

UNITED STATES

Pay-for-Performance Mechanics ISS' Quantitative and Qualitative Approach

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1. Background

Following the implementation of mandated advisory shareholder votes on executive compensation under the Dodd-Frank Act of 2010, investors have regular opportunities to opine on executive pay programs. Investor feedback on the issue of pay-for-performance has indicated a preference for a focus on long-term alignment, board decision-making, and pay relative both to market peers and company performance. As a result, ISS' approach to evaluating pay-for-performance comprises an initial quantitative assessment and, as appropriate, an in-depth qualitative review to determine either the likely cause of a perceived long-term misalignment between pay and performance, or factors that mitigate the initial assessment.

The initial quantitative screens are designed to identify outlier companies that have demonstrated significant misalignment between CEO pay and company performance over time. The screens measure alignment on both a relative and absolute basis, over multiple time horizons, and consider long-term shareholder value and financial performance. The screening process applies to constituents of the Russell 3000E Index, a collection of the largest 3,800 (approximate) equity securities traded on U.S. stock exchanges.

ISS reviews the Compensation Discussion and Analysis (CD&A) section of all companies' proxy statements and highlights noteworthy issues to investors regardless of the quantitative concern level. This qualitative evaluation, as well as any in-depth qualitative evaluation subsequent to the quantitative screens, is the most important part of the analysis and subsequent vote recommendation. Responsiveness following a low say-on-pay vote or the identification of problematic pay issues are addressed in the qualitative analysis and may result in a negative recommendation even for companies that exhibit quantitative alignment, or a Low quantitative concern level. For additional information, see ISS' U.S. Compensation Policies FAQ.

Following an elevated (Medium or High) concern level under the quantitative screens, a subsequent in-depth qualitative assessment is designed to uncover mitigating factors or potential contributors to the perceived misalignment.

2. Quantitative Pay-for-Performance Evaluation

Broadly speaking, ISS has three main goals in developing the pay-for-performance methodology:

- **Measure alignment over multiple time horizons.** Business cycles and compensation plans' performance cycles span multiple years. An assessment of the alignment between shareholders and executive pay should be conducted over a long-term timeframe.
- **Use multiple measures to assess alignment.** The pay-for-performance evaluations are based on multiple measures, each of which assesses a company's pay-for-performance alignment from a distinct perspective.
- **Provide robust and standardized information about pay-for-performance concerns to investors and issuers.** The evaluation is designed to quantify the degree of alignment between pay and performance, and provide results that can be compared between companies and across multiple years.

ISS' quantitative pay-for-performance screen uses four measures of alignment between executive pay and company performance: three *relative* measures where a company's CEO pay magnitude and the degree of pay-for-performance alignment are evaluated in reference to a group of comparable companies, and one *absolute* measure, where alignment is evaluated independently of other companies' pay or performance. The four measures, which are discussed in greater detail below, are:

- **Relative Degree of Alignment (RDA).** This relative measure compares the percentile ranks of a company's CEO pay and TSR performance, relative to an ISS-derived comparison group, over the prior three-year period.
- **Multiple of Median (MOM).** This relative measure expresses the prior year's CEO pay as a multiple of the median CEO pay of an ISS-derived comparison group for the most recently available annual period.

- **Pay-TSR Alignment (PTA).** This absolute measure compares the trends of the CEO’s annual pay and the change in the value of an investment in the company over the prior five-year period.
- **Financial Performance Assessment (FPA).** This relative measure compares the percentile ranks of a company’s CEO pay and financial performance across four EVA financial metrics, relative to an ISS-derived comparison group, over the prior three-year period.

The following table summarizes the measurement periods, and inputs, for each measure:

Measure	Absolute or Relative	Scope	Inputs
RDA	Relative	3 years ¹	CEO Pay & TSR
MOM	Relative	1 year	CEO Pay
PTA	Absolute	5 years ²	CEO Pay & TSR
FPA	Relative	3 years ¹	CEO Pay & EVA

What We Measure

Executive Pay. The proxy statement for most companies includes an array of pay data, with a three-year look-back, for the five highest-paid executives, including the CEO and CFO. The centerpiece of these disclosures is the Summary Compensation Table, which enumerates the key elements found in typical top executive compensation packages:

- Salary
- Bonus
- Nonequity Incentive Plan Compensation
- Stock Awards (grant date value)
- Stock Option Awards (grant date value)
- Annual Change in Pension Value/Nonqualified Deferred Compensation Earnings (above market rate)
- All Other Compensation

Other tables provide, among other details, summaries of equity- and nonequity-based grants in the last fiscal year, unexercised/unvested equity-based awards, and the realized gains of vested and exercised grants. However, the Summary Compensation Table presents the most comprehensive picture of each named executive officer's total planned and earned compensation for the year – specifically, the pay and pay opportunities that the compensation committee and board determined they ought to receive. ISS primarily focuses on the CEO's pay because it sets the compensation pace at most companies, and the compensation committee and board are most directly involved in and accountable for the decisions that generate the CEO's pay.

In evaluating pay and performance alignment, ISS' quantitative analysis focuses on CEO Total Compensation primarily as reflected in the Summary Compensation Table, although ISS utilizes a standard set of assumptions to value equity-based grants. All elements, including the Annual Change in Pension/Deferred Compensation Earnings (not generally considered "direct" pay) are taken into account, since companies that do not provide components

¹ For companies with only two years of pay and TSR (or financial) data, a two-year scope will be used. For companies with less than two years of data, the measure will be excluded.

² For companies with only four years of pay and TSR data, a four-year scope will be used. For companies with less than four years of data, the measure will be excluded.

such as supplemental pensions and nonqualified deferral plans may compensate executives by making larger equity grants; thus, all elements are considered for equitable comparisons.

Company Performance. There are numerous ways to measure corporate performance, and key metrics may vary considerably from industry to industry and from company to company depending on the particular business strategy at any given time. Investors expect that incentive plan metrics will stem from that strategy and be designed to motivate the behavior and executive decisions that will lead to its successful execution.

However, one key measure for investors in the context of a long-term pay-for-performance evaluation is total shareholder return (TSR). ISS does not advocate that companies utilize TSR (or any particular metric) as an incentive plan metric. On the contrary, shareholders may prefer that incentive awards be tied to the company’s short- and long-term business goals. If the business strategy is sound and well-executed, the expectation is that it will create value for shareowners over time, as reflected in long-term total shareholder returns. For this reason, TSR, which is objective, transparent, and readily comparable across companies, is the primary metric ISS utilizes in evaluating quantitative pay and performance alignment.

Investors have indicated to ISS that TSR should be the primary performance consideration in the pay-for-performance context. However, investors have also indicated that it is appropriate to supplement TSR with other financial metrics to assess long-term performance. Accordingly, in addition to TSR, ISS’ quantitative screen also analyzes long-term financial performance across key metrics as part of the Financial Performance Assessment (FPA). The FPA utilizes four long-term Economic Value Added (EVA) metrics – EVA Margin, EVA Spread, EVA Momentum vs. Sales, and EVA Momentum vs. Capital. Taken together, these metrics are used to complement the TSR metric used in the other pay-for-performance measures. The selection of these metrics should not be interpreted as ISS’ suggestion that EVA metrics or other particular metrics should be used to form a company’s compensation program. Rather, these metrics serve as a guide for ISS to assess long-term alignment between pay and a broader view of key financial performance. Nevertheless, TSR will remain the most impactful performance measure for the purposes of the pay-for-performance quantitative screen.

Measures of Relative Alignment

Relative Degree of Alignment (RDA)

This relative measure seeks to determine if the pay opportunity delivered to the CEO is commensurate with the performance achieved by shareholders, relative to a comparable group of companies. The Relative Degree of Alignment (RDA) compares the percentile ranks of a company’s CEO pay and TSR performance, relative to a comparison group of 12-24 companies selected by ISS on the basis of size, industry, market capitalization, and other factors, generally measured over a three-year period (for more information on ISS’ peer selection methodology, see ISS’ U.S. Peer Group FAQ). In cases where three complete years of pay or TSR data is unavailable, an abbreviated two-year scope will be used if data are available. Otherwise, RDA will be excluded.

To determine RDA, the subject company’s percentile ranks are calculated for three-year average pay and for annualized three-year TSR performance. The RDA measure is equal to the difference between the ranks: the performance rank minus the pay rank. The table below illustrates how the factors combine to determine the final measure – in this case, the relative degree of alignment is -20.

	Performance	Pay	Difference
3-year percentile rank	30	50	-20

Values for the RDA measure range between -100 and +100, with -100 representing high pay for low performance (i.e., 100th percentile pay with 0th percentile performance), zero representing a high degree of alignment (the pay

rank is equal to the performance rank), and 100 representing high performance for low pay. Three-year average pay for the subject company and each peer company is based on the most recently disclosed three years of pay data available in ISS' executive compensation database.

Because of the sensitivity of TSR to overall market performance, annualized TSR performance for all companies (subject company and peer companies) will be measured for the same period: that is, the three-year period ending closest to the fiscal-year end of the subject company. ISS smooths the TSR calculation by averaging the daily closing prices for the beginning and end months of the TSR measurement period. The impact of dividends and stock splits occurring during the averaging period will be factored into the TSR calculation.

To illustrate the TSR calculation: if a company's fiscal year ends on November 29, 2021, then for the subject company and its peers, TSRs will be measured by averaging the daily closing prices of the end month, November 2021, and the beginning month, November 2018.

Multiple of Median (MOM)

1-Year Multiple of Median. This relative measure identifies instances where CEO pay magnitude is significantly higher than amounts typical for the ISS-derived peer group, independent of company performance. Calculating this measure is straightforward: the company's one-year CEO pay is divided by the median pay for the comparison group (for more information on ISS' peer selection methodology, see ISS' U.S. Peer Group FAQ). Values can therefore range from zero (if the subject company reported no CEO compensation in the most recent fiscal year) to any positive value, with no upper limit. A MOM value of 1.00 indicates that CEO pay in the last fiscal year is equivalent to the peer median.

3-Year Multiple of Median. ISS research reports also include a three-year MOM view of CEO pay as a measure of long-term pay magnitude relative to the ISS-derived peer group. The three-year MOM compares average CEO pay over the last three years to the three-year average pay of CEO peers, and as a multiple of the median of that average. Peer CEO pay uses the same peer group for all three years of the measurement period. The display also shows the subject company CEO's three-year cumulative pay total. The three-year MOM is not part of the quantitative screen methodology and is displayed for informational purposes only. The results may inform ISS' qualitative evaluation.

Financial Performance Assessment (FPA)

This relative measure of alignment between CEO pay and company financial performance is applied as a secondary measure after the three primary screens (Multiple of Median, Relative Degree of Alignment, and Pay-TSR Alignment) have been calculated.

The FPA compares the company's financial and operational performance over the long term (in most cases, three years) versus the ISS-derived peer group. The FPA generally utilizes four equally weighted EVA-based metrics:

- EVA Margin
- EVA Spread
- EVA Momentum vs. Sales
- EVA Momentum vs. Capital

Financial performance for these EVA metrics is measured across a three-year period (or a shortened two-year period depending on trading history and data availability), and the subject company is ranked against its ISS-derived peers across each of the metrics (for more information on ISS' peer selection methodology, see ISS' U.S. Peer Group FAQ). Performance is measured using the 12 most recent trailing quarters (16 for momentum metrics) as of ISS' Quarterly Data Download. Data is derived from company-reported income statement, balance sheet, and

footnote financial data, which is obtained from S&P Compustat. A minimum of 8 trailing quarters of valid data is required for the EVA Margin and EVA Spread metrics to be calculated, and 12 trailing quarters of valid data for EVA momentum metrics – this applies to the subject company as well as ISS-derived peers. As with the other screens, a minimum of 12 peers with valid data is required for the FPA.

The metric performance ranks are combined into an average performance rank, which is compared to the subject company’s CEO pay rank. In a similar fashion to the operation of the Relative Degree of Alignment (RDA) test, the FPA generates a relative financial performance result that may range from -100 to +100. A negative result represents a CEO pay rank that is greater than the average financial performance rank, zero represents a CEO pay rank that is equal to the average financial performance rank, and a positive result represents a CEO pay rank that is below the average financial performance rank.

Note that there are exceptional cases where the FPA screen will not be applied. These exceptions are meant to address EVA metric calculation considerations for companies reporting limited revenue or capital, and merger, acquisition, and spinoff activity. See the Appendix for more information.

EVA Metrics. The FPA screen utilizes EVA-based metrics, which improve comparisons between companies with different capital structures, different operating leverage levels, different operating models (asset-heavy vs. asset-light), different business cycles, and companies with peers that span across multiple industries, among other cases.

EVA represents the economic profit a company earns after meeting all its obligations – including the demands of capital providers. As a formula, EVA is net operating profit after taxes (NOPAT), less a capital charge computed by multiplying the firm’s capital base by its cost of capital. Unlike GAAP-based measures of profit, EVA cuts through accounting distortions and charges for the use of capital. EVA uses a rules-based method of translating accounting data into economic performance information through a consistent framework, thus making it comparable across companies, industries, and countries.

The four EVA-based metrics used in the FPA can be further understood as follows:

Metric	Definition
EVA Margin <i>(EVA ÷ Sales)</i>	The percent of sales remaining after covering all operating and capital costs, a combined measure of profit and loss (P&L) efficiency and balance sheet asset management.
EVA Spread <i>(EVA ÷ Capital)</i>	The EVA yield on capital, which equals the spread between the firm's return on capital (ROC) and its cost of capital (COC).
EVA Momentum vs. Sales <i>(ΔEVA ÷ Prior Sales)</i>	The trend line annual growth rate in EVA over the past three years, scaled to Sales.
EVA Momentum vs. Capital <i>(ΔEVA ÷ Prior Capital)</i>	The trend line annual growth rate in EVA over the past three years, scaled to Capital.

All ISS-covered companies are entitled to download their EVA Profile for free. The profile provides a high-level breakdown of a company’s EVA calculation and the four metrics used in the FPA using the most recently available Quarterly Data Download applicable to the company’s next annual meeting. For more information on the EVA methodology, including the adjustments used to calculate EVA, and to download your company’s free EVA Profile, visit the [ISS EVA Resource Center](#).

GAAP Metrics. ISS research reports also include a "GAAP Financial Performance" assessment that compares the subject company's financial and operational performance over the long term versus the ISS-derived peer group, using GAAP metrics of ROE, ROA, ROIC, and EBITDA Growth (Cash Flow Growth for certain industries). The GAAP Financial Performance assessment is not part of the quantitative screen methodology and is displayed for informational purposes only. The results may inform ISS' qualitative evaluation.

Measure of Absolute Alignment

Pay-TSR Alignment (PTA)

This absolute measure is intended to identify whether shareholders' and executives' experiences, in terms of shareholder returns and granted pay, have followed the same long-term trend. PTA is not designed to measure whether pay and performance go up and down together on a year-over-year basis; rather, PTA measures long-term directional alignment.

At a high level, PTA is calculated as the difference between the slopes of weighted linear regressions for pay and for shareholder returns over a five-year period. This difference indicates the degree to which CEO pay has changed more or less rapidly than shareholder returns over that period. In cases where five complete years of pay or TSR data is unavailable, an abbreviated four-year scope will be used if data are available. Otherwise, PTA will be excluded.

The regressions that calculate Pay and TSR trends are weighted least-squares regressions of pay and TSR against the independent (x) variable time. Because the timing of the measurements for pay and for TSR is different, however, the regressions are handled differently. The indexed TSR values represent "fence posts" – fiscal year-end markers – that connect the "fence rails" of pay delivered between those markers.

- For the pay regression, five values are measured, at times (years) 1, 2, 3, 4, and 5. The dependent (y) values for the pay regression are the total CEO compensation values for the five most recent fiscal years.
- For the TSR regression, six values are measured, at times (years) 0, 1, 2, 3, 4, and 5. The dependent (y) values for the TSR regression are determined by hypothetically "investing" \$100 in the company on the day five years prior to the most recent fiscal year end, and measuring the value of that \$100 investment on each of the subsequent five year fiscal year end dates, for a total of six indexed TSR values.

The following table traces a hypothetical company's Pay and Indexed TSR values for the five-year period in question. The TSR % Change column indicates the percentage return over the one-year period in question, for reference.

Year (X)	Pay	Indexed TSR	TSR % Change
2016 (0)	-	100	-
2017 (1)	1,231	109	9.0%
2018 (2)	2,553	118	8.3%
2019 (3)	1,821	91	-22.9%
2020 (4)	1,789	99	8.8%
2021 (5)	2,226	104	5.1%

The regressions are weighted to place slightly more emphasis on recent experience. Because there are a different number of data points for the two regressions, pay and TSR each have their own weights calculated. The weights are constructed such that the geometric mean of the weights is equal to 1, and that the weight for a pay period is equal to the geometric mean of the weights for the TSR periods that “fencepost” it (e.g., the weight for pay period 2 is equal to the geometric mean of the weight for TSR periods 1 and 2). Finally, the weight for any period is equal to the weight for the next period times a decay factor (set to .85 for the ISS model), yielding weights as follows:

	Period 0	Period 1	Period 2	Period 3	Period 4	Period 5
Indexed TSR weights	0.6661	0.7837	0.9220	1.0847	1.2761	1.5012
Pay weights	n/a	0.7225	0.8500	1.0000	1.1765	1.3841

The indexed TSR calculation depends on a continuous series of TSR data. If TSR data for only the first period is missing, PTA will be calculated on the basis of 4 years of data, otherwise PTA will not be calculated. If pay data are missing for any one period, then that period carries zero weight for both pay and TSR in the calculation.

The slope of the weighted least-squares regression is calculated as follows, if P_i represents the pay or performance value for period i , W_i represents the corresponding weight for period i , and X_i is simply i :

$$\text{slope} = \frac{\sum W_i \sum W_i X_i P_i - \sum W_i X_i \sum W_i P_i}{\sum W_i \sum W_i X_i X_i - \sum W_i X_i \sum W_i X_i}$$

In order that the two slopes are comparable to one another, each must be normalized by dividing by their respective weighted-average values:

$$\text{norm. factor} = \frac{\sum W_i P_i}{\sum W_i}$$

The normalized slopes are therefore analogous to a 5-year “trend rate” for pay and performance, weighted to reflect recent history. The final Pay-TSR Alignment measure is simply equal to the difference: performance slope minus the pay slope. Potential values for PTA are theoretically unbounded, but in practice they range from just over -100 percent to just over 100 percent.

Quantitative Screening Methodology

Philosophy. The quantitative screening measures (RDA, MOM, PTA and FPA) together provide an important signal for ISS’ initial quantitative evaluation of pay-for-performance alignment. ISS has developed a framework to determine whether the measures indicate the presence or absence of a pay-for-performance misalignment. The philosophy of the framework is that if a pay-for-performance measure for a company lies within a range of typical values, then it has demonstrated some evidence of pay-for-performance alignment. If the company’s measure falls outside that range, a misalignment may exist.

The evaluative approach begins by identifying companies that are outliers. The approach is based on empirical observation of the distribution of the measures within the back-testing universe, and on the relative strength of the relationship of each measure to voting outcomes. Additionally, the methodology, where possible, avoids arbitrary threshold effects by using a continuous scoring approach. As a result, scores are additive – concerns raised for multiple measures can accumulate to provide evidence for a pay-for-performance misalignment.

Quantitative Concern Levels. ISS’ quantitative screen will produce two concern results: (i) an “Initial Quantitative Concern” level and (ii) an “Overall Quantitative Concern” level. The Initial Quantitative Concern level is determined

by the results of the three primary screening measures: RDA, MOM, and PTA. The "Overall Quantitative Concern" level reflects the final concern level for the quantitative screen, which may or may not have been impacted by the FPA results, as described below. The Overall Quantitative Concern will be the indicator for any pay-for-performance misalignment warranting an in-depth qualitative evaluation.

Sample of Pay-for-Performance Screen Summary

PAY-FOR-PERFORMANCE QUANTITATIVE SCREEN															
<p>The pay-for-performance quantitative screen uses four measures that together evaluate the alignment of CEO pay and company performance. The screen measures alignment over multiple time horizons, on both an absolute and relative basis, using multiple performance measures. The screen is designed to identify outlier companies that demonstrate a significant quantitative misalignment over time.</p>	<table border="1"> <thead> <tr> <th>Measure</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>Relative Degree of alignment</td> <td>-25</td> </tr> <tr> <td>Multiple of Peer Group Median</td> <td>1.75</td> </tr> <tr> <td>Absolute Alignment</td> <td>-5</td> </tr> <tr> <td>Initial Quantitative Screen</td> <td>Low Concern</td> </tr> <tr> <td>Financial Performance Assessment</td> <td>-65.2</td> </tr> <tr> <td>Overall Quantitative Concern</td> <td>Medium Concern</td> </tr> </tbody> </table>	Measure	Result	Relative Degree of alignment	-25	Multiple of Peer Group Median	1.75	Absolute Alignment	-5	Initial Quantitative Screen	Low Concern	Financial Performance Assessment	-65.2	Overall Quantitative Concern	Medium Concern
	Measure	Result													
	Relative Degree of alignment	-25													
	Multiple of Peer Group Median	1.75													
	Absolute Alignment	-5													
	Initial Quantitative Screen	Low Concern													
	Financial Performance Assessment	-65.2													
Overall Quantitative Concern	Medium Concern														

Most companies will not have their Overall Quantitative Concern level modified by the FPA result. The FPA may affect the Overall Quantitative Concern level only if a company has (i) a Medium concern result under the Initial Quantitative Screen, or (ii) a Low concern result under the Initial Quantitative Screen but which result borders the Medium concern threshold under any of the three primary screening measures (RDA, MOM or PTA).

If a company would have Low concern under the Initial Quantitative Screen, but the result is bordering the Medium concern threshold, a showing of relatively poor performance in the FPA may increase the Overall Quantitative Concern level to Medium (as shown in the above graphic). Conversely, if a company would have Medium concern under the Initial Quantitative Screen, a showing of relatively strong performance in the FPA may reduce the Overall Quantitative Concern level to Low. The determination of whether the FPA score is relatively poor or strong in this context takes into consideration the individual company's index membership, GICS industry group, and Initial Quantitative Screen result. An FPA threshold is established based on these factors and is compared against a company's FPA score to potentially modify the initial concern level up or down and determine the overall level of concern.

The FPA result will not impact the Overall Quantitative Concern level for companies exhibiting a High concern level or a Low concern level with all three tests below the "Eligible for FPA Adjustment" threshold (see below) on the Initial Quantitative Screen. Note that if two or three of the primary screening measures (RDA, MOM or PTA) result in a Medium concern, then the Overall Quantitative Concern level will be a High concern.

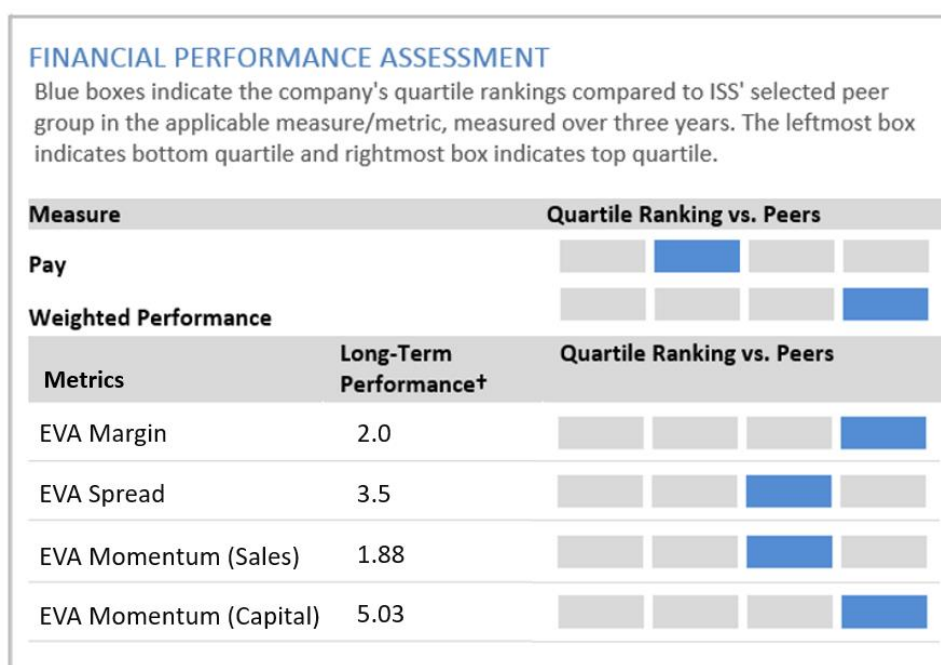
The pay-for-performance thresholds were first established based on back testing and are annually reviewed and periodically updated. The tables below show the levels for each measure that indicate where a company would be considered to have a misalignment between pay and performance triggering a Medium or High concern, effective for meetings on or after Feb. 1, 2022. The "Eligible for FPA Adjustment" thresholds displayed below indicate RDA, MOM, and PTA that are deemed to be bordering the Medium concern threshold – companies with results in that band will be eligible for their Overall Quantitative Concern to be impacted by the FPA score, as outlined above.

Quantitative Concern Thresholds: Non-S&P 500			
Measure	Eligible for FPA Adjustment	Medium Concern	High Concern
Relative Degree of Alignment	-38.5	-50	-60
Multiple of Median	1.84x	2.33x	3.33x
Pay-TSR Alignment	-23%	-30%	-45%

S&P 500 companies have a distinct set of thresholds from other Russell 3000E companies for the Multiple of Median (MOM) test. The lower thresholds reflect increasing investor scrutiny regarding the escalating quantum of CEO pay among large-cap companies.

Quantitative Concern Thresholds: S&P 500 only			
Measure	Eligible for FPA Adjustment	Medium Concern	High Concern
Relative Degree of Alignment	-38.5	-50	-60
Multiple of Median	1.69x	2.00x	3.00x
Pay-TSR Alignment	-23%	-30%	-45%

Sample of Financial Performance Assessment (FPA)



3. Qualitative Evaluation

An important step when pay and performance appear misaligned is to assess how various pay elements may be working to encourage, or to undermine, long-term value creation and alignment with shareholder interests. It is the outcome of the qualitative evaluation that determines the vote recommendation for the say-on-pay proposal (or, in some cases, for the election of directors when there is no say-on-pay proposal on the ballot).

Exceptional circumstances of the COVID-19 pandemic and its impact on company operations will also be considered in ISS' qualitative evaluation. For information regarding ISS' evaluation of COVID-related pay decisions, see ISS' U.S. Compensation Policies and the COVID-19 Pandemic FAQ (Updated for 2022).

What We Assess

This second step in the pay-for-performance evaluation reviews the full picture of compensation decisions and practices at the company. The below illustrates typical factors considered, although this is not intended to be a comprehensive list. For additional information on factors that inform the qualitative evaluation, see ISS' U.S. Compensation Policies FAQ.

Strength of performance-based compensation and rigor of performance goals. This key consideration includes a review of the ratio of performance- to time-based awards as well as the overall ratio of performance-based compensation to discretionary or fixed compensation, focusing particularly on the compensation committee's most recent decision-making (which reflects its current direction).

A company that exhibits significant quantitative pay-for-performance misalignment would be expected to strongly emphasize performance-based compensation (though not by simply increasing the size of the pay package). ISS will review both recent cash awards paid and long-term award opportunities intended to drive future performance, to evaluate their design and performance criteria. Time-based awards (including standard stock options and time-vesting stock awards) that are not granted based on the attainment of pre-set goals are not considered to be strongly performance-based in this context. Shareholders would also expect such a company to fully disclose performance metrics and goals, which should be reasonably challenging in the context of its past performance and goals, guidance the company has provided to analysts, etc. If goals were set lower compared to the prior year's goals or actual performance levels, the company should explain the reason for this and how that was considered in setting corresponding pay opportunities. ISS may also review goals from prior award cycles and the level at which those awards were earned or forfeited. Use of a single metric, or very similar metrics, in both of the short- and long-term incentive programs may indicate duplicative awards or suggest inappropriate focus on one aspect of business results at the expense of others. If the company uses non-GAAP metrics, adjustments should be clearly disclosed (along with compelling rationale if such adjustments are nonstandard and/or reflect factors within the control of management). Companies should also provide clear disclosure on the reconciliation between non-GAAP and GAAP results, as used to determine incentive plan results.

Financial/operational performance. ISS may consider a company's financial and operational metric results (on an EVA and GAAP basis). In addition to the FPA measure, ISS may also consider a company's general financial performance in the qualitative review, which may give context to award opportunities and/or incentive payouts. For example, strong results in a performance metric may justify above-target payouts relating to that metric, despite poor TSR performance.

Realized and realizable pay. As noted above, the value of pay opportunities that depend on future stock prices and/or achievement of performance goals may not ultimately be delivered, and many investors believe that this should be a consideration in a pay-for-performance analysis. ISS has generally considered amounts of "realized" equity and performance grants in the qualitative analysis. ISS also utilizes a defined calculation of "realizable pay" that may be considered in the qualitative review of S&P 1500 companies. The fact that realizable pay is lower than grant-date pay will not necessarily obviate other indications that a company's compensation programs are not sufficiently tied to performance objectives. However, in the absence of such indications, realizable pay that demonstrates a pay-for-performance outcome will be a positive consideration. For information on how ISS calculates realizable pay and how it is evaluated in a qualitative review, see ISS' U.S. Compensation Policies FAQ.

Peer group pay benchmarking practices. ISS closely examines a company's disclosed pay benchmarking approach to determine whether it is a contributing factor to a pay-for-performance misalignment. For example, a

preponderance of self-selected peers that are larger than the subject company may drive up compensation without sufficient link to performance. Above-median pay benchmarking may have the same effect.

Executive transitions. In cases of executive transitions, ISS will consider compensation arrangements for both outgoing and incoming executives. Severance and termination-related incentive award treatment as well as sign-on awards will be closely evaluated. The nature of the employment termination (i.e., voluntary, involuntary, retirement, etc.), any previously disclosed severance arrangements, and any apparent windfalls or pay-for-failure risk will also be considered. Further, while shareholders may welcome a new CEO in light of lagging performance, the new CEO's pay should be primarily conditioned on performance improvement. Any make-whole and/or one-time inducement compensation should also be explained and clearly disclosed.

Special circumstances. ISS will also review unusual situations as a part of the qualitative analysis, such as a company's responsiveness to receiving low support for the say-on-pay proposal in prior years or when a company has a history of poor pay practices. The qualitative analysis will consider any other special circumstances, such as unusual equity grant practices (e.g., bi- or triennial awards), the effects of grant timing, special one-time grants, etc. Given the limitations in disclosure and in order to provide a consistent comparison across all companies, the quantitative screen relies on information disclosed in the proxy pay tables for the year in review. However, if an elevated concern is raised, ISS will consider special circumstances and unusual grant practices in the qualitative review, if this information is clearly disclosed. We note, however, that such circumstances do not automatically invalidate other aspects of the analysis, including the quantitative results, since that methodology's long-term orientation is designed to smooth the impact of timing anomalies. Though the quantitative screen looks at CEO pay, compensation for other NEOs will also be reviewed. Companies should provide robust disclosure on the rationale and other relevant considerations for such circumstances.

4. Summary

ISS' quantitative methodology combines two analytical perspectives – pay and performance relative to a comparison group of companies, and pay relative to absolute shareholder returns – to detect significant long-term misalignment. The comparison groups are based on a transparent methodology that reasonably accounts for company size, market cap, and general industry categorization – not for the purpose of benchmarking pay (or picking stocks) but to evaluate whether pay is generally commensurate with market peers and performance. More information on ISS' peer group selection process, see ISS' U.S. Peer Group FAQ.

The qualitative evaluation, which ultimately determines the vote recommendation, identifies whether the pay-and-performance misalignment is mitigated or otherwise reinforced. The use of EVA metrics in addition to TSR further assists in determining if appropriate linkages exist between pay and company performance. While shareholders are not interested in micro-managing executive pay programs, they certainly have a stake in ensuring that compensation programs are effectively driving value creation.

ISS' robust and transparent pay-for-performance methodology seeks to facilitate investor evaluations of this critical aspect of corporate governance and shareholder value. This methodology evolves with investor expectations, and feedback from all market participants is both welcome and appreciated. To provide feedback on ISS' pay-for-performance quantitative and/or qualitative evaluation process, please visit the [ISS Help Center](#).

5. Appendix

Financial Metric Measurement Periods

Under the FPA, EVA metrics are generally measured over a three-year period (unless the subject company has only two years of data). For a three-year period, the metrics are calculated over the trailing 12 quarters (or 16 quarters

for EVA momentum metrics) as of the applicable Quarterly Data Download (QDD) for each company, using quarterly financial data.

ISS downloads the financial model inputs for all companies four times per year. Downloads occur on the dates below, with the QDD used for a given analysis depending on the shareholder meeting date for the company as shown:

Shareholder Meeting Date Range		Data Download Date
From	To	
March 1	May 31	December 1
June 1	August 31	March 1
September 1	November 30	June 1
December 1	February 28	September 1

FPA and EVA Metric Exceptions

The FPA will not be applied in the following cases:

- The subject company does not have at least 2 years of CEO pay data as of the most recent fiscal year.
- The subject company does not have at least 2 years of financial history as of the most recent QDD date.
- The subject company does not have at least 1 valid EVA metric with a minimum 2-year history.

EVA metric history may be truncated if one or more of the below cases apply. These exclusions can limit the available data for some or all of the EVA metrics and effectively exclude the FPA from the pay-for-performance screen:

- In the case of material merger or spinoff activity during the FPA measurement period, the analysis will exclude the performance history preceding the transaction date. An EVA metric will still be used if sufficient data exists following the merger or spinoff activity so that ISS can calculate a minimum 2-year measurement period (through the calculation date), excluding the impacted quarters.
- Performance periods in which company revenue was below \$5 million will be excluded from the EVA Margin and EVA Momentum vs. Sales metrics.
- Performance periods in which company capital was below \$5 million will be excluded from the EVA Spread and EVA Momentum vs. Capital metrics.

For more information on the EVA methodology, including the adjustments used to calculate EVA, and to download your company's free EVA Profile, visit the [ISS EVA Resource Center](#).

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