S&P Dow Jones Indices

A Division of S&P Global

iBoxx USD Asia ex-Japan Monthly Commentary

January 2024 Commentary

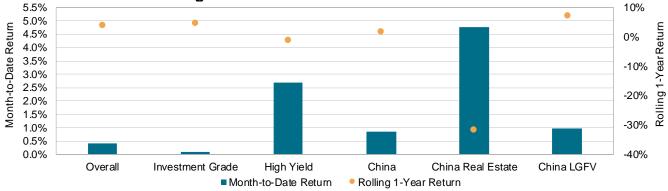
2024 began with no change in interest rates for most of the global and Asian central banks, with the U.S. Federal Reserve and the European Central Bank expressing that they would like to see more signs of inflation dampening, quashing market expectations of rate cuts in the short term. On the fiscal side, the U.S. Treasury department announced a further increase in debt issuances in the next three months, as the federal budget deficit continues to grow. U.S. 10-year Treasuries, which are regarded as the benchmark for global borrowing costs, retreated by 1.79%, as represented by iBoxx \$ Treasuries 10Y+, after rallying for two consecutive months.

On the equities front, following a 24.24% gain in 2023, the <u>S&P 500®</u> experienced a modest gain of 1.59% in January, unfazed by the higher yields of the 10+ year U.S. Treasuries.

In China, the Real Estate sector continues to be a drag on the economy, as the government expands fiscal injections and targeted policy measures to give support to the weak housing demand and property developers' liquidity issues. One measure introduced in January was to whitelist development projects eligible for loans and coordinate with financial institutions to issue loans on development projects rather than on the basis of developers. For the month of January, Chinese-issued U.S. dollar bonds—as represented by the iBoxx USD Asia ex-Japan China—gained 0.86%, while Chinese stocks—as represented by the <u>S&P China 500 (USD)</u>—lost 11.03%.

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Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Past performance is no guarantee of future results. Chart is provided for illustrative purposes.

The Asian U.S. dollar bond market started the year with a 0.41% gain, supported by a 2.70% rise in the high yield index and a 0.09% rise in the investment grade index. In terms of the rolling one-year returns, China Real Estate remained the worst-performing segment, losing 31.65%, while China LGFVs were one of the best-performing segments, with a positive return of 7.10%.

Similar to the U.S. Treasuries 10+ segment, the investment grade long-end maturity buckets broke their two-month uptrend, while short- to medium-end investment grade segments posted slight gains. In the high yield segment, CCC rated bonds rallied the most (up 8.53%).

Rating	0-1 Year (%)	1-3 Year (%)	3-5 Years (%)	5-7 Years (%)	7-10 Years (%)	10+ Years (%)	Overall (%)
Investment Grade	0.50	0.59	0.40	0.47	-0.07	-2.11	0.09
AAA	-0.04	0.49	0.23	1.48	0.11	-0.83	-0.05
AA	0.38	0.44	0.35	0.50	-0.03	-1.66	0.21
А	0.42	0.51	0.42	0.56	0.24	-0.81	0.30
BBB	0.57	0.72	0.40	0.39	-0.24	-2.94	-0.08
High Yield	2.99	2.94	1.77	1.79	4.36	4.13	2.70
BB	1.12	1.81	1.75	0.42	2.06	4.48	1.58
В	2.65	3.68	0.99	2.03	0.48	0.00	2.55
CCC	7.68	10.19	7.23	10.95	7.04	4.01	8.53

Exhibit 2: Rating and Maturity Month-to-Date Index Performance

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Of the top seven markets by market value in the index, five posted positive returns in January (Indonesia and Philippines were the two outliers). India, the second-best performer in 2023, was the only top seven market that gained more than 1% this month. Spreads across the five markets that posted positive returns narrowed, while duration lengthened across all markets except for China, Indonesia and Singapore.

Market Commentary

Market	Δ MTD (%)	Δ Yield (%)	Δ Spread (bps)	Δ Duration
Mainland China	0.86	-0.09	-12	-0.04
Hong Kong	0.44	0.01	-4	0.03
India	1.60	-0.10	-14	0.08
Indonesia	-1.37	0.26	16	-0.13
Singapore	0.33	0.02	-5	-0.11
South Korea	0.48	-0.03	-4	0.03
Philippines	-0.82	0.22	15	0.00

Exhibit 3: Top Seve	n Largest Markets	Month-to-Date	Performance	and Changes
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Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Δ Yield refers to change in semiannual yield for the month in percent. Δ Spread refers to change in semiannual spread to benchmark curve for the month in bps. Δ Duration refers to change in semiannual modified duration for the month. 2023Δ Yield refers to change in semiannual yield for the year in percent. 2023Δ Spread refers to change in semiannual spread to benchmark curve for the year in the year in percent. 2023Δ Spread refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual spread to benchmark curve for the year in bps. 2023Δ Duration refers to change in semiannual modified duration for the year. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Investment grade and high yield U.S. dollar bonds from Chinese issuers outperformed the broad Asian USD investment grade and high yield markets in January by 0.44% and 1.04%, respectively.

Financials and Real Estate were the best-performing corporate sectors, gaining 1.24% and 4.76%, respectively, following the announcement from the People's Bank of China of a reduction in the reserve requirement ratio for all banks, which would free up banks' lending capacities and potentially spur spending in the broader economy. China's local government financing vehicles (LGFVs) also posted positive returns for the 15th month in a row—up 1.42% in January—bringing their three-year return to 9.77%.

Index	Index Level	∆ MTD (%)	∆ YTD (%)	∆ 3-Year (%)	Market Value (USD Billions)	Yield (%)	Spread (bps)	Duration (Years)	Number of Bonds
Mainland China	222.41	0.86	0.86	-10.55	427	5.97	182	2.90	788
Sovereigns	156.44	0.05	0.05	-4.66	14	4.17	9	4.72	13
Non-Sovereigns	222.66	0.89	0.89	-10.70	412	6.08	192	2.84	775
Sub-Sovereigns	201.38	0.33	0.33	-0.32	17	4.65	52	2.97	30
Corporates	226.10	0.91	0.91	-11.08	395	6.14	198	2.83	745
Financials	256.13	1.24	1.24	-18.44	219	7.62	343	1.78	456
Real Estate	141.19	4.76	4.76	-60.58	26	19.92	1575	1.92	80
Non-Financials	223.39	0.51	0.51	0.83	177	5.35	120	4.13	289
Investment Grade	218.30	0.53	0.53	-0.95	381	5.31	116	3.06	687
High Yield	201.05	3.74	3.74	-39.74	46	16.48	1224	1.56	101
LGFV	135.63	0.96	0.96	9.77	44	6.89	255	1.37	124
Investment Grade	129.95	0.88	0.88	5.88	38	6.51	219	1.40	106
High Yield	154.71	1.42	1.42	25.96	6	9.78	527	1.15	18

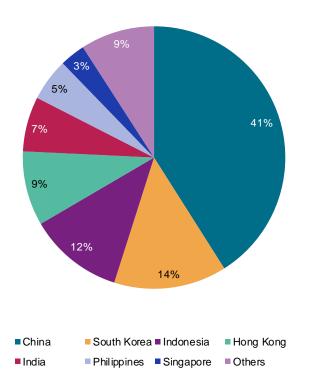
Exhibit 4: Performance of Mainland China and Its Subindices

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Yield refers to semiannual yield in percent. Spread refers to semiannual spread to benchmark curve in bps. Duration refers to semiannual modified duration. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

January Month-End Rebalance

This rebalance, the iBoxx USD Asia ex-Japan Index added 28 eligible bonds, with USD 15.8 billion of new notional. With an aggregate notional of more than USD 19.5 billion, 34 bonds were removed from the index this month.

Please refer to the Appendix for a breakdown of this month's insertions and deletions and a list of fallen angels and rising stars recognized in 2024.



Duration Changes	Jan. 31, 2024	Feb. 1, 2024
Overall	3.94	3.97
Cambodia	0.43	0.43
China	2.90	2.92
Hong Kong	4.21	4.23
India	3.46	3.47
Indonesia	7.04	7.13
Macao	2.93	2.93
Malaysia	6.94	6.98
Mongolia	3.58	3.58
Pakistan	3.13	3.14
Papua New Guinea	3.64	3.64
Philippines	5.99	6.00
Singapore	4.40	4.43
South Korea	2.84	2.91
Sri Lanka	-	-
Taiwan	5.76	5.80
Thailand	5.80	5.85
Vietnam	1.39	1.39

Exhibit 5: Market Breakdown and Duration Changes of Overall Index Post Rebalance

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024, for the chart (left) and Feb. 1, 2024, for the table (right). Index performance based on total return in USD. Duration refers to semiannual modified duration. Past performance is no guarantee of future results. Chart and table are provided for illustrative purposes.

Post-rebalance, the overall index duration increased slightly by 0.03 years. Indonesia and South Korea lengthened the most, by 0.09 and 0.07 years, respectively, after multiple new issuances from the Indonesian government and South Korean corporates joined the index. As of Jan. 31, 2024, China, South Korea and Indonesia remained the top three USD bond markets in the index by market value, each holding a weight greater than 10%.

Appendix

Exhibit 6: Key Analytics of Overall Index and Credit Rating and Maturity Subindices

Index	Index Level	∆ MTD (%)	Market Value (USD Billions)	Yield (%)	Spread (bps)	Duration (Years)	Number of Bonds
Overall	214.66	0.41	1040	5.68	156	3.94	1791
Credit Ratin	g						
AAA	188.24	-0.05	11	4.35	21	8.16	17
AA	188.12	0.21	123	4.66	58	3.88	207
А	208.24	0.30	325	5.07	95	4.04	553
BBB	230.64	-0.08	451	5.52	139	4.32	751
BB	252.77	1.58	84	9.24	509	1.97	154
В	182.67	2.55	31	11.01	696	2.24	67
CCC	65.80	8.53	11	29.19	2508	2.23	35
Maturity							
Year 0-1	170.78	0.87	168	10.84	600	0.47	346
Year 1-3	184.48	1.02	368	6.61	234	1.74	674
Year 3-5	216.23	0.55	189	5.61	167	3.37	304
Year 5-7	235.55	0.60	106	5.33	142	5.17	173
Year 7-10	234.46	0.05	80	5.22	128	6.65	122
Year 10+	268.59	-2.07	128	5.36	113	12.95	172

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Yield refers to semiannual yield in percent. Spread refers to semiannual spread to benchmark curve in bps. Duration refers to semiannual modified duration. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Issue	Market	iBoxx Rating	Notional (USD Millions)
BOCAVI 5% 2029-01-17	CN	A	500
CICCHK 5.01% 2027-01-18	CN	BBB	500
DAESEC 6% 2029-01-26	KR	BBB	300
DAESEC 5.88% 2027-01-26	KR	BBB	300
EIBKOR 4.63% 2027-01-11	KR	AA	800
EIBKOR 4.5% 2029-01-11	KR	AA	800
EIBKOR 4.63% 2034-01-11	KR	AA	400
HNFARM 6.2% 2027-01-29	CN	BBB	300
HYNMTR 5.25% 2027-01-08	KR	BBB	1,000
HYNMTR 5.3% 2029-01-08	KR	BBB	700
HYNMTR 5.4% 2031-01-08	KR	BBB	500
HYUELE 5.5% 2027-01-16	KR	BBB	500
HYUELE 5.5% 2029-01-16	KR	BBB	1,000
INDON 4.4% 2029-03-10	ID	BBB	500
INDON 4.7% 2034-02-10	ID	BBB	650
INDON 5.1% 2054-02-10	ID	BBB	900
KORELE 4.88% 2027-01-31	KR	AA	1,200
POHANG 4.88% 2027-01-23	KR	BBB	500
RCBPM 5.5% 2029-01-18	PH	BBB	400
SAMTOT 5.5% 2029-07-18	KR	BBB	400
SATSSP 4.83% 2029-01-23	SG	А	500
SBIIN 5% 2029-01-17	IN	BBB	600
SHFLIN 6.63% 2027-04-22	IN	BB	750
SKINNV 4.88% 2027-01-23	KR	AA	500
SYSTIO 5.6% 2027-01-30	CN	BBB	300
WOORIB 4.75% 2027-01-24	KR	А	300
WOORIB 4.75% 2029-01-24	KR	A	400
ZJXCID 6% 2027-01-11	CN	AA*	300

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Unrated bonds with ratings based on iBoxx implied credit rating methodology are denoted with (*) in the Rating column. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Exhibit 8: iBoxx USD Asia ex-Japan Overall Ind
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Issue	Market	iBoxx Rating	Notional (USD Millions)
ACNRGY 4.75% 2024-01-29	PH	BB*	360
AGRBK 0.85% 2024-01-19	CN	А	650
BCHINA 0.88% 2024-01-14	CN	A	500
BCLMHK 4.38% 2024-01-22	CN	A	700
BOCAVI 4% 2024-01-25	CN	A	500
CCAMCL 1.25% 2024-01-20	CN	A	500
CICCHK 1.63% 2024-01-26	CN	BBB	1,000
CIMWLB 6.5%	НК	BB	400
CNDATA 10.5% 2026-02-23	CN	BBB	300
CZONCC 3% 2024-01-19	CN	BBB	300
EIBKOR 4% 2024-01-14	KR	AA	750
FAEACO 5.1% 2024-01-21	НК	BB*	385
HKLSP 4.63% 2024-01-16	НК	A	400
HLBCNH 8% 2024-11-07	CN	B*	315
HYNMTR 0.8% 2024-01-08	KR	BBB	1,200
HYUELE 1% 2024-01-19	KR	BBB	500
ICBCIL 3.63% 2027-11-15	CN	A	250
INDON 5.88% 2024-01-15	ID	BBB	1,676
INGREN 5.38% 2024-04-29	IN	BB	325
IOCLIN 4.75% 2024-01-16	IN	BBB	587
KDB 3.75% 2024-01-22	KR	AA	750
KEBHNB 3.5% 2024-01-30	KR	A	300
KOROIL 4% 2024-01-23	KR	AA	500
NWSZF 5.75%	НК	BBB*	1,019
PHILIP 4.2% 2024-01-21	PH	BBB	1,500
ROADKG 5.9% 2025-03-05	CN	CCC	252
ROADKG 6% 2025-09-04	CN	CCC	339
SAMTOT 3.88% 2024-01-23	KR	BBB	400
SBIIN 4.38% 2024-01-24	IN	BBB	850
SDBC 0.63% 2024-01-12	CN	A	750
SHANPU 1% 2024-01-19	CN	BBB	300
SHCMBK 5% 2029-01-17	НК	BBB	300
SKENER 1.63% 2024-01-26	KR	BBB	300
SUHYUP 3.63% 2024-01-29	KR	А	300

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Unrated bonds with ratings that are based on iBoxx implied credit rating methodology are denoted with (*) in the Rating column. Bonds that were either called, exchanged, redeemed or repurchased (either partially or as a whole) are denoted with (^) in the Issue column. Bonds that were traded flat of accrued interest or are givein a rating of D by rating agencies are denoted with ([†]) in the Issue column. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Rebalance	Issue	Market	Past iBoxx Rating	Current iBoxx Rating
Jan. 31, 2024	CNBG 3.1%	CN	BBB	BB
Jan. 31, 2024	HRINTH 4.75% 2027-04-27	CN	BBB	BB
Jan. 31, 2024	HRINTH 4.25% 2027-11-07	CN	BBB	BB
Jan. 31, 2024	HRINTH 4.95% 2047-11-07	CN	BBB	BB
Jan. 31, 2024	HRINTH 3.75% 2024-05-29	CN	BBB	BB
Jan. 31, 2024	HRINTH 4.5% 2029-05-29	CN	BBB	BB
Jan. 31, 2024	HRINTH 3.25% 2024-11-13	CN	BBB	BB
Jan. 31, 2024	HRINTH 3.375% 2030-02-24	CN	BBB	BB
Jan. 31, 2024	LYURBN 7.4% 2026-08-17	CN	BBB	BB
Jan. 31, 2024	SHDOIS 4.8% 2024-07-28	CN	BBB*	BB*

Exhibit 9a: Fallen Angels in the iBoxx USD Asia ex-Japan Overall Index in 2023

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Unrated bonds with ratings based on iBoxx implied credit rating methodology are denoted with (*) in the Rating column. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

Exhibit 9b: Bonds Excluded from the iBoxx USD Asia ex-Japan Overall Index Due to U.S. Executive Order 13959

Rebalance	Issuer	Market	ISIN	Notional (USD Millions)
Jan. 31, 2021	Semiconductor Manufacturing International Corp	CN	XS2101828452	600
July 31, 2021	Proven Glory Capital Ltd	CN	XS1567423766	500
July 31, 2021	Proven Honour Capital Limited	CN	XS1233275194	1,000
July 31, 2021	Proven Honour Capital Limited	CN	XS1401816761	2,000

Source: S&P Dow Jones Indices LLC. Data as of Jan. 31, 2024. Index performance based on total return in USD. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

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