


TEMPO

STRUCTURED PRODUCTS

AN ALPHA REAL CAPITAL GROUP COMPANY

- TICS -
TEMPO ISSUER & COUNTERPARTY SCORECARDS
- MONTHLY MOVEMENT: SEPTEMBER 2019 -

FOR PROFESSIONAL ADVISER USE ONLY
- NOT FOR USE WITH CLIENTS -

KEY ALPHA STATISTICS:

(as at 31 Mar 19)

£3.0bn

AUM and capital
commitments

120+

Professional team

10

Platforms

5

International
offices

4

Core business
areas

Alpha Real Capital LLP is an international co-investing fund management group.

Established in 2005, and headquartered in London, Alpha comprises an international network of offices in the UK, Europe and Asia. A 120+ strong professional team, combining experience and expertise with research, analysis and market knowledge, operates through 10 platforms, across diversified investment markets, offering listed and unlisted property vehicles, open and closed-ended property vehicles, and UK and international funds, products and wealth management services. Alpha engages with institutional investors, family offices, wealth managers and professional advisers / IFAs, as well as UHNW, HNW and private investors.

TIME Investments is the authorised wealth management and investment services arm of Alpha. TIME specialises in ground rent and other 'long income' property funds (having acquired the real estate asset management business of Close Brothers Group in 2011), Inheritance Tax Services, including Business Relief (BR), and investment services, including Enterprise Investment Schemes (EIS).

Tempo Structured Products is a new Alpha platform, with four areas of focus: i) Retail: focusing on straightforward, lower risk structured products, for distribution through TIME Investments to UK Professional Advisers (IFAs and wealth managers); ii) Institutions / Pension funds: working with institutions / pension fund consultants, to develop 'smart structured products' (fusing structured, passive and smart beta strategies together); iii) HNW / UHNW / Family Offices: working with Alpha contacts to design bespoke structured product solutions for Family Offices, UHNW and HNW Individuals; iv) Strategic Alliances: partnering with other institutions, offering our expertise and issuer relationships as a specialist structured products unit, for the benefit of their clients and customers.

- **Every month, we monitor the monthly movement within TICS:**
 - Category Scorecards
 - Amalgamated Scorecard

- **We identify and highlight movement up and down the rankings:**
 - and we draw attention to any issuer / counterparty that moves up or down in any Category Scorecard or the Amalgamated Scorecard by more than 5 places

- **Amalgamated:**
 - Overall, the amalgamated scores for September are marginally higher (i.e. worse) compared to August on average, driven by the CDS and Fundamentals (Market Indicators) scorecards.
 - 1 bank improved by more than 5 places (Wells Fargo) and no banks worsened by more than 5 places overall.
- **Credit rating:**
 - There were no rating changes over the month, and no banks moved in the scorecard.
- **CDS:**
 - Overall, the average CDS score for September is slightly higher compared to August, meaning there has been a general worsening in CDS rates. This has been the general trend over the past two months: Currently, only 2 banks are trading at their 1-year low for the 5-year CDS rate (down from 13 in July).
 - JP Morgan, BPCE Natixis, Commerzbank and Credit Suisse all moved up by 5 places or more.
 - Bank of China, RBC and Danske Bank all moved down by 5 places or more.

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- **Fundamentals – Balance sheet:**

- UBS AG moved up by 5 places, due to an improvement (reduction) in the Price-to-Book ratio.

- **Fundamentals – Market indicators:**

- Three banks moved down by 5 places or more: Santander moved down by 5 places (due to a lower market capitalisation, lower share price and higher share price volatility), Standard Chartered moved down by 7 places (due to lower market capitalisation, a lower share price and higher share price volatility) and Prudential moved down by 9 places (due to lower market capitalisation, a lower share price, higher share price volatility and higher share price beta).

- **Systemic Importance:**

- No banks moved by more than 5 places.

TICS monthly movement: September 2019 ...

TICS CREDIT RATING CATEGORY				
ISSUER / COUNTERPARTY	MOVEMENT + / -	PREVIOUS RANK	NEW RANK	COMMENT
N/A				

TICS monthly movement: September 2019 ...

TICS CDS CATEGORY				
ISSUER / COUNTERPARTY	MOVEMENT + / -	PREVIOUS RANK	NEW RANK	COMMENT
JP Morgan	+7	19	12	Both the 5Y and 1Y CDS decreased (i.e. improved), and the 5Y CDS moved towards the 1-year low.
Bank of China	-7	12	19	Both the 5Y and 1Y CDS increased (i.e. worsened), the 5Y CDS moved away from the 1-year low and CDS volatility increased.
RBC	-8	14	22	Both the 5Y and 1Y CDS increased (i.e. worsened), and the 5Y CDS moved away from the 1-year low.
BPCE Natixis	+6	29	23	Both the 5Y and 1Y CDS decreased (i.e. improved), and the 5Y CDS moved towards the 1-year low.
Danske Bank	-10	5	15	Both the 5Y and 1Y CDS increased (i.e. worsened), and the 5Y CDS moved away from the 1-year low.
Commerzbank	+8	22	14	The 5Y CDS decreased (i.e. improved), and the 5Y CDS moved towards the 1-year low.
Credit Suisse	+5	16	11	No change in overall score – movement relative to other banks.

TICS monthly movement: September 2019...

TICS FUNDAMENTALS (BALANCE SHEET) CATEGORY				
ISSUER / COUNTERPARTY	MOVEMENT + / -	PREVIOUS RANK	NEW RANK	COMMENT
UBS AG	+5	16	11	Slight decrease in Price-to-Book ratio.

TICS monthly movement: September 2019 ...

TICS FUNDAMENTALS (MARKET INDICATORS) CATEGORY				
ISSUER / COUNTERPARTY	MOVEMENT + / -	PREVIOUS RANK	NEW RANK	COMMENT
Santander	-5	13	18	Market capitalisation decreased, share price decreased and the share price volatility increased.
Standard Chartered	-7	23	30	Market capitalisation decreased, share price decreased and the share price volatility increased.
Prudential	-9	12	21	Market capitalisation decreased, share price decreased, share price volatility increased and share price moved closer to 12-month low.

TICS monthly movement: September 2019 ...

TICS SYSTEMIC IMPORTANCE CATEGORY				
ISSUER / COUNTERPARTY	MOVEMENT + / -	PREVIOUS RANK	NEW RANK	COMMENT
N/A				

TICS Amalgamated: September 2019 monthly movement ...

	Bank / Institution	Region	Sovereign	September 2019			August 2019			July 2019		
				Score	Rank	+/- Rank Change	Score	Rank	+/- Rank Change	Score	Rank	+/- Rank Change
1	HSBC	UK	UK	348.4	1	0	338.9	1	0	445.8	1	0
2	Credit Agricole	Europe	France	415.9	2	0	421.9	2	0	441.5	6	1
3	JP Morgan	North America	USA	425.7	3	1	428.7	4	0	444.3	8	(5)
4	UBS AG	Europe	Switzerland	428.6	4	2	435.6	6	(3)	450.1	5	(3)
5	CCB	Asia	China	430.9	5	0	430.9	5	0	445.0	2	10
6	BNP Paribas	Europe	France	433.2	6	1	437.7	7	(1)	449.8	9	(3)
7	Bank of China	Asia	China	435.4	7	(4)	424.9	3	4	476.5	12	(8)
8	ICBC	Asia	China	436.4	8	0	438.2	8	0	474.8	3	2
9	Wells Fargo	North America	USA	440.1	9	5	447.2	14	(4)	478.9	13	(5)
10	Bank of America	North America	USA	442.8	10	1	445.8	11	2	490.3	14	(4)
11	Sumitomo	Asia	Japan	443.0	11	(1)	443.0	10	(1)	483.6	4	10
12	Nordea	Europe	Sweden	444.5	12	0	446.3	12	(1)	492.0	15	0
13	RBC	North America	Canada	445.6	13	(4)	438.8	9	6	517.6	11	(2)
14	Mitsubishi	Asia	Japan	446.5	14	(1)	446.5	13	(1)	515.3	10	3
15	BONYM	North America	USA	446.8	15	0	448.3	15	(1)	519.7	7	4
16	State Street	North America	USA	471.2	16	0	474.7	16	1	523.0	17	0
17	Mizuho	Asia	Japan	477.1	17	0	477.1	17	(1)	540.7	16	0
18	ABC	Asia	China	478.9	18	0	477.4	18	0	495.4	18	2
19	BPCE Natixis	Europe	France	481.3	19	1	490.3	20	0	524.6	20	2
20	Societe Generale	Europe	France	482.1	20	(1)	483.6	19	0	542.3	19	(1)
21	Citi	North America	USA	496.3	21	0	492.0	21	0	570.5	21	(2)
22	Santander	Europe	Spain	509.9	22	0	509.1	22	3	502.4	24	0
23	Morgan Stanley	North America	USA	515.3	23	1	513.0	24	0	557.3	25	(2)
24	MSIP	UK	UK	519.7	24	2	519.7	26	0	570.7	23	2
25	Goldman Sachs	North America	USA	525.8	25	0	517.3	25	2	561.9	27	1
26	ING Bank	Europe	Netherlands	530.9	26	1	530.9	27	2	608.9	29	0
27	Standard Chartered	UK	UK	531.1	27	(4)	511.1	23	(1)	612.7	22	(1)
28	Lloyds	UK	UK	534.1	28	0	533.4	28	0	601.2	26	1
29	Danske Bank	Europe	Denmark	541.5	29	0	534.8	29	1	634.8	31	0
30	Commerzbank	Europe	Germany	560.8	30	3	572.8	33	0	671.5	33	(3)
31	Prudential	UK	UK	561.7	31	(1)	552.4	30	(7)	709.0	28	(2)
32	Aviva	UK	UK	566.5	32	(1)	567.6	31	0	0.0	35	(3)
33	Credit Suisse	Europe	Switzerland	572.9	33	1	575.2	34	0	505.8	34	0
34	Barclays	UK	UK	574.7	34	(2)	572.4	32	0	0.0	30	3
35	RBS	UK	UK	599.1	35	1	610.4	36	0	0.0	37	1
36	Investec Bank plc	UK	UK	610.9	36	(1)	609.1	35	2	Rank	36	0
37	Nomura	Asia	Japan	614.2	37	0	612.7	37	(2)	3.0	32	3
38	Deutsche Bank	Europe	Germany	649.3	38	0	631.1	38	0	17.0	38	(1)
39	Unicredit Group	Europe	Italy	658.4	39	0	672.7	39	0	1.0	39	0
40	Bank of Ireland	Europe	Ireland	706.0	40	0	706.0	40	0	16.0	40	0

TICS Credit Ratings: September 2019 monthly movement ...

	Bank / Institution	Region	Sovereign	September 2019			August 2019			July 2019		
				Credit Rating Score	Credit Rating Rank	+/- Rank Change	Credit Rating Score	Credit Rating Rank	+/- Rank Change	Credit Rating Score	Credit Rating Rank	+/- Rank Change
1	HSBC	UK	UK	4.00	2	0	4.00	2	0	4.00	2	0
2	Credit Agricole	Europe	France	4.92	5	0	4.92	5	0	4.92	5	0
3	JP Morgan	North America	USA	5.67	15	0	5.67	15	0	5.67	15	0
4	UBS AG	Europe	Switzerland	5.33	10	0	5.33	10	0	5.33	10	0
5	CCB	Asia	China	5.67	13	0	5.67	13	0	5.67	13	0
6	BNP Paribas	Europe	France	4.67	4	0	4.67	4	0	4.67	4	0
7	Bank of China	Asia	China	5.67	14	0	5.67	14	0	5.67	14	0
8	ICBC	Asia	China	5.67	12	0	5.67	12	0	5.67	12	0
9	Wells Fargo	North America	USA	6.08	22	0	6.17	22	0	6.17	22	0
10	Bank of America	North America	USA	6.00	21	0	6.00	21	0	6.00	21	0
11	Sumitomo	Asia	Japan	5.92	19	0	5.92	19	(1)	5.92	18	0
12	Nordea	Europe	Sweden	4.00	1	0	4.00	1	0	4.00	1	0
13	RBC	North America	Canada	4.33	3	0	4.33	3	0	4.33	3	0
14	Mitsubishi	Asia	Japan	5.92	18	0	5.92	18	(1)	5.92	17	0
15	BONYM	North America	USA	5.00	6	0	5.00	6	0	5.00	6	0
16	State Street	North America	USA	5.00	7	0	5.00	7	0	5.00	7	0
17	Mizuho	Asia	Japan	6.25	24	0	6.25	24	0	6.25	24	0
18	ABC	Asia	China	5.67	16	0	5.67	16	0	5.67	16	0
19	BPCE_Natixis	Europe	France	5.00	8	0	5.00	8	0	5.00	8	0
20	Societe Generale	Europe	France	5.58	11	0	5.58	11	0	5.58	11	0
21	Citi	North America	USA	7.00	33	0	7.00	33	0	7.00	33	0
22	Santander	Europe	Spain	6.33	25	0	6.33	25	0	6.33	25	0
23	Morgan Stanley	North America	USA	7.00	31	0	7.00	31	0	7.00	31	0
24	MSIP	UK	UK	5.00	9	0	5.00	9	0	5.00	9	0
25	Goldman Sachs	North America	USA	7.00	32	0	7.00	32	0	7.00	32	0
26	ING Bank	Europe	Netherlands	6.67	29	0	6.67	29	0	6.67	29	0
27	Standard Chartered	UK	UK	6.67	27	0	6.67	27	0	6.67	27	0
28	Lloyds	UK	UK	6.67	28	0	6.67	28	0	6.67	28	0
29	Danske Bank	Europe	Denmark	6.25	23	0	6.25	23	0	6.25	23	0
30	Commerzbank	Europe	Germany	6.75	30	0	6.75	30	0	6.75	30	0
31	Prudential	UK	UK	6.00	20	0	6.00	20	0	6.00	20	0
32	Aviva	UK	UK	5.67	17	0	5.67	17	2	5.92	19	0
33	Credit Suisse	Europe	Switzerland	7.92	35	0	7.92	35	0	7.92	35	1
34	Barclays	UK	UK	8.25	38	0	8.25	38	0	8.25	38	0
35	RBS	UK	UK	7.92	36	0	7.92	36	0	7.92	36	1
36	Investec Bank plc	UK	UK	6.50	26	0	6.50	26	0	6.50	26	0
37	Nomura	Asia	Japan	7.67	34	0	7.67	34	0	7.42	34	0
38	Deutsche Bank	Europe	Germany	8.08	37	0	8.08	37	0	8.08	37	(2)
39	Unicredit Group	Europe	Italy	8.75	39	0	8.75	39	0	8.83	39	0
40	Bank of Ireland	Europe	Ireland	9.50	40	0	9.50	40	0	9.50	40	0

TICS CDS: September 2019 monthly movement ...

	Bank / Institution	Region	Sovereign	September 2019			August 2019			July 2019		
				CDS Score	CDS Rank	+/- Rank Change	CDS Score	CDS Rank	+/- Rank Change	CDS Score	CDS Rank	+/- Rank Change
1	HSBC	UK	UK	3.00	16	(3)	2.70	13	(10)	1.65	3	3
2	Credit Agricole	Europe	France	1.80	2	(1)	1.80	1	1	1.65	2	10
3	JP Morgan	North America	USA	2.90	12	7	3.20	19	(6)	2.95	13	2
4	UBS AG	Europe	Switzerland	1.50	1	1	1.80	2	(1)	1.50	1	4
5	CCB	Asia	China	N/A	36	0	N/A	36	0	N/A	36	0
6	BNP Paribas	Europe	France	2.40	10	1	2.40	11	(4)	2.25	7	0
7	Bank of China	Asia	China	3.25	19	(7)	2.65	12	8	3.40	20	1
8	ICBC	Asia	China	N/A	37	0	N/A	37	0	N/A	37	0
9	Wells Fargo	North America	USA	2.90	13	4	3.05	17	(3)	2.95	14	3
10	Bank of America	North America	USA	3.15	17	(2)	3.05	15	1	3.05	16	2
11	Sumitomo	Asia	Japan	2.10	4	0	2.10	4	1	2.10	5	(3)
12	Nordea	Europe	Sweden	2.15	5	2	2.30	7	2	2.30	9	4
13	RBC	North America	Canada	3.60	22	(8)	2.85	14	10	3.60	24	(13)
14	Mitsubishi	Asia	Japan	1.90	3	0	1.90	3	1	1.90	4	(3)
15	BONYM	North America	USA	2.35	8	0	2.35	8	2	2.35	10	(6)
16	State Street	North America	USA	N/A	40	0	N/A	40	0	N/A	40	0
17	Mizuho	Asia	Japan	2.35	9	0	2.35	9	(3)	2.20	6	(3)
18	ABC	Asia	China	6.40	34	0	6.40	34	0	6.40	34	(2)
19	BPCE Natixis	Europe	France	3.75	23	6	4.35	29	1	4.35	30	(1)
20	Societe Generale	Europe	France	2.25	7	(1)	2.25	6	2	2.25	8	0
21	Citi	North America	USA	3.95	27	(3)	3.80	24	2	3.80	26	1
22	Santander	Europe	Spain	2.20	6	4	2.35	10	9	3.25	19	(9)
23	Morgan Stanley	North America	USA	3.80	24	(1)	3.65	23	4	3.80	27	(1)
24	MSIP	UK	UK	N/A	39	0	N/A	39	0	N/A	39	0
25	Goldman Sachs	North America	USA	3.90	25	0	3.80	25	4	3.95	29	1
26	ING Bank	Europe	Netherlands	3.15	18	0	3.15	18	4	3.50	22	2
27	Standard Chartered	UK	UK	5.05	31	(4)	4.15	27	(9)	3.10	18	4
28	Lloyds	UK	UK	3.45	20	0	3.20	20	(3)	3.05	17	2
29	Danske Bank	Europe	Denmark	3.00	15	(10)	2.25	5	7	2.85	12	11
30	Commerzbank	Europe	Germany	3.00	14	8	3.60	22	(1)	3.45	21	7
31	Prudential	UK	UK	3.90	26	0	3.90	26	(11)	3.00	15	(1)
32	Aviva	UK	UK	4.80	30	1	4.95	31	(3)	3.90	28	3
33	Credit Suisse	Europe	Switzerland	2.90	11	5	3.05	16	(5)	2.75	11	14
34	Barclays	UK	UK	4.40	28	0	4.25	28	(3)	3.65	25	(9)
35	RBS	UK	UK	5.20	33	(1)	5.65	32	0	5.65	32	1
36	Investec Bank plc	UK	UK	N/A	38	0	N/A	38	0	N/A	38	0
37	Nomura	Asia	Japan	3.50	21	0	3.50	21	2	3.50	23	(14)
38	Deutsche Bank	Europe	Germany	8.00	35	0	6.95	35	0	7.20	35	0
39	Unicredit Group	Europe	Italy	5.10	32	1	6.05	33	0	5.75	33	1
40	Bank of Ireland	Europe	Ireland	4.60	29	1	4.60	30	1	4.60	31	(11)

TICS Fundamentals (Balance Sheet): September 2019 monthly movement ...

	Bank / Institution	Region	Sovereign	September 2019			August2019			July 2019		
				Balance Sheet Score	Balance Sheet Rank	+/- Rank Change	Balance Sheet Score	Balance Sheet Rank	+/- Rank Change	Balance Sheet Score	Balance Sheet Rank	+/- Rank Change
1	HSBC	UK	UK	3.25	1	0	3.25	1	0	3.25	1	0
2	Credit Agricole	Europe	France	3.95	16	2	4.10	18	(4)	3.95	14	(1)
3	JP Morgan	North America	USA	4.25	22	0	4.25	22	0	4.25	22	1
4	UBS AG	Europe	Switzerland	3.80	11	5	3.95	16	1	3.95	17	(1)
5	CCB	Asia	China	3.40	3	0	3.40	3	0	3.40	3	0
6	BNP Paribas	Europe	France	4.80	32	3	4.95	35	(5)	4.80	30	1
7	Bank of China	Asia	China	4.05	19	(2)	4.05	17	1	4.05	18	1
8	ICBC	Asia	China	3.95	17	(2)	3.95	15	1	3.95	16	(1)
9	Wells Fargo	North America	USA	3.85	12	(2)	3.85	10	0	3.85	10	1
10	Bank of America	North America	USA	4.05	18	2	4.20	20	0	4.20	20	(2)
11	Sumitomo	Asia	Japan	3.35	2	0	3.35	2	0	3.35	2	0
12	Nordea	Europe	Sweden	4.85	33	3	5.00	36	(1)	5.00	35	1
13	RBC	North America	Canada	5.55	38	0	5.70	38	0	5.70	38	0
14	Mitsubishi	Asia	Japan	3.75	9	(1)	3.75	8	0	3.75	8	1
15	BONYM	North America	USA	4.45	24	2	4.60	26	0	4.60	26	(2)
16	State Street	North America	USA	3.80	10	4	3.95	14	1	3.95	15	(1)
17	Mizuho	Asia	Japan	3.90	14	(2)	3.90	12	0	3.90	12	0
18	ABC	Asia	China	3.90	15	(2)	3.90	13	0	3.90	13	4
19	BPCE Natixis	Europe	France	4.65	27	1	4.65	28	(1)	4.65	27	0
20	Societe Generale	Europe	France	4.70	30	(1)	4.70	29	(1)	4.70	28	0
21	Citi	North America	USA	3.55	5	2	3.70	7	0	3.70	7	(2)
22	Santander	Europe	Spain	5.00	37	0	5.00	37	(1)	5.00	36	1
23	Morgan Stanley	North America	USA	3.55	6	(1)	3.55	5	0	3.55	5	1
24	MSIP	UK	UK	4.86	34	(2)	4.86	32	0	4.86	32	1
25	Goldman Sachs	North America	USA	3.85	13	(2)	3.85	11	0	3.85	11	(3)
26	ING Bank	Europe	Netherlands	4.75	31	(1)	4.75	30	3	4.90	33	(3)
27	Standard Chartered	UK	UK	3.55	4	0	3.55	4	0	3.55	4	0
28	Lloyds	UK	UK	4.05	20	1	4.20	21	0	4.20	21	1
29	Danske Bank	Europe	Denmark	4.70	28	3	4.85	31	0	4.85	31	1
30	Commerzbank	Europe	Germany	4.35	23	1	4.50	24	0	4.50	24	2
31	Prudential	UK	UK	N/A	40	0	N/A	40	0	N/A	40	0
32	Aviva	UK	UK	N/A	39	0	N/A	39	0	N/A	39	0
33	Credit Suisse	Europe	Switzerland	4.45	25	(2)	4.45	23	0	4.45	23	2
34	Barclays	UK	UK	3.65	8	(2)	3.65	6	0	3.65	6	1
35	RBS	UK	UK	3.65	7	2	3.80	9	0	3.80	9	1
36	Investec Bank plc	UK	UK	4.90	35	(2)	4.90	33	4	5.05	37	(3)
37	Nomura	Asia	Japan	4.70	29	(4)	4.55	25	0	4.55	25	(4)
38	Deutsche Bank	Europe	Germany	4.10	21	(2)	4.10	19	0	4.10	19	1
39	Unicredit Group	Europe	Italy	4.90	36	(2)	4.90	34	0	4.90	34	1
40	Bank of Ireland	Europe	Ireland	4.60	26	1	4.60	27	2	4.75	29	0

TICS Fundamentals (Market Indicator): September 2019 monthly movement

	Bank / Institution	Region	Sovereign	September 2019			August 2019			July 2019		
				Market Ind Score	Market Ind Rank	+/- Rank Change	Market Ind Score	Market Ind Rank	+/- Rank Change	Market Ind Score	Market Ind Rank	+/- Rank Change
1	HSBC	UK	UK	3.45	8	0	2.95	8	1	2.95	9	(1)
2	Credit Agricole	Europe	France	5.70	20	4	5.85	24	(2)	5.70	22	2
3	JP Morgan	North America	USA	1.90	2	0	1.75	2	0	1.75	2	0
4	UBS AG	Europe	Switzerland	6.20	27	0	6.00	27	(7)	5.35	20	3
5	CCB	Asia	China	2.25	4	0	2.25	4	0	2.25	4	(1)
6	BNP Paribas	Europe	France	5.35	12	4	5.35	16	2	5.35	18	(2)
7	Bank of China	Asia	China	2.60	6	0	2.45	6	(1)	2.30	5	0
8	ICBC	Asia	China	1.30	1	0	1.45	1	0	1.45	1	0
9	Wells Fargo	North America	USA	2.60	7	0	2.75	7	0	2.60	7	0
10	Bank of America	North America	USA	2.20	3	0	2.20	3	0	2.20	3	1
11	Sumitomo	Asia	Japan	5.70	19	2	5.70	21	0	5.55	21	(1)
12	Nordea	Europe	Sweden	6.55	31	(3)	6.05	28	0	5.85	28	(2)
13	RBC	North America	Canada	3.60	9	1	3.60	10	1	3.60	11	(2)
14	Mitsubishi	Asia	Japan	5.50	17	2	5.50	19	0	5.35	19	0
15	BONYM	North America	USA	5.90	24	(4)	5.60	20	4	5.75	24	(3)
16	State Street	North America	USA	6.65	32	0	6.50	32	1	6.65	33	0
17	Mizuho	Asia	Japan	5.75	22	0	5.75	22	3	5.75	25	(3)
18	ABC	Asia	China	2.45	5	0	2.30	5	1	2.45	6	0
19	BPCE Natixis	Europe	France	6.85	35	(1)	6.85	34	0	6.85	34	0
20	Societe Generale	Europe	France	6.70	33	2	6.85	35	0	6.85	35	0
21	Citi	North America	USA	4.00	10	(1)	3.35	9	1	3.35	10	0
22	Santander	Europe	Spain	5.50	18	(5)	5.20	13	0	4.70	13	0
23	Morgan Stanley	North America	USA	5.20	11	3	5.20	14	1	5.20	15	0
24	MSIP	UK	UK	N/A	40	0	N/A	40	0	N/A	40	0
25	Goldman Sachs	North America	USA	5.40	13	(2)	4.70	11	3	5.05	14	3
26	ING Bank	Europe	Netherlands	5.85	23	2	5.85	25	2	5.85	27	(2)
27	Standard Chartered	UK	UK	6.40	30	(7)	5.75	23	3	5.75	26	1
28	Lloyds	UK	UK	5.40	14	1	5.25	15	(3)	4.60	12	(1)
29	Danske Bank	Europe	Denmark	6.35	29	2	6.35	31	(1)	6.20	30	1
30	Commerzbank	Europe	Germany	7.50	39	0	7.35	39	0	7.35	39	0
31	Prudential	UK	UK	5.70	21	(9)	5.05	12	(4)	2.90	8	4
32	Aviva	UK	UK	6.05	25	1	5.90	26	(3)	5.75	23	5
33	Credit Suisse	Europe	Switzerland	6.15	26	3	6.15	29	0	6.15	29	0
34	Barclays	UK	UK	5.40	15	2	5.40	17	(1)	5.25	16	(2)
35	RBS	UK	UK	5.40	16	2	5.40	18	(1)	5.25	17	1
36	Investec Bank plc	UK	UK	6.70	34	(1)	6.55	33	(1)	6.40	32	0
37	Nomura	Asia	Japan	6.85	36	1	7.15	37	0	7.00	37	(1)
38	Deutsche Bank	Europe	Germany	7.10	37	(1)	6.85	36	0	6.85	36	2
39	Unicredit Group	Europe	Italy	6.30	28	2	6.30	30	1	6.30	31	(1)
40	Bank of Ireland	Europe	Ireland	7.30	38	0	7.30	38	0	7.15	38	(1)

TICS Systemic Importance: September 2019 monthly movement ...

	Bank / Institution	Region	Sovereign	September 2019			August 2019			July 2019		
				Systemic Imp Score	Systemic Imp Rank	+/- Rank Change	Systemic Imp Score	Systemic Imp Rank	+/- Rank Change	Systemic Imp Score	Systemic Imp Rank	+/- Rank Change
1	HSBC	UK	UK	2.29	3	0	2.29	3	0	2.29	3	0
2	Credit Agricole	Europe	France	3.35	17	0	3.35	17	0	3.35	17	(1)
3	JP Morgan	North America	USA	1.80	1	0	1.80	1	0	1.80	1	0
4	UBS AG	Europe	Switzerland	3.35	16	0	3.35	16	0	3.35	16	1
5	CCB	Asia	China	2.95	11	0	2.95	11	0	2.95	11	0
6	BNP Paribas	Europe	France	2.60	9	0	2.60	9	0	2.60	9	0
7	Bank of China	Asia	China	2.50	8	0	2.50	8	0	2.50	8	0
8	ICBC	Asia	China	2.50	7	0	2.50	7	0	2.50	7	0
9	Wells Fargo	North America	USA	2.35	4	0	2.35	4	0	2.35	4	0
10	Bank of America	North America	USA	2.40	5	0	2.40	5	0	2.40	5	0
11	Sumitomo	Asia	Japan	3.46	20	0	3.46	20	0	3.46	20	0
12	Nordea	Europe	Sweden	8.25	35	0	8.25	35	0	8.25	35	0
13	RBC	North America	Canada	3.15	14	0	3.15	14	0	3.15	14	0
14	Mitsubishi	Asia	Japan	2.76	10	0	2.76	10	0	2.76	10	0
15	BONYM	North America	USA	3.80	26	0	3.80	26	0	3.80	26	0
16	State Street	North America	USA	4.00	28	0	4.00	28	0	4.00	28	0
17	Mizuho	Asia	Japan	3.46	21	0	3.46	21	0	3.46	21	0
18	ABC	Asia	China	2.95	12	0	2.95	12	0	2.95	12	0
19	BPCE_Natixis	Europe	France	3.40	18	0	3.40	18	0	3.40	18	0
20	Societe Generale	Europe	France	3.40	19	0	3.40	19	0	3.40	19	0
21	Citi	North America	USA	2.10	2	0	2.10	2	0	2.10	2	0
22	Santander	Europe	Spain	3.71	25	0	3.71	25	0	3.71	25	0
23	Morgan Stanley	North America	USA	3.95	27	0	3.95	27	0	3.95	27	0
24	MSIP	UK	UK	8.81	37	0	8.81	37	0	8.81	37	0
25	Goldman Sachs	North America	USA	3.55	22	0	3.55	22	0	3.55	22	0
26	ING Bank	Europe	Netherlands	3.20	15	0	3.20	15	0	3.20	15	0
27	Standard Chartered	UK	UK	3.64	24	0	3.64	24	0	3.64	24	0
28	Lloyds	UK	UK	8.04	32	0	8.04	32	0	8.04	32	0
29	Danske Bank	Europe	Denmark	8.40	36	0	8.40	36	0	8.40	36	0
30	Commerzbank	Europe	Germany	8.05	33	0	8.05	33	0	8.05	33	0
31	Prudential	UK	UK	7.54	31	0	7.54	31	0	7.54	31	0
32	Aviva	UK	UK	7.49	30	0	7.49	30	0	7.49	30	0
33	Credit Suisse	Europe	Switzerland	3.55	23	0	3.55	23	0	3.55	23	0
34	Barclays	UK	UK	3.04	13	0	3.04	13	0	3.04	13	0
35	RBS	UK	UK	8.19	34	0	8.19	34	0	8.19	34	0
36	Investec Bank plc	UK	UK	8.94	38	0	8.94	38	0	8.94	38	0
37	Nomura	Asia	Japan	9.11	39	0	9.11	39	0	9.11	39	0
38	Deutsche Bank	Europe	Germany	2.40	6	0	2.40	6	0	2.40	6	0
39	Unicredit Group	Europe	Italy	4.39	29	0	4.39	29	0	4.39	29	0
40	Bank of Ireland	Europe	Ireland	9.20	40	0	9.20	40	0	9.20	40	0

- We developed our Scorecards for internal purposes: as part of our process of considering and selecting issuers and counterparties. We publish our Scorecards as part of our approach to providing transparency - and to support professional advisers in their research and due diligence responsibilities:
 - but it is important that professional advisers using them understand what they are and what they are not
- **WHAT THEY ARE:** the primary purpose of our scorecards is to compile multiple factors that potentially measure or indicate financial strength / credit risk, with a scoring system that provokes and supports more objective and detailed analysis, assessment, comparison, consideration and understanding of prospective issuers and counterparties
- **WHAT THEY ARE NOT:** the scoring system ranks the issuers and counterparties, but it is important that professional advisers understand that this is NOT their intended purpose:
 - *the purpose of our scorecards, including the rankings, and multiple data points, at an amalgamated, category and factor level, is to provoke and support **analysis**, **assessment** and **comparison** of the data, to aid more objective **consideration** and **understanding** of relative issuer / counterparty financial strength / credit risk*
- **It is also important that professional advisers understand that our Scorecards are not independent research or an investment recommendation:**
 - we do not provide any warranty regarding the data, methodology, scores or rankings: and we expressly exclude any liability for any judgement or interpretation based upon or influenced by our Scorecards
 - professional advisers should reach their own judgement of issuer / counterparty financial strength / credit risk

A : ANALYSIS

A : ASSESSMENT

C : COMPARISON

C : CONSIDERATION

U : *AND UNDERSTANDING*

- Our Scorecards are NOT about the rankings per se. All of the issuers / counterparties (with one or two exceptions) are strong banks, in the top percentile (based on criteria we assess) of the banking universe:
 - our Scorecards are designed to provoke and support **analysis** and **assessment** of the data, including **comparison** and **consideration**, leading to better **understanding** of prospective issuers and counterparties

- **Professional advisers are expected to undertake robust issuer / counterparty due diligence**

“Firms should carry out sufficient due diligence into the counterparty and not rely solely on credit rating agencies ...”

“We expect firms to look more broadly than just the credit rating, such as the rating, outlook, credit default swap (CDS) spreads and other market information, as well as ‘fundamentals’ on the issuer’s balance sheet.”

- **Our Scorecards provide easy access to multiple, widely recognised measures and indicators of financial strength / credit risk:**
 - that can help provoke and support detailed and more objective analysis, assessment, comparison, consideration and understanding of prospective issuers and counterparties, as part of product research and due diligence
- **Importantly, however, professional advisers should note our explanation of what our Scorecards are and what they are not - including understand that our Scorecards were developed for internal purposes, with a scoring system and weightings that we feel are appropriate:**
 - and we highlight that we can readily support professional advisers who may have different views and / or want to apply or explore different weightings

- **Issuer / counterparty risk is the most fundamental risk of structured products**
- **Our Issuer & Counterparty Scorecards have been developed for internal purposes, to aid more objective due diligence consideration and selection (or rejection) of prospective issuers / counterparties:**
 - based on the criteria that we assess, the banks that we monitor are (with one or two exceptions) in the top percentile of the global banking universe (of circa 5,000 banks)
 - our Scorecards are designed to help provoke and support detailed **analysis, assessment, comparison, consideration** and **understanding** of issuers / counterparties, based upon multiple factors that are widely recognised measures / indicators of financial strength / credit risk
- **We publish our Scorecards as part of our approach to proactively providing transparency with regard to the processes behind our products:**
 - and to support professional advisers in their product research and issuer / counterparty due diligence
- **We explain our methodology and the weightings we use for internal purposes - having given considerable thought to how to combine, balance and reflect our views of the relative importance of the factors:**
 - importantly, we highlight what our Scorecards are: and what they are not
- **We feel strongly that prompting professional advisers to carefully consider this essential aspect of structured products, supporting their research due diligence, is the right thing to be doing and a significant positive**

- **It should always be understood that:**
 - structured products are not suitable for everyone
 - past performance is not a reliable indicator of or guide to future performance and should not be relied upon, particularly in isolation
 - the value of investments and the income from them can go down as well as up
 - the value of structured products may be affected by the price of their underlying investments
 - capital is at risk and investors could lose some or all of their capital

- **The ‘Important risks’ section of our website highlights the key and other risks of structured products, in addition to explaining important information for Professional Advisers who wish to access the current products area of our website and who may use our structured product plans with their clients:**
 - www.tempo-sp.com/home/important-risks

- **Professional Advisers should access and read the relevant plan documents relating to any structured product plan of interest, in particular: the plan brochure; plan application pack, including, the terms and conditions of the plan; and the issuer’s securities prospectus, final terms sheet and key information document (KID), before making a recommendation to their clients**

- **Professional advisers should not invest in, or advise their clients to invest in, any investment product unless they and their clients understand them, in particular the relevant risks**

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