

## Thomson Reuters

# TRI's Investor Day will focus on the "how" not the "what"

Maintain Rating: BUY | PO: 180.00 USD | Price: 157.48 USD

## The four things we are focused on at the Investor Day

TRI is hosting an Investor Day on 3/12 in New York. We expect investors' confidence in its strategy to determine the stock price reaction, because management already outlined its 2025-26 financial targets (below) on its 4Q23 call. We're most interested in: 1) its GenAl product roadmap; 2) the drivers of its accelerating Big 3 segments' (Legal, Tax & Accounting, Corporate) sales growth; 3) how it plans to balance investments in growth and margin expansion; and 4) its capital allocation priorities. We maintain our Buy rating.

#### Mid-term financial outlook old news

On its 4Q call, TRI guided to 6.5-8.0% 2025 and 2026 organic sales growth. This includes an acceleration in Big 3 organic sales growth from 7% in 2022 and 2023 to 8-9% in 2025 and 2026. It's also targeting 75bp and 50bp+ of 2025 and 2026 margin expansion, respectively, and \$2.0-2.1bn of 2026 free cash flow.

#### We're most excited for TRI's GenAl product roadmap

TRI is the first Info Services company to monetize GenAl and we are eager for more details on its product roadmap. TRI plans to integrate GenAl tech across its portfolio, but is currently focused on Legal. It's invested both organically and via M&A (CoCounsel), and plans to spend \$100mn+ annually on GenAl. TRI has integrated GenAl into Westlaw Precision, enabling it to take an additional price increase. It's also launched CoCounsel Core, a bundle of legal workflow tools delivered via an Al assistant, in the US, Australia, and Canada, and partnered with Microsoft Copilot to develop a legal drafting solution.

## Will be gauging possibility for free cash flow upside

Our main gripe is that TRI's targeted free cash flow growth isn't as robust as we hoped. We're interested in seeing where TRI may have opportunity for upside to its 2026 target, which implies only ~10% cumulative growth from 2023 levels. Still, TRI has significant cash for M&A and capital returns, including ~\$1bn of cash (net of 1Q24's Pagero deal), \$1.8bn+ of annual FCF, and \$1.7bn of London Stock Exchange shares (a portion it's selling this week). TRI has deployed \$2.1bn on M&A since 2023, and we think strong growth across these assets will contribute to organic sales acceleration. We expect M&A to remain a priority and new deals to be incremental to its organic sales targets.

Estimates (Dec) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	2.62	3.50	3.60	3.98	4.40
GAAP EPS	2.87	5.70	3.22	3.60	4.03
EPS Change (YoY)	29.7%	33.6%	2.9%	10.6%	10.6%
DPS	1.78	1.96	2.16	2.31	2.46
EPS (YTRI - C\$)	3.41	4.72	4.89	5.40	5.97
DPS (YTRI - C\$)	2.32	2.64	2.93	3.13	3.34
Valuation (Dec)					
P/E	60.1x	45.0x	43.7x	39.6x	35.8x
GAAP P/E	54.9x	27.6x	48.9x	43.7x	39.1x
Dividend Yield	1.1%	1.2%	1.4%	1.5%	1.6%
EV / EBITDA*	32.3x	28.1x	27.0x	24.7x	22.7x
Free Cash Flow Yield*	1.9%	2.5%	2.5%	2.6%	2.9%
* For full definitions of <i>IQ</i> method <sup>≤M</sup> measures, see page 4.					

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 5 to 8. Analyst Certification on page 3. Price
Objective Basis/Risk on page 3.

Timestamp: 07 March 2024 12:30AM EST

#### 07 March 2024

#### Equity

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#### **Stock Data**

ESGMeter™

Price (NYS / TOR) 157.48 USD / 212.75 CAD Price Objective 180.00 USD / 243.00 CAD Date Established 8-Feb-2024 / 8-Feb-2024 Investment Opinion A-1-7 / A-1-7 117.46 USD - 161.58 USD 52-Week Range Market Value (mn) 71,681 USD Free Float 30.7% Average Daily Value 49.07 USD Shares Outstanding (mn) 455.2 / 455.2 BofA Ticker / Exchange TRL/ NYS BofA Ticker / Exchange YTRI / TOR Bloomberg / Reuters TRI US / TRI.N ROE (2024E) 15.8% 17.9% Net Dbt to Egty (Dec-2023A)

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

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## **iQ**profile<sup>™</sup> Thomson Reuters

<i>iQ</i> method <sup>SM</sup> − Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Return on Capital Employed	9.0%	11.3%	11.2%	13.0%	14.4%
Return on Equity	9.8%	14.1%	15.8%	19.1%	21.3%
Operating Margin	27.7%	34.3%	26.9%	27.8%	29.0%
Free Cash Flow	1,387	1,783	1,777	1,881	2,046
<i>iQ</i> method <sup>™</sup> – <b>Quality of Earnings*</b>					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Cash Realization Ratio	1.6x	1.4x	1.5x	1.4x	1.43
Asset Replacement Ratio	4.3x	4.7x	4.7x	4.1x	4.2
Tax Rate	12.4%	21.0%	19.0%	21.0%	22.0%
Net Debt-to-Equity Ratio	30.9%	17.9%	21.1%	25.7%	20.09
Interest Cover	9.4x	15.3x	13.0x	14.7x	14.8
Income Statement Data (Dec)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Sales	6,627	6,794	7,247	7,753	8,335
% Change	4.4%	2.5%	6.7%	7.0%	7.5%
Gross Profit	2,347	2,660	2,788	3,043	3,315
% Change	18.7%	13.3%	4.8%	9.2%	8.9%
EBITDA	2,329	2,678	2,788	3,043	3,315
% Change	18.2%	15.0%	4.1%	9.2%	8.99
Net Interest & Other Income	248	(344)	(150)	(147)	(163
Net Income (Adjusted) % Change	1,269 27.2%	1,624 28.0%	1,629 0.3%	1,756 7.8%	1,920 9.4%
Free Cash Flow Data (Dec)					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026
Net Income from Cont Operations (GAAP)	1,380	1,885	968	1,019	1,098
Depreciation & Amortization	724	725	835	885	900
Change in Working Capital	8	457	73	(4)	13
Deferred Taxation Charge	(144)	(388)	44	32	2
Other Adjustments, Net	14	(352)	492	570	658
Capital Expenditure	(595)	(544)	(635)	(620)	(650
Free Cash Flow	1,387	1,783	1,777	1,881	2,040
% Change					
	2.4%	28.6%	-0.3%	5.9%	8.8%
Share / Issue Repurchase	(1,282)	(1,079)	(1,039)	(1,750)	<b>8.8%</b> (500
Share / Issue Repurchase Cost of Dividends Paid	(1,282) (837)	(1,079) (892)	(1,039) (980)	(1,750) (1,021)	<b>8.8%</b> (500 (1,078
Share / Issue Repurchase	(1,282)	(1,079)	(1,039)	(1,750)	<b>8.8%</b> (500 (1,078
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec)	(1,282) (837) 993	(1,079) (892) (1,599)	(1,039) (980) (157)	(1,750) (1,021) 0	<b>8.8%</b> (500 (1,078
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions)	(1,282) (837) 993 <b>2022A</b>	(1,079) (892) (1,599) <b>2023A</b>	(1,039) (980) (157) <b>2024E</b>	(1,750) (1,021) 0	8.8% (500 (1,078 (
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents	(1,282) (837) 993 <b>2022A</b> 1,069	(1,079) (892) (1,599) <b>2023A</b> 1,298	(1,039) (980) (157) <b>2024E</b> 1,115	(1,750) (1,021) 0 <b>2025E</b> 833	8.8% (500 (1,078 ( 2026
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables	(1,282) (837) 993 <b>2022A</b> 1,069 1,069	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122	(1,039) (980) (157) <b>2024E</b> 1,115 1,167	(1,750) (1,021) 0 <b>2025E</b> 833 1,280	8.8% (500 (1,078 ( 2026 1,301 1,405
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594	8.8% (500 (1,078 ( 2026 1,301 1,405 657
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413	8.8% (500) (1,078) ( 2026) 1,301 1,405 657 1,261
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656	8.8% (500 (1,078 ( 2026 1,301 1,405 657 1,261
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b>	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b>	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b>	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b>	8.8% (500 (1,078 ( 2026 1,30° 1,40! 65; 1,26° 12,55; 17,18°
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b>	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b> 372	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b> 372	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b> 372	8.8% (500 (1,078 ( 2026 1,30° 1,409 657 1,26° 12,557 17,18°
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b> 1,647 3,244	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b> 372 2,861	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b> 372 3,001	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b> 372 3,147	8.8% (500 (1,078 (1,078 2026 1,30 1,40! 65: 1,26 12,55: 17,18 37: 3,31(
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b> 1,647 3,244 3,114	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b> 372 2,861 2,905	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b> 372 3,001 2,748	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b> 372 3,147 2,748	8.8% (500 (1,078 ( 2026 1,30° 1,40! 65; 12,55; 17,18° 3,718 2,748
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b> 1,647 3,244 3,114 1,757	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b> 372 2,861 2,905 1,482	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b> 372 3,001 2,748 1,532	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b> 372 3,147 2,748 1,591	8.8% (500 (1,078 ( 2026 1,301 1,405 12,557 17,181 372 3,316 2,748 1,650
Share / Issue Repurchase Cost of Dividends Paid Change in Debt  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	(1,282) (837) 993 <b>2022A</b> 1,069 1,069 673 1,336 17,564 <b>21,711</b> 1,647 3,244 3,114	(1,079) (892) (1,599) <b>2023A</b> 1,298 1,122 501 1,683 14,080 <b>18,684</b> 372 2,861 2,905	(1,039) (980) (157) <b>2024E</b> 1,115 1,167 530 1,579 12,754 <b>17,145</b> 372 3,001 2,748	(1,750) (1,021) 0 <b>2025E</b> 833 1,280 594 1,413 12,656 <b>16,775</b> 372 3,147 2,748	8.8% (500) (1,078) (1,078) (2026) 1,301 1,405 657 1,261 12,557 17,181 372 3,316 2,748 1,650 8,086 9,095

#### **Company Sector**

**Business Services** 

#### **Company Description**

Thomson Reuters is a leading information services provider focused on the legal, tax & accounting, and regulatory end markets. Its deep domain expertise, proprietary data and software and analytics tools are used by roughly 500,000 clients, with roughly 80% recurring revenue. Major brands include Westlaw, Checkpoint, and Reuters News.

#### **Investment Rationale**

We are bullish on Thomson Reuters, which we see as an attractively priced defensive compounder. It is a cleaner story following the Refinitiv sale, has strong positions in attractive/growing markets, and is over-capitalized. The "Change Program" calls for accelerating organic revenue growth and meaningfully higher margins by 2023. We see robust EPS/FCF growth in 2023 and beyond, and believe valuation expansion is likely as TRI proves out its ability to deliver. Buy.

#### **Stock Data**

Average Daily Volume	311,591
Shares / Common - Dual Listed	1.00

#### **Quarterly Earnings Estimates**

	2023	2024
Q1	0.84A	0.98E
Q2	0.87A	0.86E
Q3	0.82A	0.81E
04	0.98A	0.95F

\* For full definitions of  $\emph{iQ}$  method  $^{\text{SM}}$  measures, see page 4.

## Price objective basis & risk

#### Thomson Reuters (TRI / YTRI)

Our \$180 price objective (C\$243) is based on 41x CY25E P/FCF (vs. 37.5x CY24E P/FCF prior). This reflects greater confidence in the durability of TRI's sales growth and a premium to peers at 24x. We think a premium is warranted given our view of TRI's resilient business model and margin expansion potential from its Change Program.

Downside risks: 1) failure to deliver revenue acceleration or margin targets associated with the "Change Program" could hurt valuation, 2) drag from Global Print and Reuters News accelerates, and 3) risks associated with Woodbridge's controlling stake. Upside risks: 1) successful execution of go-to-market strategies could accelerate revenue growth, 2) tuck-in M&A and/or share buybacks could boost earnings, and 3) rising value in TRI's LSEG stake.

## **Analyst Certification**

I, Heather Balsky, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

**US - Business, Education & Professional Services Coverage Cluster** 

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Alight Inc	ALIT	ALIT US	Heather Balsky
	APi Group	APG	APG US	Heather Balsky
	Aramark	ARMK	ARMK US	Heather Balsky
	Cintas	CTAS	CTAS US	Heather Balsky
	CoStar Group	CSGP	CSGP US	Heather Balsky
	Driven Brands	DRVN	DRVN US	Robert F. Ohmes, CFA
	Dun & Bradstreet Holdings, Inc.	DNB	DNB US	Heather Balsky
	Equifax	EFX	EFX US	Heather Balsky
	Gartner	IT	IT US	Heather Balsky
	Moody's Corp.	MCO	MCO US	Heather Balsky
	Petco	WOOF	WOOF US	Kendall Toscano
	Rollins Inc.	ROL	ROL US	Heather Balsky
	S&P Global	SPGI	SPGI US	Heather Balsky
	Strategic Education	STRA	STRA US	Heather Balsky
	Thomson Reuters	YTRI	TRI CN	Heather Balsky
	Thomson Reuters	TRI	TRI US	Heather Balsky
NEUTRAL				
	AutoZone Inc.	AZO	AZO US	Robert F. Ohmes, CFA
	FactSet Research Systems Inc	FDS	FDS US	Heather Balsky
	First Advantage Corporation	FA	FA US	Heather Balsky
	Verisk Analytics	VRSK	VRSK US	Heather Balsky
UNDERPERFORM	·			
	ASGN Inc.	ASGN	ASGN US	Heather Balsky
	Clarivate PLC	CLVT	CLVT US	Heather Balsky
	ManpowerGroup	MAN	MAN US	Heather Balsky
	MSCI Inc	MSCI	MSCLUS	Heather Balsky
	Robert Half	RHI	RHIUS	Heather Balsky
	TransUnion	TRU	TRU US	Heather Balsky
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## *IQ*method<sup>™</sup> Measures Definitions

<b>Business Performance</b>	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) $\times$ (1 $-$ Tax Rate) + Goodwill Amortization	Total Assets — Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations — Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt — Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations — Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales
	Other LT Liabilities	

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

\*\*Menethod 3\*\*\*is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

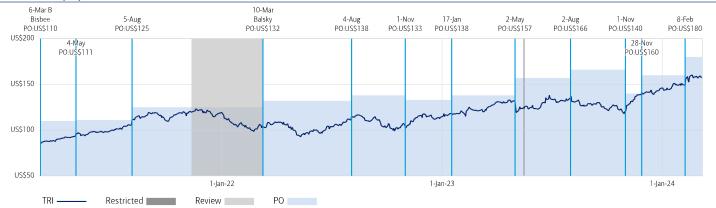
\*\*Redatabase\*\* is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

**IQ**profile<sup>≤M</sup>, **IQ**method<sup>≤M</sup> are service marks of Bank of America Corporation. **IQ**database® is a registered service mark of Bank of America Corporation.

## **Disclosures**

## **Important Disclosures**

#### **Thomson Reuters (TRI) Price Chart**



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### **Thomson Reuters (YTRI) Price Chart**



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### Equity Investment Rating Distribution: Business Services Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	26	55.32%	Buy	17	65.38%
Hold	8	17.02%	Hold	3	37.50%
Sell	13	27.66%	Sell	11	84.62%

#### Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.



FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

# Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R2</sup>

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

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