

Northrop Grumman(NOC)

\$366.51 (As of 06/03/21)

Price Target (6-12 Months): **\$389.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 04/04/19)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:B

Value: A

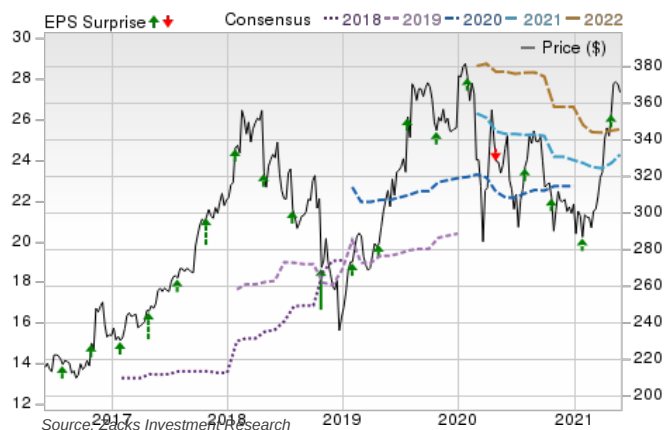
Growth: D

Momentum: B

Summary

Northrop Grumman continues to witness strong demand for its products on a global scale, with programs like F-35, Triton and SABR radar Global Hawk and E-2D program. As a major U.S. defense contractor, Northrop Grumman enjoys a strong position in the Air Force, Space & Cyber Security programs. Its product line is well positioned in high priority categories, which enables it to clinch notable contracts from the Pentagon. However, a comparative analysis of its historical EV/Sales ratio reflects a relatively gloomy picture that might be a cause concern for investors. It fears that continued spread of COVID-19 might cause extended disruption in its supply chain. Economic tensions and changes in international trade policies, including higher tariffs on imported goods might hurt the stock. Its shares have underperformed the industry in the past year.

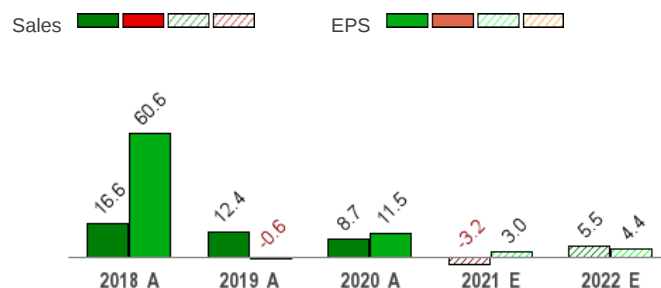
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$378.61 - \$282.88
20-Day Average Volume (Shares)	712,368
Market Cap	\$59.0 B
Year-To-Date Price Change	20.3%
Beta	0.83
Dividend / Dividend Yield	\$6.28 / 1.7%
Industry	Aerospace - Defense
Zacks Industry Rank	Bottom 13% (217 out of 249)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	19.9%
Last Sales Surprise	7.4%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	07/29/2021
Earnings ESP	0.0%
P/E TTM	14.6
P/E F1	15.1
PEG F1	NA
P/S TTM	1.6

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022	9,378 E	9,171 E	9,291 E	9,665 E	37,582 E
2021	9,157 A	8,705 E	8,829 E	9,129 E	35,639 E
2020	8,620 A	8,884 A	9,083 A	10,212 A	36,799 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022	\$6.19 E	\$6.11 E	\$6.26 E	\$6.43 E	\$25.44 E
2021	\$6.57 A	\$5.75 E	\$6.03 E	\$6.20 E	\$24.37 E
2020	\$5.15 A	\$6.01 A	\$5.89 A	\$6.59 A	\$23.65 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, except sales and EPS estimates, is as of 06/03/2021. The report's text, and the analyst-provided sales estimates, EPS estimates and price target are as of 06/04/2021.

Overview

Originally formed in 1939 as Northrop Aircraft Incorporated and reincorporated in Delaware in 1985 as Northrop Corporation was a principal developer of flying wing technology. In 1994, the company acquired Grumman Corporation (Grumman), after which the company was renamed Northrop Grumman Corporation. Currently, this global security company supplies a broad array of products and services to the U.S. Department of Defense (DoD) including electronic systems, information technology, aircraft, space technology and systems integration services. Northrop Grumman has realigned its business units effective January 2020.

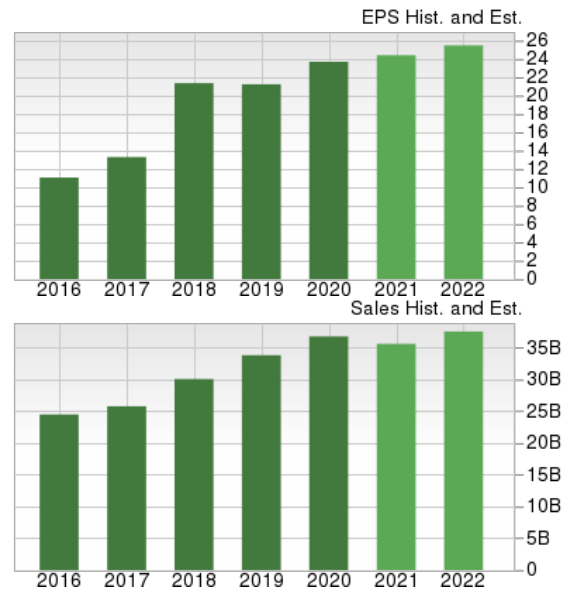
Northrop Grumman's Aeronautics Systems unit focuses on the development, integration, production and support of manned aircraft and autonomous systems. Revenues during 2020 came in at \$12,169 million, contributing 33.1% to the company's total revenues.

Its Defense Systems unit focuses on mission readiness along with battle management and missile systems. Revenues during 2020 came in at \$7,543 million, contributing 20.5% to the company's total revenues.

The company's Mission Systems unit includes airborne sensors and networks, cyber and intelligence mission solutions, maritime/land systems and sensors, along with navigation, targeting and survivability. Revenues during 2020 came in at \$10,080 million, contributing 27.4% to the company's total revenues.

Its Space Systems unit focuses on launch and strategic missiles as well as varied space related products that Northrop manufactures. Revenues during 2020 came in at \$8,744 million, contributing 23.8% to the company's total revenues.

However, total revenues of \$36,799 million in 2020 were adjusted for intersegment eliminations of up to \$1,737 million.



Reasons To Buy:

- ▲ Northrop Grumman has developed into one of the top largest U.S. defense contractors in terms of revenues, with a major platform-centric focus. The company has a strong presence in Air Force, Space & Cyber Security programs. Northrop's product line is well positioned in high priority categories, such as defense electronics, unmanned aircraft and missile defense. Such solid product portfolio enables the company to clinch notable contracts from Pentagon and foreign allies of the United States, thereby boosting its top-line. Notably, Northrop Grumman witnessed a solid 9% annual sales growth in 2020, with all of its business segments delivering encouraging top-line performance. In line with such notable developments, the Northrop Grumman is poised to deliver similar performance in 2021 as well, as is evident from the 6% hike observed in the first quarter sales.
- ▲ The proposed fiscal 2022 budget includes \$753 billion as funding for the Pentagon, reflecting 1.7% growth over the approved fiscal 2021 President's budget. Such encouraging spending provisions by the U.S. administration, once approved, are expected to significantly boost growth prospects of defense primes like Northrop Grumman.
- ▲ Foreign military sales (FMS) also serve as a key growth catalyst for this stock. Notably, the company's international sales came in at \$1.36 billion in the first quarter of 2021, comprising 15% of its total sales. Looking ahead, Northrop Grumman continues to witness strong demand for its products on a global scale, with programs like F-35, Triton and SABR radar Global Hawk, E-2D Advanced Hawkeyes, Ground Based Strategic Deterrent (GBSD), along with a solid set of new programs in the international market. For 2021 and beyond, the company expects GBSD to contribute nearly \$1 billion of incremental growth to Space Systems. Such strong growth opportunities might boost investors' confidence in this stock.
- ▲ Northrop Grumman's cash and cash equivalents were \$3,517 million at the end of first-quarter 2021. Its long-term debt was \$12.76 billion as of Mar 31, 2021, down sequentially from \$14.26 billion, while it had no outstanding short-term commercial paper borrowings. Although the long-term debt value lies much above the company's cash reserve, the current debt of \$42 million is much below its cash balance. This indicates Northrop's strong solvency position, at least in the short term. Additionally, the company had a current ratio of 1.46 as of Mar 31, 2021. This ratio being more than 1 indicates this defense major's ability to pay off its short-term obligations.

Further, the company's debt-to-capital ratio is 0.55, down sequentially from 0.57. Its interest coverage ratio of 10.1 improved sequentially from 7.3. All these favorable ratio levels make us optimistic about the company's ability to meet debt obligations in the near future. At a time when every entity is looking to preserve liquidity amid uncertainty as a result of the COVID-19 outbreak, improving financial ratios of Northrop Grumman are reassuring for investors.

Northrop Grumman Corporation's gain from favorable budgetary attributes and FMS contracts will help maintain a stable earnings stream. Its financial position also remains strong

Reasons To Sell:

- ▼ Although the coronavirus outbreak did not have a significant impact on Northrop's first-quarter results, it fears that the continued spread of COVID-19 might cause extended disruption in its supply chain. As witnessed, the COVID-19 impact led to a reduction in A350 production activities during the first quarter. If the company's suppliers face increased challenges with their workforce, access to necessary components and supplies, access to capital, and access to fundamental support services, they may be unable to provide the agreed-upon goods and services in a timely, compliant and cost-effective manner. Consequently, the defense giant may incur additional costs and delays in its business. The company expects that the longer the COVID-19 pandemic, including its economic disruption, continues, the greater the adverse impact will be on its operating results. This might have hurt investors' confidence in this stock. Evidently, shares of Northrop Grumman have gained 7.1% in a year, underperforming the industry's 7.5% growth.
- ▼ A comparative analysis of its historical EV/Sales ratio reflects a relatively gloomy picture that might be a cause for Northrop Grumman's investors' concern. The stock currently has a trailing 12-month EV/Sales ratio of 1.78. This level compares unfavorably with what the stock has witnessed in a year's time. Moreover, the company's EV/Sales ratio is higher than that of the industry's negative ratio of 2.12.
- ▼ The United States and its allies continue to face a global security environment of heightened tensions and instability, threats and political instability. Geopolitical relationships are changing and global economic growth is expected to remain in the low single digits in 2021, reflecting the impact and uncertainty surrounding geopolitical tensions globally and financial market volatility and the COVID-19 pandemic. Additionally, economic tensions and changes in international trade policies, including higher tariffs on imported goods and materials and renegotiation of free trade agreements, could impact the global market for defense products, services and solutions. This could have material impacts on defense spending broadly and the company's programs in particular.
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Northrop Grumman's unfavorable EV/Sales ratio coupled with exposure to workplace related fatalities raise concerns. The rapid spread of the COVID-19 pandemic also poses risk for the stock

Last Earnings Report

Northrop Grumman Q1 Earnings Beat, Revenues Rise Y/Y

Northrop Grumman Corporation reported first-quarter 2021 earnings of \$6.57 per share, which exceeded the Zacks Consensus Estimate of \$5.48 by 19.3%. Moreover, the bottom line rose 27.6% from \$5.15 in the year-ago quarter.

Total Sales

Northrop Grumman reported total sales of \$9,157 million for the first quarter, surpassing the Zacks Consensus Estimate of \$8,528 million by 7.4%. Moreover, revenues increased 6% from the year-ago quarter's \$8,620 million. The year-over-year upside was primarily driven by an increase in Aeronautics Systems sales, Space Systems sales and Mission Systems sales.

Backlog Count

Northrop Grumman's total backlog stood at \$79.3 billion at the end of first-quarter 2021, compared with \$81 billion at 2020-end. Of the total backlog, \$35.5 billion was funded.

Segmental Details

Aeronautics Systems: Segment sales of \$2,990 million grew 5% year over year as a result of higher manned aircraft sales.

Operating income improved 17% to \$308 million, whereas operating margin expanded 100 basis points (bps) to 10.3%.

Mission Systems: Segment sales increased 10% to \$2,589 million driven by higher sales volume from airborne multifunction sensors and networks along with maritime/land systems and sensors programs.

Operating income rose 12% to \$397 million, with operating margin expanding 30 bps to 15.3%.

Defense Systems: Sales at this segment declined 17% to \$1,562 million due to a reduction in sales related to the IT services divestiture.

Operating income declined 11% to \$177 million, whereas operating margin expanded 80 bps to 11.3%.

Space Systems: Space Systems' first-quarter 2021 sales increased 29% to \$2,521 million owing to higher sales in both the Launch & Strategic Missiles and Space business areas.

The segment's operating income soared 37% to \$276 million, while operating margin expanded 50 bps to 10.9%.

Operational Update

Total operating costs and expenses at the end of the quarter were \$8,315 million, up 8.2% year over year.

Operating income during the quarter surged 202.1% year over year to \$2,822 million.

Financial Condition

Northrop Grumman's cash and cash equivalents, as of Mar 31, 2021, were \$3,517 million, down from \$4,907 million, as of Dec 31, 2020.

Long-term debt (net of current portion), as of Mar 31, 2021, was \$12,764 million, up from \$14,261 million, as of 2020-end.

Net cash outflow from operating activities, as of Mar 31, 2021, was \$66 million compared with \$993 million, as of Mar 31, 2020.

2021 Guidance

Northrop Grumman has raised its 2021 revenue and earnings guidance.

The company currently expects to generate revenues in the range of \$35.3-\$35.7 billion, compared with its prior guidance range of \$35.0-\$35.4 billion during 2021. The Zacks Consensus Estimate of \$35.5 billion lies at the midpoint of the company provided guidance range.

The company's 2021 earnings are currently expected to be in the range of \$24.0-\$24.50 per share, compared with the previous band of \$21.80-\$22.20 per share. The Zacks Consensus Estimate of \$23.60 is lower than the company provided guidance range.

The company expects free cash flow of \$2.20-\$2.50 billion in 2021.

Quarter Ending	03/2021
Report Date	Apr 29, 2021
Sales Surprise	7.37%
EPS Surprise	19.89%
Quarterly EPS	6.57
Annual EPS (TTM)	25.06

Recent News

On **May 19, 2021**, Northrop Grumman's business unit, Northrop Grumman Systems, secured a \$75.5-million contract for the Global Hawk RQ-4 unmanned aerial vehicle (UAV). The deal has been awarded by the Air Force Installation Contracting Center, Joint Base San Antonio-Randolph, TX.

On **May 18, 2021**, Northrop Grumman's board of directors declared a quarterly dividend of \$1.57 per share on Northrop Grumman common stock, payable June 16, 2021, to shareholders of record as of the close of business June 1, 2021.

On **Apr 20, 2021**, Northrop Grumman's business unit, Northrop Grumman Systems Corp., clinched a contract \$2.32-billion contract related to the Minuteman III Intercontinental Ballistic Missile (ICBM) propulsion subsystem. The contract was awarded by the Air Force Nuclear Weapons Center, Hill Air Force Base, UT. Per the deal terms, Northrop Grumman Systems Corp. will provide engineering support and program management support services for the ICBM propulsion subsystem. It will also assist the U.S. government in maintaining the Minuteman III weapon system.

Additionally, Northrop Grumman's subsidiary will provide hardware and software maintenance, developmental and production engineering, and focus on improving ICBM's system-level performance. Work related to the deal will be carried out in Corrine and Magna, UT, and is expected to be completed by Nov 5, 2040.

On **Mar 23, 2021**, Northrop Grumman was awarded a contract by the Missile Defense Agency (MDA) for the Next Generation Interceptor (NGI) program. The contract is for the rapid development and flight test of an interceptor designed to defend the nation against the most complex long-range threats. Northrop Grumman has strategically teamed with Raytheon Missiles & Defense, a business of Raytheon Technologies, to bring together the vast experience of the two companies on one team, to deliver an effective solution for MDA on an accelerated schedule.

On **Mar 15, 2021**, Northrop Grumman announced that the U.S. Army has declared Northrop's Common Infrared Countermeasure (CIRCM) system operationally suitable, effective and ready for full-rate production following a successful six-month initial operational test and evaluation (IOT&E) activity.

On **Mar 8, 2021**, Northrop Grumman announced that it has been selected by NASA to provide solid propulsion systems and controls for NASA's Mars Ascent Vehicle (MAV). The MAV will be launched to Mars in 2026 along with a "fetch" rover that will collect soil and rock samples prepared by NASA's Perseverance rover, which launched in July 2020 and landed on Mars Feb. 18.

On **Feb 2, 2021**, Northrop Grumman announced an accelerated share repurchase (ASR) agreement with Goldman Sachs & Co. LLC, a subsidiary of The Goldman Sachs Group, Inc. GS, for \$2 billion of Northrop's common stock.

Under the ASR agreement, Northrop Grumman will receive initial deliveries of approximately 5.9 million shares on Feb 2, representing 85% of the expected share repurchases based on the company's closing price of \$286.61, as on Jan 29, 2021.

The final number of shares to be repurchased will be based on Northrop Grumman's volume-weighted average price during the term of the transaction, which is expected to be completed in the second quarter of 2021.

On **Feb 1, 2021**, Northrop Grumman announced that it has closed the sale of its IT services business to Peraton, an affiliate of Veritas, for \$3.4 billion in cash. Northrop Grumman expects to use the sale proceeds primarily for share repurchases, to offset dilution from the transaction, and for debt retirement.

Valuation

Northrop Grumman's shares are up 20.3% in the year-to-date period and 7.1% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Aerospace sector are up 15% and 15% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry is up 7.5% and the Zacks Aerospace sector witnessed a 6.6% growth.

The S&P 500 index is up 12.3% in the year-to-date period and 33.5% in the past year.

The stock is currently trading at 14.8X forward 12-month earnings, which compares to 21.7X for the Zacks sub-industry, 23.2X for the Zacks sector and 21.7X for the S&P 500 index.

Over the past five years, the stock has traded as high as 25.4X and as low as 11.4X, with a 5-year median of 16.5X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$389 price target reflects 15.7X forward 12-month earnings.

The table below shows summary valuation data for NOC

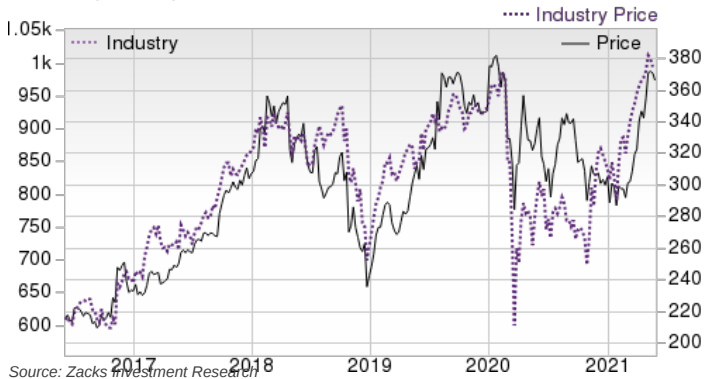
Valuation Multiples - NOC					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	14.78	21.71	23.16	21.66
	5-Year High	25.37	22.54	23.16	23.83
	5-Year Low	11.35	14.52	14.31	15.3
	5-Year Median	16.48	18.9	18.08	18.03
P/S F12M	Current	1.62	1.43	2.01	4.68
	5-Year High	2.23	1.64	2.01	4.74
	5-Year Low	1.16	0.99	0.97	3.21
	5-Year Median	1.62	1.31	1.29	3.72

EV/SALES TTM	Current	1.83	2.19	2.85	4.8
	5-Year High	2.57	2.23	3.01	4.85
	5-Year Low	1.55	1.04	1.16	2.64
	5-Year Median	1.99	1.6	1.74	3.63

As of 06/03/2021

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Bottom 13% (217 out of 249)



Top Peers

Company (Ticker)	Rec	Rank
The Boeing Company (BA)	Neutral	3
General Dynamics Corporation (GD)	Neutral	3
Leidos Holdings, Inc. (LDOS)	Neutral	3
L3Harris Technologies Inc (LHX)	Neutral	3
Lockheed Martin Corporation (LMT)	Neutral	3
Textron Inc. (TXT)	Neutral	2
Airbus Group (EADSY)	Underperform	5
Safran SA (SAFRY)	Underperform	4

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

Industry Comparison Industry: Aerospace - Defense				Industry Peers		
	NOC	X Industry	S&P 500	GD	LHX	SAFRY
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Underperform
Zacks Rank (Short Term)	3	-	-	3	3	4
VGM Score	B	-	-	C	A	A
Market Cap	58.99 B	13.69 B	30.58 B	53.92 B	45.08 B	64.21 B
# of Analysts	6	7	12	9	9	2
Dividend Yield	1.71%	0.06%	1.3%	2.49%	1.86%	0.24%
Value Score	A	-	-	A	B	B
Cash/Price	0.06	0.07	0.06	0.03	0.02	0.08
EV/EBITDA	12.21	10.24	17.35	12.19	15.09	25.60
PEG F1	NA	1.88	2.15	2.38	1.88	NA
P/B	5.61	3.60	4.17	3.52	2.21	4.41
P/CF	11.68	13.33	17.68	13.54	10.74	23.33
P/E F1	15.05	17.16	21.64	17.09	16.92	40.40
P/S TTM	1.58	1.36	3.48	1.40	2.49	NA
Earnings Yield	6.65%	4.49%	4.51%	5.85%	5.91%	2.48%
Debt/Equity	1.21	0.73	0.66	0.65	0.34	0.35
Cash Flow (\$/share)	31.37	1.42	6.82	14.10	20.48	1.61
Growth Score	D	-	-	D	B	B
Historical EPS Growth (3-5 Years)	22.23%	15.19%	9.39%	4.17%	20.50%	NA
Projected EPS Growth (F1/F0)	3.02%	12.97%	21.44%	1.53%	12.03%	69.09%
Current Cash Flow Growth	7.37%	-11.78%	0.86%	-6.21%	NA	-42.25%
Historical Cash Flow Growth (3-5 Years)	18.58%	3.26%	7.32%	3.26%	40.17%	-6.88%
Current Ratio	1.46	1.35	1.39	1.35	1.78	0.96
Debt/Capital	54.81%	42.20%	41.51%	39.45%	25.65%	26.12%
Net Margin	12.10%	2.98%	11.92%	8.22%	7.55%	NA
Return on Equity	40.40%	9.37%	16.34%	21.27%	12.01%	NA
Sales/Assets	0.86	0.76	0.51	0.76	0.49	NA
Projected Sales Growth (F1/F0)	-3.15%	4.38%	9.37%	2.82%	3.09%	-0.04%
Momentum Score	B	-	-	D	C	A
Daily Price Change	-0.19%	-0.23%	-0.06%	-0.38%	0.56%	-1.31%
1-Week Price Change	-1.24%	2.26%	1.01%	0.02%	0.94%	2.26%
4-Week Price Change	-0.96%	1.36%	0.48%	-0.97%	1.36%	0.70%
12-Week Price Change	22.41%	9.42%	8.62%	10.51%	16.83%	4.07%
52-Week Price Change	9.16%	20.53%	36.86%	21.47%	10.26%	34.51%
20-Day Average Volume (Shares)	712,368	529,815	1,817,578	964,431	961,999	74,181
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.10%	-0.05%	-0.05%	0.00%
EPS F1 Estimate 12-Week Change	3.93%	1.62%	3.33%	0.92%	0.93%	12.05%
EPS Q1 Estimate Monthly Change	0.28%	0.13%	0.00%	0.10%	0.16%	NA

Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

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	A
Growth Score	D
Momentum Score	B
VGM Score	B

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.

Disclosures

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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.