

Booz Allen Hamilton (BAH)

\$86.43 (As of 09/03/20)

Price Target (6-12 Months): **\$92.00**

Long Term: 6-12 Months

Zacks Recommendation:
Neutral

(Since: 05/04/20)

Prior Recommendation: Outperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:A

Value: C

Growth: A

Momentum: B

Summary

Booz Allen Hamilton is in the process of implementing Vision 2020 which is aimed at achieving sustainable long-term growth. The company is witnessing significantly higher backlog growth, shift in talent to more technical expertise, a strong performance in the global commercial market and disciplined acquisition. These initiatives might have impacted the company's share price, which has outperformed its industry in the past year. The company is also laboring hard in innovation areas like Machine Intelligence and Directed Energy, thereby ensuring business development over the long haul. However, Booz Allen Hamilton is seeing an escalation in capital expenditure as it has increased investments in facilities, systems, infrastructure and technology. High debt may weigh on its future expansion and worsen its risk profile. Seasonality is a concern.

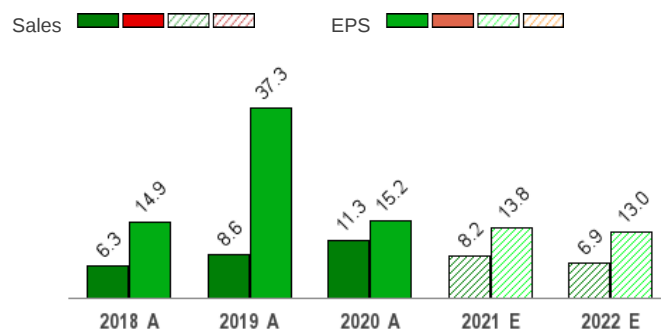
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$89.45 - \$54.37
20-Day Average Volume (Shares)	805,174
Market Cap	\$11.9 B
Year-To-Date Price Change	21.5%
Beta	0.81
Dividend / Dividend Yield	\$1.24 / 1.4%
Industry	Government Services
Zacks Industry Rank	Top 21% (53 out of 251)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	6.9%
Last Sales Surprise	-0.5%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	11/06/2020
Earnings ESP	-5.6%

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	2,128 E	2,098 E	2,132 E	2,269 E	8,633 E
2021	1,956 A	1,974 E	2,006 E	2,130 E	8,077 E
2020	1,825 A	1,820 A	1,849 A	1,970 A	7,464 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	\$1.05 E	\$0.97 E	\$0.98 E	\$1.08 E	\$4.09 E
2021	\$0.93 A	\$0.92 E	\$0.91 E	\$0.86 E	\$3.62 E
2020	\$0.83 A	\$0.81 A	\$0.80 A	\$0.73 A	\$3.18 A

*Quarterly figures may not add up to annual.

P/E TTM	26.4
P/E F1	23.9
PEG F1	1.6
P/S TTM	1.6

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 09/03/2020. The reports text is as of 09/04/2020.

Overview

McLean, VA-based Booz Allen Hamilton Holding Corporation is a provider of management and technology consulting, analytics, engineering, digital solutions, mission operations as well as cyber expertise to the United States and international governments, corporations plus not-for-profit organizations. The company operates as a single profit center with a single bonus pool for partners, vice presidents, principals and senior associates.

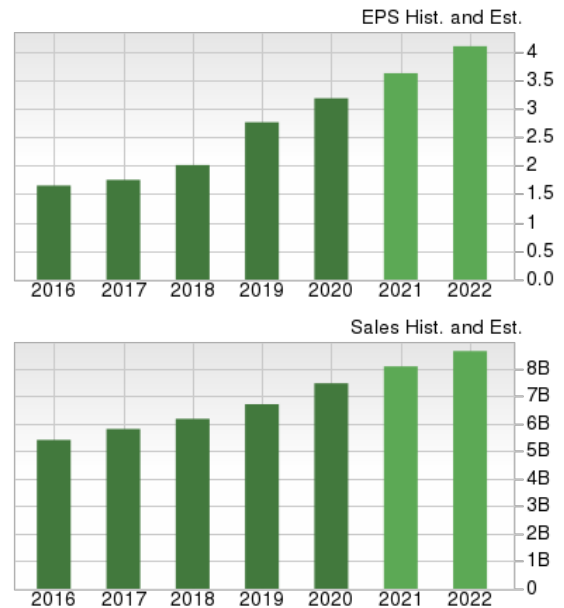
The company serves a diverse base of federal government clients, helping them to tackle complex challenges such as protecting soldiers in combat and supporting their families, keeping national infrastructure secure, advancing cyber capabilities, enabling and enhancing digital services, transforming the healthcare system, and improving governmental efficiency.

Booz Allen has commercial clients from across various industries including aerospace, health and life sciences, energy, financial services and transportation.

Booz Allen was founded by Edwin Booz, one of the pioneers of management consulting, in 1914. The company started serving the U.S. government by advising the Secretary of the Navy in preparation for World War II. With changing needs of clients in terms of both nature and complexity, the company expanded beyond management consulting foundation to develop deep expertise in the analytics, engineering, digital solutions and cyber.

Booz Allen currently has five service offerings, namely Consulting, Analytics, Digital Solutions, Engineering and Server. Consulting solutions are offered to various domains like business strategies, human capital and operations. Analytics services are focused on delivering transformational solutions in the areas of decision analytics, data science and automation plus the emerging areas of artificial intelligence and deep learning. Digital Solutions combines modern system development techniques with cloud platforms and machine learning for providing powerful solutions to clients.

Engineering delivers an array of engineering services and solutions to complex systems like the Launch and Test Range System (LTRS) for the U.S. Air Force Space Command or the Flush Air Data Systems (FADS) for NASA. Cyber provides cyber risk management solutions, such as prevention, detection and cost effectiveness.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ **Vision 2020.** Booz Allen's transformation strategy aimed at creating sustainable expansion, has been fetching significant headcount and backlog growth. The strategy focuses on getting closer to clients' core missions, increasing technical content of work, attracting and retaining talent from diverse areas of expertise, increasing innovation, creating a wide network of external partners and alliances and expansion into commercial and international business. Its implementation has accelerated the company's organic-revenue growth and strengthened its profitability position. These initiatives might have positively impacted the company's share price, which has improved 12.1% over the past year.
- ▲ Booz Allen Hamilton developed its solutions business in a way that it creates **differentiated business** models and sales channels, increases client acquisition and enhances future revenue opportunities. The company also differentiated itself in the talent market so as to ensure attraction and retention of quality talent from diverse disciplines. These initiatives bumped up its ability to bring a variety of offerings through which, it has been winning highly technical, mission-critical work for its federal government business. All these ensure long-term sustainable growth for the company.
- ▲ The company is focussing on areas such as artificial intelligence, advanced engineering, directed energy and modern digital platforms to drive **innovation**. It is developing mechanics and infrastructure for new and disruptive business models to enhance service quality and client satisfaction. Transformative solutions created by such efforts are expected to significantly enhance future revenue opportunities of the company.
- ▲ Booz Allen has a **large addressable market** as it serves the government which is one of the world's largest consumers of technology and management consulting services. Also, the agencies of the U.S. intelligence community offer an additional market. Further, the company has a lot of opportunities in global commercial markets where it has relatively low penetration.

Booz Allen is seeing backlog growth, enhanced technical expertise and a strong performance in the global commercial market.

Reasons To Sell:

- ▼ Booz Allen Hamilton's business experiences **seasonality** related to U.S. Government's fiscal year that ends on Sep 30. The company experiences higher bid and proposal costs in the months leading to the government's fiscal year-end. Seasonality is beyond the company's control and continues to weigh on its profitability.
- ▼ **Capital expenditure** is expected to increase significantly year over year in fiscal 2019 as Booz Allen Hamilton has increased investments in facilities, systems, infrastructure and technology to support long-term growth. Notably, the company's capital expenditure for fiscal 2020 was \$128.1 million that increased significantly from \$94.7 million in fiscal 2019.
- ▼ Booz Allen's total debt to total capital ratio of 0.73 was higher than the industry's 0.63 at the end of the first quarter of fiscal 2021. A high debt to capitalization ratio indicates that the proportion of debt to finance the company's assets is on the rise. Further, cash and cash equivalent balance of \$621 million at the end of quarter was well below the debt level of \$2.3 billion, underscoring that the company doesn't have enough cash to meet this **debt burden**. The cash level can however meet the short-term debt of \$128 million.

Increased investment and seasonality related to the U.S. Government's fiscal year escalated expenditure and cost.

Last Earnings Report

Booz Allen Beats on Earnings in Q1

Booz Allen reported mixed first-quarter fiscal 2021 results, with earnings beating the Zacks Consensus Estimate but revenues missing the same.

Adjusted earnings per share of 93 cents beat the consensus mark by 6.9% and improved 12% on a year-over-year basis. The bottom line benefited from top-line growth, strong contract-level performance and operational management.

Quarter Ending 06/2020

Report Date	Jul 31, 2020
Sales Surprise	-0.48%
EPS Surprise	6.90%
Quarterly EPS	0.93
Annual EPS (TTM)	3.27

Revenues, Backlog & Headcount Increase Y/Y

Total revenues of \$1.96 billion lagged the Zacks Consensus Estimate by a slight margin and increased 7.1% year over year. Revenues, excluding billable expenses, were \$1.41 billion, increasing 10.5% on a year-over-year basis. Billable expenses accounted for 28.1% of revenues.

Total backlog increased 15.9% from the prior-year quarter's reported figure to \$23 billion. Funded backlog of \$3.44 billion increased 7.6% year over year. Unfunded backlog was up 8.8% to \$4.73 billion. Priced options went up 4.9% to \$12.8 billion. Book-to-bill ratio was 2.17, up 68.2% year over year. Headcount of 27,381 increased 3.8% year over year.

Operating Results

Adjusted EBITDA amounted to \$213 million, up 6.8% year over year. Adjusted EBITDA margin on revenues stayed flat year over year at 10.9%. Adjusted EBITDA margin on revenues, excluding billable expenses, decreased to 15.1% from 15.6% in the year-ago quarter.

Balance Sheet & Cash Flow

Booz Allen Hamilton exited fiscal first quarter with cash and cash equivalents of \$620.6 million compared with \$450.8 million at the end of the prior quarter. Long-term debt (net of current portion) was \$2 billion, roughly flat with the previous quarter. The company generated \$140.4 million of net cash from operating activities. Capital expenditure was \$20.1 million and free cash flow was \$120.4 million for the March-end quarter.

The company paid out dividends worth \$43.8 million and repurchased shares worth \$85.9 million in the reported quarter.

Fiscal 2021 Outlook

The company's revenue-growth projection is 6-10%. The adjusted earnings per share guidance is \$3.40-\$3.60. The midpoint (\$3.50) of the guided range is below the Zacks Consensus Estimate of \$3.59.

Adjusted EBITDA margin on revenues is anticipated to be 10%. Operating cash flow is expected in the range of \$550-\$600 million.

Recent News

On **Aug 31, 2020**, Booz Allen announced that it has been awarded a \$950 million indefinite-quantity contract by the U.S. Air Force to support development of the Advanced Battle Management System.

On **Jun 26, 2020**, Booz Allen announced the appointments of Kevin Richards and Tony Sharp in leadership positions in its commercial business. Richards joins as an executive vice president and will lead the company's Strategic Cyber Readiness and Response teams. Sharp will serve as a senior vice president and will lead Booz Allen's Security Architecture and Engineering team.

Valuation

Booz Allen shares are up 21.5% in the year-to-date period and 12.1% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Business Services sector are up 14.4% and 5.6% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry and the sector are up 8.4% and 4.6%, respectively.

The S&P 500 index is up 6.8% in the year-to-date period and 15.9% in the past year.

The stock is currently trading at 22.61X price to forward 12 months' earnings, which compares to 22.25X for the Zacks sub-industry, 31.74X for the Zacks sector and 23.93X for the S&P 500 index.

Over the past five years, the stock has traded as high as 23.96X and as low as 14.92X, with a 5-year median of 18.58X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$92.00 price target reflects 24.1X price to forward 12 months' earnings.

The table below shows summary valuation data for BAH

Valuation Multiples - BAH					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12 M	Current	22.61	22.25	31.74	23.93
	5-Year High	23.96	22.25	31.74	23.93
	5-Year Low	14.92	15.94	18.68	15.25
	5-Year Median	18.58	18.58	20.95	17.6
P/S F12M	Current	1.43	1.41	4.41	4.4
	5-Year High	1.47	1.45	4.41	4.4
	5-Year Low	1.01	1.23	3.06	2.53
	5-Year Median	1.32	1.33	3.6	3.07
P/B TTM	Current	13.5	9.37	4.98	4.66
	5-Year High	14.44	9.61	6.71	4.76
	5-Year Low	8.79	6.03	3.28	2.83
	5-Year Median	12	8.39	5.22	3.76

As of 09/03/2020

Industry Analysis Zacks Industry Rank: Top 21% (53 out of 251)



Top Peers

Company (Ticker)	Rec	Rank
Accenture PLC (ACN)	Neutral	3
CACI International, Inc. (CACI)	Neutral	3
CGI Group, Inc. (GIB)	Neutral	2
ICF International, Inc. (ICFI)	Neutral	2
Leidos Holdings, Inc. (LDOS)	Neutral	3
ManTech International Corporation (MANT)	Neutral	2
Maximus, Inc. (MMS)	Neutral	3
Science Applications International Corporation (SAIC)	Neutral	3

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Government Services				Industry Peers		
	BAH	X Industry	S&P 500	ACN	GIB	LDOS
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	3	2	3
VGM Score	A	-	-	B	B	A
Market Cap	11.91 B	4.69 B	23.52 B	152.18 B	18.36 B	12.66 B
# of Analysts	9	3	14	11	7	9
Dividend Yield	1.43%	1.43%	1.62%	1.34%	0.00%	1.53%
Value Score	C	-	-	C	B	B
Cash/Price	0.05	0.02	0.07	0.04	0.05	0.05
EV/EBITDA	17.73	14.30	13.12	20.34	12.82	13.04
PEG F1	1.59	2.07	2.97	2.97	2.62	1.53
P/B	13.50	3.93	3.20	9.23	3.66	3.57
P/CF	22.61	14.97	12.72	26.81	14.91	12.66
P/E F1	23.22	23.41	21.67	29.66	19.90	16.36
P/S TTM	1.57	1.43	2.49	3.42	2.02	1.09
Earnings Yield	4.19%	4.27%	4.40%	3.37%	5.03%	6.11%
Debt/Equity	2.55	0.80	0.70	0.00	0.52	1.17
Cash Flow (\$/share)	3.82	5.11	6.93	8.91	4.75	7.03
Growth Score	A	-	-	A	B	A
Historical EPS Growth (3-5 Years)	19.35%	11.95%	10.41%	11.11%	9.72%	14.85%
Projected EPS Growth (F1/F0)	13.84%	-12.33%	-4.75%	5.61%	0.53%	5.20%
Current Cash Flow Growth	13.32%	13.32%	5.22%	8.06%	3.80%	6.19%
Historical Cash Flow Growth (3-5 Years)	11.25%	10.95%	8.49%	9.75%	1.29%	6.45%
Current Ratio	1.81	1.81	1.35	1.37	1.33	0.89
Debt/Capital	71.82%	44.39%	42.95%	0.36%	34.30%	53.90%
Net Margin	6.51%	6.41%	10.25%	11.11%	9.77%	5.26%
Return on Equity	52.76%	17.29%	14.59%	31.51%	18.99%	23.81%
Sales/Assets	1.62	1.62	0.50	1.35	0.87	1.11
Projected Sales Growth (F1/F0)	8.22%	8.22%	-1.42%	4.51%	-1.19%	11.78%
Momentum Score	B	-	-	B	C	A
Daily Price Change	-2.49%	-2.49%	-2.14%	-3.32%	-3.76%	-2.87%
1-Week Price Change	2.84%	1.32%	2.59%	2.32%	1.66%	2.40%
4-Week Price Change	4.26%	-0.22%	2.25%	3.50%	-1.37%	-2.20%
12-Week Price Change	12.04%	12.04%	11.04%	21.96%	8.31%	-11.32%
52-Week Price Change	12.10%	-2.94%	2.01%	19.80%	-11.27%	0.21%
20-Day Average Volume (Shares)	805,174	281,984	1,827,096	1,606,466	177,138	969,025
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.61%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	1.67%	0.00%	0.00%	0.61%	1.58%
EPS F1 Estimate 12-Week Change	1.40%	2.04%	3.89%	-0.06%	5.10%	5.03%
EPS Q1 Estimate Monthly Change	0.00%	-0.36%	0.00%	0.00%	0.00%	-3.78%

Source: Zacks Investment Research

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

Value Score	C
Growth Score	A
Momentum Score	B
VGM Score	A

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as a the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ($3/35 = 0.0857$) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.