Price Objective Change

UNDERPERFORM

Equity | India | Telecom Services-Wireline 29 May 2009



RESEARCH

Reena Verma Bhasin, CFA >> +91 22 6632 8667 Research Analyst DSP Merrill Lynch (India) reena_verma@ml.com

Funding concerns drag outlook

Stronger-than-expected cost savings lifts consol. earnings

Tata Communication's consolidated FY09 performance was better-than-our expectations due to stronger than expected cost savings, esp. in network costs during 4Q FY09. At its analyst meeting post results, the Co indicated that network costs will be in the range of ~50-55% going forward vs 57% in FY09. Factoring this, we have lifted consolidated FY10E EBITDA by ~18% and lifted PO by 11% to Rs450/sh implying an EV/EBITDA valuation of ~6xFY10E for the core business.

Funding issues are a concern given upcoming BWA auctions

We estimate TCom's consolidated FY09 net debt/EBITDA at ~3.1x and expect FY10E capex of ~US\$600mn to keep the balance sheet stretched. Given high likelihood of wireless-broadband (BWA) auctions in CY2009 and TCom's likely participation, we are worried about pot'l equity dilution and/or further debt burden.

Co's 2012 goals appear aggressive

TCom is aiming for at least 15% CAGR in revenues and at least 20% EBITDA margin by FY2012. Our impression is that these goals are aggressive. In FY09, TCom's consolidated revenue grew 20% YoY in rupee terms, aided partly by ~16% YoY depreciation of the rupee. EBITDA margin in FY09 was ~13.5%

Maintain Underperform on unattractive valuations

The stock appears to be trading close to its theoretical fair value at ~6x FY10E-EV/EBITDA after adjusting ~Rs344/sh for the value of non-core assets including real estate and the remaining Tata Tele stake. Risk of potential equity dilution and low earnings visibility drives our Underperform rating.

Estimates (Mar)

| (Rs) | 2008A | 2009A | 2010E | 2011E | 2012E |
|-----------------------------|---------|---------|-------|-------|-------|
| Net Income (Adjusted - mn) | 3,156 | 2,649 | 3,252 | 3,834 | 4,684 |
| EPS | 11.07 | 9.29 | 11.41 | 13.45 | 16.44 |
| EPS Change (YoY) | -30.6% | -16.1% | 22.8% | 17.9% | 22.2% |
| Dividend / Share | 4.50 | 4.50 | 4.50 | 4.50 | 6.48 |
| Free Cash Flow / Share | (20.12) | (11.83) | 14.73 | 27.78 | 32.99 |
| ADR EPS (US\$) | 0.550 | 0.404 | 0.479 | 0.565 | 0.690 |
| ADR Dividend / Share (US\$) | 0.223 | 0.196 | 0.189 | 0.189 | 0.272 |
| | | | | | |

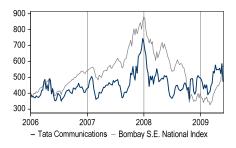
Valuation (Mar)

* For full definitions of iOmethod sm measures, see page 7

| | 2008A | 2009A | 2010E | 2011E | 2012E |
|-----------------------|--------|--------|--------|--------|--------|
| P/E | 42.66x | 50.84x | 41.40x | 35.12x | 28.75x |
| Dividend Yield | 0.952% | 0.952% | 0.952% | 0.952% | 1.37% |
| EV / EBITDA* | 19.72x | 14.50x | 12.72x | 11.51x | 10.46x |
| Free Cash Flow Yield* | -4.26% | -2.50% | 3.12% | 5.88% | 6.98% |

Stock Data

| Price (Common / ADR) | Rs472.45 / US\$19.32 |
|-----------------------------|------------------------|
| Price Objective | Rs405.00 to Rs450.00/ |
| | US\$17.00 to US\$19.00 |
| Date Established | 29-May-2009 / 29-May- |
| | 2009 |
| Investment Opinion | C-3-8 / C-3-8 |
| Volatility Risk | HIGH / HIGH |
| 52-Week Range | Rs320.00-Rs660.00 |
| Market Value (mn) | US\$2,828 |
| Shares Outstanding (mn) | 285.0 / 142.5 |
| Average Daily Volume | 352,552 |
| ML Symbol / Exchange | VSLSF / BSE |
| ML Symbol / Exchange | TCL/NYS |
| Bloomberg / Reuters | TCOM IN / TATA.BO |
| ROE (2010E) | 4.6% |
| Net Dbt to Eqty (Mar-2009A) | -3.4% |
| Est. 5-Yr EPS / DPS Growth | 10.0% / 10.0% |
| Free Float | 15.0% |



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$\emph{iQ}\textit{profile}^{\text{\tiny SM}}$ Tata Communications Ltd.

| Key Income Statement Data (Mar) | 2008A | 2009A | 2010E | 2011E | 2012E |
|---|------------------|------------------|------------------|------------------|-------------------|
| (Rs Millions) | 2000/1 | 2007/1 | 20101 | ZOTIL | ZUIZL |
| Sales | 32,833 | 37,494 | 41,387 | 45,216 | 49,501 |
| Gross Profit | 32,033 | 4,182 | 4,480 | 5,144 | 6,074 |
| Sell General & Admin Expense | NA | 4,102 NA | NA | NA | NA |
| Operating Profit | 3,187 | 4,182 | 4,480 | 5,144 | 6,074 |
| Net Interest & Other Income | 1,424 | 442 | 406 | 616 | 963 |
| Associates | NA | NA | NA | NA | NA |
| Pretax Income | 4,611 | 4,624 | 4,886 | 5,760 | 7,037 |
| Tax (expense) / Benefit | (1,455) | (1,975) | (1,634) | (1,926) | (2,353) |
| Net Income (Adjusted) | 3,156 | 2,649 | 3,252 | 3,834 | 4,684 |
| Average Fully Diluted Shares Outstanding | 285 | 285 | 285 | 285 | 285 |
| Key Cash Flow Statement Data | | | | | |
| Net Income | 3,045 | 5,160 | 3,252 | 3,834 | 4,684 |
| Depreciation & Amortization | 3,013 | 4,253 | 5,134 | 5,478 | 5,611 |
| Change in Working Capital | (2,715) | 1,668 | 1,393 | 1,371 | 1,534 |
| Deferred Taxation Charge | 0 | 0 | 0 | 0 | 0 |
| Other Adjustments, Net | 112 | (2,511) | 0 | 0 | 0 |
| Cash Flow from Operations | 3,454 | 8,570 | 9,780 | 10,683 | 11,829 |
| Capital Expenditure | (9,189) | (11,940) | (5,581) | (2,766) | (2,427) |
| (Acquisition) / Disposal of Investments | 0 | (409) | (1,208) | (1,232) | (1,257) |
| Other Cash Inflow / (Outflow) | (112) | 2,511 | 0 | 0 | 0 |
| Cash Flow from Investing | (9,301) | (9,838) | (6,790) | (3,999) | (3,684) |
| Shares Issue / (Repurchase) | 0 | 0 | 0 | 0 | 0 |
| Cost of Dividends Paid | (1,443) | (1,443) | (1,443) | (1,443) | (2,078) |
| Cash Flow from Financing | (1,443) | (1,443) | (1,443) | (1,443) | (2,078) |
| Free Cash Flow | (5,735) | (3,370) | 4,198 | 7,916 | 9,402 |
| Net Debt | (5,083) | (2,372) | (3,920) | (9,161) | (15,228) |
| Change in Net Debt | 7,289 | 2,711 | (1,547) | (5,241) | (6,067) |
| Key Balance Sheet Data | | | | | |
| Property, Plant & Equipment | 44,742 | 52,429 | 52,877 | 50,165 | 46,980 |
| Other Non-Current Assets | 14,755 | 15,163 | 16,372 | 17,604 | 18,861 |
| Trade Receivables | 6,053 | 6,912 | 7,630 | 8,336 | 9,126 |
| Cash & Equivalents | 5,083 | 2,372 | 3,920 | 9,161 | 15,228 |
| Other Current Assets | 13,538 | 13,541 | 13,543 | 13,545 | 13,548 |
| Total Assets | 84,170 | 90,417 | 94,341 | 98,811 | 103,743 |
| Long-Term Debt | 0 | 0 | 0 | 0 | 0 |
| Other Non-Current Liabilities | 835 | 835 | 835 | 835 | 835 |
| Short-Term Debt | 17.024 | 0 | 0 | 0 | 0 27 072 |
| Other Current Liabilities | 17,824 | 20,354 | 22,468 | 24,547 | 26,873 |
| Total Liabilities | 18,659 | 21,189 | 23,303 | 25,381 | 27,707 |
| Total Equity Total Equity & Liabilities | 65,511 84,170 | 69,228 90,417 | 71,037 94,340 | 73,429 98,810 | 76,034 103,742 |
| <i>iQmethod</i> [™] - Bus Performance* | 04,170 | 70,417 | 74,540 | 70,010 | 103,742 |
| | 2.70/ | 2.00/ | 4 4 0/ | E 20/ | / 20/ |
| Return On Capital Employed | 3.7% | 3.9% | 4.6% | 5.3% | 6.2% |
| Return On Equity | 4.9% | 3.9% 11.2% | 4.6% | 5.3% | 6.3% |
| Operating Margin EBITDA Margin | 9.7% 18.9% | 22.5% | 10.8% 23.2% | 11.4% 23.5% | 12.3% 23.6% |
| <i>iQmethod</i> [™] - Quality of Earnings* | 10.770 | 22.370 | 23.270 | 23.370 | 23.070 |
| | 1 10 | 2 20 | 2.04 | 2.00 | 2 F |
| Cash Realization Ratio Asset Replacement Ratio | 1.1x | 3.2x | 3.0x | 2.8x 0.5x | 2.5x |
| • | 3.0x | 2.8x | 1.1x | | 0.4x |
| Tax Rate (Reported) Net Debt-to-Equity Ratio | 31.6% -7.8% | 42.7% -3.4% | 33.4% -5.5% | 33.4% -12.5% | 33.4% -20.0% |
| Interest Cover | -7.0% 5.1x | -3.4% 2.4x | -3.5% 2.6x | -12.5% 2.7x | -20.0% 2.7x |
| | J. 1A | ۷.٦٨ | 2.01 | 2.11 | 2.11 |
| Key Metrics | | | | | |

^{*} For full definitions of *iQmethod* SM measures, see page 7.

Company Description

Tata Communications (earlier called VSNL) is India's incumbent provider of international telephony services. It was privatized in 2002 and the Tata Group is the major shareholder. Recently (in FY06) TCom enhanced its overseas presence through the acquisition of Tyco global undersea network (TGN) and Teleglobe.

Investment Thesis

Our Underperform rating on TCom is driven by demanding valuations for its core telecom business. We are also concerned that the recent global slowdown may hurt the growth of TCom's enterprise data business that contributes nearly 40% of its consolidated revenues. Better-than-forecast valuation of TCom's investment in Tata Tele (wireless major) presents potential upside

Stock Data

| Shares / ADR | 2.00 |
|---------------------|------|
| Price to Book Value | 1.9x |

Table 1: 4Q FY09 results summary - standalone

| Yr to March (Rs mn) | 4Q FY08A | 3Q FY09A | 4Q FY09A | YoY chng | QoQ chng |
|---------------------------|----------|----------|----------|----------|----------|
| Net Turnover | 8555 | 9,902 | 8,869 | 4% | -10% |
| Network Costs | 4624 | 4,715 | 3,726 | -19% | -21% |
| % of revenue | 54% | 48% | 42% | | |
| Staff Costs | 652 | 834 | 979 | 50% | 17% |
| % of revenue | 8% | 8% | 11% | | |
| Other Operating Costs | 1,768 | 2,048 | 2,385 | 35% | 16% |
| % of revenue | 21% | 21% | 27% | | |
| Total Operating Costs | 7,045 | 7,597 | 7,090 | 1% | -7% |
| % of revenue | 82% | 77% | 80% | | |
| EBITDA | 1,511 | 2,305 | 1,780 | 18% | -23% |
| EBITDA margin (%) | 17.7% | 23.3% | 20.1% | | |
| Depreciation | 902 | 1084 | 1305 | 45% | 20% |
| Other Income | 345 | 325 | 397 | 15% | 22% |
| EBIT | 954 | 1,547 | 871 | -9% | -44% |
| Interest | 120 | 344 | 442 | 269% | 28% |
| Profit before tax | 834 | 1,202 | 429 | -49% | -64% |
| Taxes | 264 | 393 | 871 | 231% | 122% |
| Recurring Net Profit | 571 | 810 | -443 | na | na |
| Exceptional income/(exps) | -11 | 0 | 3467 | | |
| Reported Net Profit | 560 | 810 | 3024 | 440% | 274% |

Table 2: 4Q FY09 results summary - consolidated

| Yr to March (Rs mn) | 4Q08 (Implied) | 3Q09A | 4Q09 (implied) | YoY chng | QoQ chng |
|----------------------------|----------------|--------|----------------|----------|----------|
| Revenues | 21,708 | 26,135 | 25,939 | 19% | -1% |
| Network cost | 11,749 | 14,102 | 12,845 | 9% | -9% |
| % of revenue | 54% | 54% | 50% | | |
| Operating & other expenses | 5,452 | 5,232 | 5,305 | -3% | 1% |
| % of revenue | 25% | 20% | 20% | | |
| Salaries | 2,061 | 3,026 | 3,527 | 71% | 17% |
| % of revenue | 9% | 12% | 14% | | |
| Total Operating Costs | 19,262 | 22,360 | 21,677 | 13% | -3% |
| EBITDA | 2,447 | 3,775 | 4,262 | 74% | 13% |
| EBITDA margin | 11.3% | 14.4% | 16.4% | | |
| Depreciation | 2,071 | 2,776 | 3,628 | 75% | 31% |
| Other income | 719 | 565 | 233 | -68% | -59% |
| EBIT | 1,095 | 1,564 | 868 | -21% | -45% |
| Interest | 442 | 1,147 | 952 | 115% | -17% |
| PBT | 653 | 418 | (84) | na | na |
| Tax | 820 | 412 | 995 | 21% | 142% |
| Profit before minorities | (167) | 6 | (1,079) | 548% | na |
| Minority interest | 94 | 644 | 198 | 111% | -69% |
| Recurring net profit | (73) | 650 | (881) | na | na |
| Exceptional | (5) | | (3,621) | | |
| Reported net profit | (68) | 650 | 2,740 | na | 321% |

Source: Company

Source: Company

Table 3: Implied valuation of Tata Communications' core business

| VSNL's share price (Rs) | Bull case 468 | Bear case 468 | FY10E 468 |
|---|------------------|------------------|--------------|
| Embedded value of investments (Rs/sh of VSNL) | | | |
| Equity stake in Tata Teleservices | 140 | 100 | 120 |
| Surplus Real Estate (@ 20% discount to estimated value) | 188 | 104 | 177 |
| Submarine Cable Network | 63 | 32 | 48 |
| Total embedded value (Rs/sh) | 391 | 237 | 344 |
| Implied equity value of core business (Rs/sh) | 77 | 231 | 124 |
| Forecast FY10E net debt of the company (Rs/sh) | 204 | 204 | 204 |
| FY10E-consolidated EBITDA (Rs/sh) | 55 | 55 | 55 |
| Implied EV/EBITDA of core biz (x) | 5.1 | 7.9 | 5.9 |
| Source: Banc of America Securities-Merrill Lynch | | | |

Price objective basis & risk

Tata Communications Limited (VSLSF / TCL)

We have a price objective of Rs450 (ADR of US\$19) for Tata Communications. Our PO is based on sum-of-parts reflecting 1) TCom's core telecom business, 2) surplus real estate entitled to shareholders, 3) embedded value of TCom's stake in the wireless major - Tata Teleservices, and 4) asset value (at cost) of TCom's submarine cable network. We value the company's core telecom business at an implied EV/EBITDA of 6x FY10E versus the long-term trading range for wholesale carriers globally at 5-7x. Currently, there are few listed comparables of TCom as most of the large undersea cable providers are unlisted or bundled into last-mile providers. Greater visibility on the international operations of Tata Comm (not yet reported on a qtrly basis) could present upside to our PO, At this stage we do not have sufficient visibility to project long-term cashflows & use DCF. The risks to our price objective stem from: 1) sharper than expected slowdown in global bandwidth demand, 2) erosion of real estate upside due to poor visibility on monetisation, and 3) possible dilution of equity stake in Tata Teleservices.

Analyst Certification

I, Reena Verma Bhasin, CFA, 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.

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APR - Telecommunications Coverage Cluster

| Investment rating | Company | ML ticker | Bloomberg symbol | Analyst |
|-------------------|-----------------------------|-----------|------------------|-------------------------|
| BUY | | | | |
| | Advanced Info | XVDIF | ADVANC TB | Thitithep Nophaket |
| | Bharti | BHTIF | BHARTI IN | Reena Verma Bhasin, CFA |
| | China Unicom | CHUFF | 762 HK | Cynthia J.H. Meng |
| | China Unicom -A | CHU | CHU US | Cynthia J.H. Meng |
| | Chunghwa Telecom | CHT | CHT US | John Kim |
| | Chunghwa Telecom | CHWAF | 2412 TT | John Kim |
| | KT | KTCNF | 030200 KS | John Kim |
| | KT -A | KTC | KTC US | John Kim |
| | LG Dacom Corp | DCMPF | 015940 KS | John Kim |
| | LG TeleCom | LTCLF | 032640 KS | John Kim |
| | SingTel | SNGNF | ST SP | Reena Verma Bhasin, CFA |
| | StarHub | SRHBF | STH SP | Chen Hsung Khoo, CFA |
| | Total Access | TACJF | DTAC SP | Thitithep Nophaket |
| | Total Access Communication | TACPF | DTAC TB | Thitithep Nophaket |
| NEUTRAL | | | | |
| | China Mobile | CHLKF | 941 HK | Cynthia J.H. Meng |
| | China Mobile - A | CHL | CHL US | Cynthia J.H. Meng |
| | DiGi.com Bhd | DIGBF | DIGI MK | Reena Verma Bhasin, CFA |
| | Idea Cellular | IDEAF | IDEA IN | Reena Verma Bhasin, CFA |
| | MobileOne | MBOFF | M1 SP | Chen Hsung Khoo, CFA |
| | RCVL | RLCMF | RCOM IN | Reena Verma Bhasin, CFA |
| | Taiwan Mobile | TWMBF | 3045 TT | John Kim |
| | Telekom Malaysia | MYTEF | T MK | Reena Verma Bhasin, CFA |
| UNDERPERFORM | · · | | | |
| | China Telecom | CHA | CHA US | Cynthia J.H. Meng |
| | China Telecom-H | CHJHF | 728 HK | Cynthia J.H. Meng |
| | FarEasTone | FEOTF | 4904 TT | John Kim |
| | MTNL | MTE | MTE US | Reena Verma Bhasin, CFA |
| | MTNL | XMTNF | MTNL IN | Reena Verma Bhasin, CFA |
| | SK Broadband | HANTF | 033630 KS | John Kim |
| | SK Telecom | SKMTF | 017670 KS | John Kim |
| | SK Telecom- A | SKM | SKM US | John Kim |
| | Tata Communications Limited | TCL | TCL US | Reena Verma Bhasin, CFA |
| | Tata Communications Limited | VSLSF | TCOM IN | Reena Verma Bhasin, CFA |
| | Telkom | TLKMF | TLKM IJ | Reena Verma Bhasin, CFA |
| | Telkom - A | TLK | TLK US | Reena Verma Bhasin, CFA |
| | TRUE Corp | TCPJF | TRUE TB | Thitithep Nophaket |



iQmethod™ Measures Definitions

Business Performance Numerator Denominator

Return On Capital Employed NOPAT = (EBIT + Interest Income) * (1 - Tax Rate) + Goodwill Total Assets - Current Liabilities + ST Debt + Accumulated Goodwill

Interest Expense

Amortization Amortization Shareholder

Return On Equity Net Income Shareholders' Equity
Operating Margin Operating Profit Sales

 Operating Margin
 Operating Profit
 Sale

 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

 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, Less Cash & Equivalents
 Total Equity

Interest Cover EBIT

Valuation Toolkit

Price / Earnings Ratio Current Share Price Diluted Earnings Per Share (Basis As Specified)
Price / Book Value Current Share Price 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

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

iQmethod swis the set of Banc of America Securities-Merrill Lynch 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.

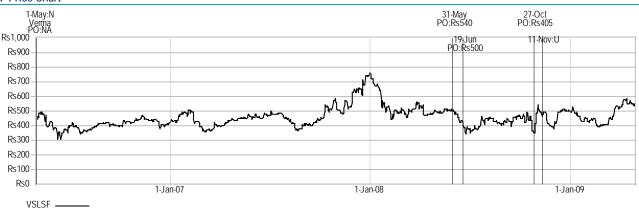
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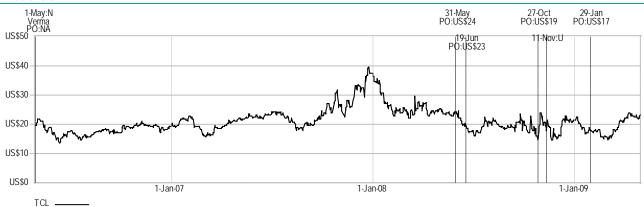
VSLSF Price Chart



 $B: Buy, \ N: Neutral, \ S: Sell, \ U: Underperform, \ PO: Price \ objective, \ NA: No \ longer \ valid$

"Prior to May 31, 2008, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2008, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of April 30, 2009 or such later date as indicated. BAS-ML price charts do not reflect analysts' coverage of the stock at prior firms. Historical price charts relating to companies covered as of April 30, 2009 by former Banc of America Securities LLC (BAS) analysts are available to BAS clients on the BAS website."

TCL Price Chart



 $B: Buy, \ N: Neutral, \ S: Sell, \ U: Underperform, PO: Price \ objective, \ NA: No \ longer \ valid$

"Prior to May 31, 2008, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2008, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of April 30, 2009 or such later date as indicated. BAS-ML price charts do not reflect analysts' coverage of the stock at prior firms. Historical price charts relating to companies covered as of April 30, 2009 by former Banc of America Securities LLC (BAS) analysts are available to BAS clients on the BAS website."

Investment Rating Distribution: Telecommunications Group (as of 01 Apr 2009)

| Coverage Universe | Count | Percent | Inv. Banking Relationships* | Count | Percent |
|--|--------------------------|-----------|-----------------------------|-------|---------|
| Buy | 85 | 45.70% | Buy | 29 | 42.03% |
| Neutral | 55 | 29.57% | Neutral | 25 | 56.82% |
| Sell | 46 | 24.73% | Sell | 15 | 39.47% |
| Investment Rating Distribution: G | Global Group (as of 01 A | Apr 2009) | | | |
| Coverage Universe | Count | Percent | Inv. Banking Relationships* | Count | Percent |
| Buy | 1243 | 38.21% | Buy | 520 | 46.39% |
| Neutral | 841 | 25.85% | Neutral | 349 | 47.04% |
| Sell | 1169 | 35.94% | Sell | 388 | 36.30% |

^{*} Companies in respect of which MLPF&S or an affiliate has received compensation for investment banking services within the past 12 months. For purposes of this distribution, 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 a stock's: (i) absolute total return potential and (ii) attractiveness for investment relative to other stocks within its *Coverage Cluster* (defined below). There are three investment ratings: 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 rémain 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. 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* ≥ 10% ≤ 70%

≥ 0% ≤ 30% Neutral N/A ≥ 20% Underperform

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