bps	+127 bps	+145 bps	+150 bps
	$\sigma$	22 bps	21 bps	20 bps	21 bps	21 bps	21 bps	20 bps	20 bps	20 bps
<i>Ex-Post (<math>\Delta(i)/i</math>)</i>		Alternative 1 (in-arrears)			Alternative 2 (in-advance)			Alternative 2-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	$\Delta(i)/i$	3,60%	1,90%	-1,14%	2,55%	2,42%	6,12%	3,27%	3,06%	3,25%
~5 Years Historical	$\Delta(i)/i$	6,70%	4,88%	1,92%	7,81%	9,03%	9,47%	7,94%	9,16%	10,35%

30 June, 2021: Table 3:

<i>Ex-Post</i>		Alternative 1 (in-arrears)			Alternative 2 (in-advance)			Alternative 2-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-550 bps	-698 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+344 bps	+530 bps	+830 bps	+282 bps	+495 bps	+675 bps	+270 bps	+294 bps	+318 bps
	Average Basis	+49 bps	+31 bps	+8 bps	+29 bps	+29 bps	+85 bps	+41 bps	+37 bps	+38 bps
	Trimmed Average Basis	+44 bps	+19 bps	-1 bps	+29 bps	+31 bps	+98 bps	+40 bps	+36 bps	+42 bps
	Median Basis	+57 bps	+16 bps	+47 bps	+54 bps	+74 bps	+159 bps	+43 bps	+44 bps	+59 bps
	$\sigma$	26 bps	24 bps	24 bps	23 bps	20 bps	16 bps	30 bps	28 bps	29 bps
~5 Years Historical	Min. Basis	-123 bps	-250 bps	-522 bps	-310 bps	-702 bps	-892 bps	-231 bps	-285 bps	-337 bps
	Max. Basis	+500 bps	+575 bps	+892 bps	+715 bps	+979 bps	+1211 bps	+648 bps	+735 bps	+780 bps
	Average Basis	+108 bps	+92 bps	+61 bps	+122 bps	+143 bps	+162 bps	+125 bps	+146 bps	+167 bps
	Trimmed Average Basis	+104 bps	+82 bps	+46 bps	+121 bps	+149 bps	+173 bps	+122 bps	+143 bps	+163 bps
	Median Basis	+110 bps	+89 bps	+75 bps	+127 bps	+164 bps	+237 bps	+127 bps	+148 bps	+154 bps
	$\sigma$	23 bps	21 bps	20 bps	22 bps	21 bps	20 bps	26 bps	26 bps	26 bps
<i>Ex-Post (<math>\Delta(i)/i</math>)</i>		Alternative 1 (in-arrears)			Alternative 2 (in-advance)			Alternative 2-14D (Fixed 14 Days Look-Back)		
		1-Month	3-Months	6-Months	1-Month	3-Months	6-Months	1-Month	3-Months	6-Months
From the Beginning of TLREF (2019)	$\Delta(i)/i$	3,42%	2,21%	0,56%	2,04%	2,06%	6,30%	2,86%	2,57%	2,64%
~5 Years Historical	$\Delta(i)/i$	7,41%	6,24%	4,00%	8,42%	9,66%	10,66%	8,63%	10,09%	11,49%