## DEPARTMENT OF STATE TREASURER

## INVESTMENT MANAGEMENT DIVISION COMPENSATION STRUCTURE UPDATE

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## FY2015 STRUCTURE

## FY2015 STRUCTURE

## OVERVIEW

- In December 2014, the North Carolina Department of State Treasurer (NCDST) engaged Mercer to develop a compensation structure for investment-related classification titles, to be used in Fiscal Year 2015 (FY2015).
- The structure was built using the following methodology:
- All classification titles were market priced using the 2014 McLagan US Public Funds Compensation Survey, 2013 Mercer Compensation Design for Public Pension Fund Investment Professionals Survey, and/or the 2014 Mercer Benchmark Database (to the degree a relevant match was available from each source).
- The target positioning for each classification title was based on the average of the $50^{\text {th }}$ and $75^{\text {th }}$ percentiles of base salary from the McLagan and Mercer surveys (survey sources weighted equally). We recognized that some other State Pension Plans have incentive plans in addition to salary. While NCDST does not offer incentive compensation, this target positioning on base salary will help attract and retain top talent.
- Based on the market data, Mercer created a 16-grade salary structure to help NCDST administer compensation.
- Each grade has a midpoint, a minimum and a maximum. The minimums and maximums are +/- $25 \%$ of midpoint, and grade midpoints are $12.5 \%$ to $15 \%$ apart.
- The ranges and progressions are also based on market data and are consistent with market best practices.


## FY2015 STRUCTURE

## OVERVIEW

- To slot classification titles into the 16-grade structure, Mercer assigned each classification title to the grade where the midpoint was closest to the market value for the classification title, as discussed previously. Some classification titles were slotted in lower or higher grades than the market data recommended; this decision was based on Mercer and NCDST's understanding of a classification title's relative level compared to other roles in NCDST.
- Individual employee compensation was then compared to the salary structure based on incumbents' current pay and their assigned grade's midpoint, minimum and maximum. Individual compensation decisions were made by NCDST based on a combination of factors, including performance, tenure, experience and position in grade.
- The FY2015 structure is on the following page.


## FY2015 STRUCTURE

COMPENSATION STRUCTURE

- Mercer developed a 16-grade traditional structure using a target market positioning between the $50^{\text {th }}$ and $75^{\text {th }}$ percentiles:

Grade labels begin at 10; these can be adjusted as desired.

| Grade | Min | Mid | Max | Midpoint <br> Progression | Range <br> Width |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | $\$ 44,000$ | $\$ 55,000$ | $\$ 66,000$ |  | $50 \%$ |
| 11 | $\$ 50,000$ | $\$ 62,000$ | $\$ 75,000$ | $12.5 \%$ | $50 \%$ |
| 12 | $\$ 56,000$ | $\$ 70,000$ | $\$ 84,000$ | $12.5 \%$ | $50 \%$ |
| 13 | $\$ 63,000$ | $\$ 79,000$ | $\$ 95,000$ | $12.5 \%$ | $50 \%$ |
| 14 | $\$ 71,000$ | $\$ 89,000$ | $\$ 107,000$ | $12.5 \%$ | $50 \%$ |
| 15 | $\$ 80,000$ | $\$ 100,000$ | $\$ 120,000$ | $12.5 \%$ | $50 \%$ |
| 16 | $\$ 90,000$ | $\$ 113,000$ | $\$ 135,000$ | $12.5 \%$ | $50 \%$ |
| 17 | $\$ 102,000$ | $\$ 127,000$ | $\$ 153,000$ | $12.5 \%$ | $50 \%$ |
| 18 | $\$ 114,000$ | $\$ 143,000$ | $\$ 171,000$ | $12.5 \%$ | $50 \%$ |
| 19 | $\$ 129,000$ | $\$ 161,000$ | $\$ 194,000$ | $12.5 \%$ | $50 \%$ |
| 20 | $\$ 145,000$ | $\$ 181,000$ | $\$ 218,000$ | $12.5 \%$ | $50 \%$ |
| 21 | $\$ 163,000$ | $\$ 204,000$ | $\$ 245,000$ | $12.5 \%$ | $50 \%$ |
| 22 | $\$ 188,000$ | $\$ 235,000$ | $\$ 282,000$ | $15.0 \%$ | $50 \%$ |
| 23 | $\$ 216,000$ | $\$ 270,000$ | $\$ 324,000$ | $15.0 \%$ | $50 \%$ |
| 24 | $\$ 249,000$ | $\$ 311,000$ | $\$ 374,000$ | $15.0 \%$ | $50 \%$ |
| 25 | $\$ 286,000$ | $\$ 358,000$ | $\$ 429,000$ | $15.0 \%$ | $50 \%$ |

Range widths were set at a constant $50 \%$, allowing an ample range relative to the midpoint for differences based on employee performance, experience, etc.

Midpoint progressions reflect typical level differentiation between jobs in the structure (increase from 12.5\% up through $15 \%$ at the highest levels).

## FY2015 STRUCTURE

## JOB SLOTTING

- Investment-related classification titles were slotted into grades based on competitive market benchmarking and relative level compared to other roles within NCDST:

| Grade | Job Titles | Min | Mid | Max | Midpoint <br> Progression | Range <br> Width |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: |
| 10 |  | $\$ 44,000$ | $\$ 55,000$ | $\$ 66,000$ |  | $50 \%$ |
| 11 |  | $\$ 50,000$ | $\$ 62,000$ | $\$ 75,000$ | $12.5 \%$ | $50 \%$ |
| 12 | Investment Analyst - C | $\$ 56,000$ | $\$ 70,000$ | $\$ 84,000$ | $12.5 \%$ | $50 \%$ |
| 13 | Investment Analyst - J, | $\$ 63,000$ | $\$ 79,000$ | $\$ 95,000$ | $12.5 \%$ | $50 \%$ |
| 14 | Investment Analyst - A | $\$ 71,000$ | $\$ 89,000$ | $\$ 107,000$ | $12.5 \%$ | $50 \%$ |
| 15 | Accounting Manager | $\$ 80,000$ | $\$ 100,000$ | $\$ 120,000$ | $12.5 \%$ | $50 \%$ |
| 16 |  | $\$ 90,000$ | $\$ 113,000$ | $\$ 135,000$ | $12.5 \%$ | $50 \%$ |
| 17 |  | $\$ 102,000$ | $\$ 127,000$ | $\$ 153,000$ | $12.5 \%$ | $50 \%$ |
| 18 | Portfolio Manager - C, Legal Counsel - A, Deputy Director <br>  <br> Financial Operations | $\$ 114,000$ | $\$ 143,000$ | $\$ 171,000$ | $12.5 \%$ | $50 \%$ |
| 19 | Portfolio Manager - J, General Counsel | $\$ 129,000$ | $\$ 161,000$ | $\$ 194,000$ | $12.5 \%$ | $50 \%$ |
| 20 | Portfolio Manager - A | $\$ 145,000$ | $\$ 181,000$ | $\$ 218,000$ | $12.5 \%$ | $50 \%$ |
| 21 | Investment Director - C, CFO | $\$ 163,000$ | $\$ 204,000$ | $\$ 245,000$ | $12.5 \%$ | $50 \%$ |
| 22 | Investment Director - J | $\$ 188,000$ | $\$ 235,000$ | $\$ 282,000$ | $15.0 \%$ | $50 \%$ |
| 23 | Investment Director - A | $\$ 216,000$ | $\$ 270,000$ | $\$ 324,000$ | $15.0 \%$ | $50 \%$ |
| 24 |  | $\$ 249,000$ | $\$ 311,000$ | $\$ 374,000$ | $15.0 \%$ | $50 \%$ |
| 25 | Chief Investment Officer | $\$ 286,000$ | $\$ 358,000$ | $\$ 429,000$ | $15.0 \%$ | $50 \%$ |

## FY2017 STRUCTURE

## FY2017 STRUCTURE

## OVERVIEW

- NCDST re-engaged Mercer to update the compensation structure based on market movement. NCDST plans to implement the updated structure in Fiscal Year 2017 (FY2017).
- To update the structure, Mercer analyzed the latest market data for the investment-related classification titles within the structure.
- The exact methodology and surveys used in this analysis are shown on the following page.
- Mercer then compared the new market data to the FY2015 market data to determine the market movement for these classification titles. The market movement is reflected in the updated structure, detailed later in this report.

FY2017 STRUCTURE

## BENCHMARKING METHODOLOGY

- To benchmark NCDST's investment-related classification titles, Mercer used the most recent versions of the survey sources used in the FY2015 study. These surveys represent other large public funds that are comparable to NCDST. The sources are listed below:

| FY2017 Structure Sources | FY2015 Structure Sources |
| :--- | :--- |
| Mercer's 2015 Compensation Design for | Mercer's 2013 Compensation Design for |
| Public Pension Fund Investment | Public Pension Fund Investment <br> Professionals Survey |
| Professionals Survey | McLagan's 2014 US Public Funds |
| McLagan's 2016 US Public Funds | Compensation Survey |
| Compensation Survey | Mercer's 2014 Benchmark Database |
| Mercer's 2016 Benchmark Database |  |

- All market data for the updated structure was trended forward to November 1, 2016. An annual increase rate of $3 \%$ was used, based on the median actual increases for US employees in 2015 and $2016{ }^{1}$.


## FY2017 STRUCTURE

## STRUCTURE METHODOLOGY

- In order to determine how much to adjust the FY2015 structure, Mercer compared the benchmarking results in FY2017 against the benchmarking results in FY2015 for like classification titles. The median change between the FY2015 jobs and FY2017 jobs was approximately $8.4 \%$.
- The detailed classification title analysis is in the appendix.
- The median was selected as the metric for comparison because it is the most accurate representation of market movement. The median eliminates the bias of classification titles where the market movement was particularly high or low between studies, which may reflect incumbent movement more than market movement.
- To reflect the aggregate market movement for investment-related classification titles within NCDST, we have adjusted the FY2015 compensation structure by approximately 8\%, rounded to the nearest $\$ 1,000$.
- The updated FY2017 structure is shown on the following page.


## COMPENSATION STRUCTURE

| Grade | Min | Mid | Max | Midpoint <br> Progression | Range <br> Width |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | $\$ 48,000$ | $\$ 59,000$ | $\$ 71,000$ |  | $50 \%$ |
| 11 | $\$ 54,000$ | $\$ 67,000$ | $\$ 81,000$ | $12.5 \%$ | $50 \%$ |
| 12 | $\$ 60,000$ | $\$ 76,000$ | $\$ 91,000$ | $12.5 \%$ | $50 \%$ |
| 13 | $\$ 68,000$ | $\$ 85,000$ | $\$ 103,000$ | $12.5 \%$ | $50 \%$ |
| 14 | $\$ 77,000$ | $\$ 96,000$ | $\$ 116,000$ | $12.5 \%$ | $50 \%$ |
| 15 | $\$ 86,000$ | $\$ 108,000$ | $\$ 130,000$ | $12.5 \%$ | $50 \%$ |
| 16 | $\$ 97,000$ | $\$ 122,000$ | $\$ 146,000$ | $12.5 \%$ | $50 \%$ |
| 17 | $\$ 110,000$ | $\$ 137,000$ | $\$ 165,000$ | $12.5 \%$ | $50 \%$ |
| 18 | $\$ 123,000$ | $\$ 154,000$ | $\$ 185,000$ | $12.5 \%$ | $50 \%$ |
| 19 | $\$ 139,000$ | $\$ 174,000$ | $\$ 210,000$ | $12.5 \%$ | $50 \%$ |
| 20 | $\$ 157,000$ | $\$ 195,000$ | $\$ 235,000$ | $12.5 \%$ | $50 \%$ |
| 21 | $\$ 176,000$ | $\$ 220,000$ | $\$ 265,000$ | $12.5 \%$ | $50 \%$ |
| 22 | $\$ 203,000$ | $\$ 254,000$ | $\$ 305,000$ | $15.0 \%$ | $50 \%$ |
| 23 | $\$ 233,000$ | $\$ 292,000$ | $\$ 350,000$ | $15.0 \%$ | $50 \%$ |
| 24 | $\$ 269,000$ | $\$ 336,000$ | $\$ 404,000$ | $15.0 \%$ | $50 \%$ |
| 25 | $\$ 309,000$ | $\$ 387,000$ | $\$ 463,000$ | $15.0 \%$ | $50 \%$ |

## FY2017 STRUCTURE SLOTTING

- Mercer determined on a case-by-case basis whether market adjustments for individual classification titles warranted a grade adjustment. Based on our analysis of the market data, we do not recommend any grade changes from the previous study at this time. The slotting of the investment-related classification titles into the updated structure is shown below:

| Grade | Job Titles | Min | Mid | Max | Midpoint <br> Progression | Range <br> Width |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: |
| 10 |  | $\$ 48,000$ | $\$ 59,000$ | $\$ 71,000$ |  | $50 \%$ |
| 11 |  | $\$ 54,000$ | $\$ 67,000$ | $\$ 81,000$ | $12.5 \%$ | $50 \%$ |
| 12 | Investment Analyst - C | $\$ 60,000$ | $\$ 76,000$ | $\$ 91,000$ | $12.5 \%$ | $50 \%$ |
| 13 | Investment Analyst - J, | $\$ 68,000$ | $\$ 85,000$ | $\$ 103,000$ | $12.5 \%$ | $50 \%$ |
| 14 | Investment Analyst - A | $\$ 77,000$ | $\$ 96,000$ | $\$ 116,000$ | $12.5 \%$ | $50 \%$ |
| 15 | Accounting Manager | $\$ 86,000$ | $\$ 108,000$ | $\$ 130,000$ | $12.5 \%$ | $50 \%$ |
| 16 |  | $\$ 97,000$ | $\$ 122,000$ | $\$ 146,000$ | $12.5 \%$ | $50 \%$ |
| 17 |  | $\$ 110,000$ | $\$ 137,000$ | $\$ 165,000$ | $12.5 \%$ | $50 \%$ |
| 18 | Portfolio Manager - C, Legal Counsel - A, Deputy Director <br> Financial Operations | $\$ 123,000$ | $\$ 154,000$ | $\$ 185,000$ | $12.5 \%$ | $50 \%$ |
| 19 | Portfolio Manager - J, General Counsel | $\$ 139,000$ | $\$ 174,000$ | $\$ 210,000$ | $12.5 \%$ | $50 \%$ |
| 20 | Portfolio Manager - A | $\$ 157,000$ | $\$ 195,000$ | $\$ 235,000$ | $12.5 \%$ | $50 \%$ |
| 21 | Investment Director - C, CFO | $\$ 176,000$ | $\$ 220,000$ | $\$ 265,000$ | $12.5 \%$ | $50 \%$ |
| 22 | Investment Director - J | $\$ 203,000$ | $\$ 254,000$ | $\$ 305,000$ | $15.0 \%$ | $50 \%$ |
| 23 | Investment Director - A | $\$ 233,000$ | $\$ 292,000$ | $\$ 350,000$ | $15.0 \%$ | $50 \%$ |
| 24 |  | $\$ 269,000$ | $\$ 336,000$ | $\$ 404,000$ | $15.0 \%$ | $50 \%$ |
| 25 | Chief Investment Officer | $\$ 309,000$ | $\$ 387,000$ | $\$ 463,000$ | $15.0 \%$ | $50 \%$ |

## APPENDIX

## APPENDIX

## DETAILED MARKET DATA

| Title | Mercer Title Match | McLagan Title Match |  <br> McLagan Blend |  <br> McLagan Blend | \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Accountant | Accountant - Experienced | Intermediate Staff | \$66,052 | \$62,728 | 5\% |
| Accounting Manager | Accounting Manager | Team Lead, Supervisor | \$106,219 | \$104,373 | 2\% |
| Accounting Supervisor | Accounting - Team Leader | Senior Staff | \$84,639 | \$79,955 | 6\% |
| Accounting Technician | Accountant - Entry | Intermediate Staff, -15\% | \$55,782 | \$52,942 | 5\% |
| Accounting Technician | Accountant - Entry | Intermediate Staff, -15\% | \$55,782 | \$52,942 | 5\% |
| Investment Analyst - J (Operations) | Not Available | Sec Ops/Port Admin - Specialist | \$72,257 | \$69,822 | 3\% |
| Investment Analyst - J (Operations) | Not Available | Senior Investment Performance Analyst | \$84,944 | \$80,308 | 6\% |
| Investment Analyst - J (Operations) | Not Available | Senior Investment Performance Analyst | \$84,944 | \$80,308 | 6\% |
| Investment Analyst - J (Real Estate) | Interm. Inv. Analyst | Intermediate Analyst External Investments - All Specialties Combined | \$95,294 | \$88,148 | 8\% |
| Investment Analyst - J (Opps Fixed/Inflation) | Interm. Inv. Analyst | Intermediate Analyst External Investments - All Specialties Combined | \$95,294 | \$88,148 | 8\% |
| Investment Analyst - J (Private Equity) | Interm. Inv. Analyst | Intermediate Analyst External Investments - All Specialties Combined | \$95,294 | \$88,148 | 8\% |
| Investment Analyst - J (Opps Fixed/Inflation) | Interm. Inv. Analyst | Intermediate Analyst External Investments - All Specialties Combined | \$95,294 | \$88,148 | 8\% |
| Investment Analyst - J (Public Equity) | Interm. Inv. Analyst | Intermediate Analyst External Investments - All Specialties Combined | \$95,294 | \$88,148 | 8\% |
| Investment Analyst - J (Operations) | Not Available | Sec Ops/Port Admin - Senior/Lead Specialist | \$83,740 | \$89,685 | -7\% |
| Investment Analyst - J (Operations) | Not Available | Sec Ops/Port Admin - Senior/Lead Specialist | \$83,740 | \$89,685 | -7\% |

## APPENDIX

## DETAILED MARKET DATA

| Title | Mercer Title Match | McLagan Title Match | FY2017 Study <br>  <br> McLagan Blend | FY2015 Study Mercer \& McLagan Blend | \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CFO | Head of Financial Control - Controller | Head of Investment Accounting + 15\% | \$204,092 | \$198,745 | 3\% |
| Chief Investment Officer | Top Investment Officer | Most Senior Investment Position | \$386,740 | \$361,442 | 7\% |
| Deputy Director Financial Operations | Accounting Director | Head of Investment Accounting | \$144,826 | \$138,481 | 5\% |
| Legal Counsel - A | Legal Counsel - Experienced +10\% | Corporate Governance Director | \$146,061 | \$134,945 | 8\% |
| General Counsel | Legal Counsel - Senior | Corporate Governance Director + 15\% | \$173,922 | \$165,274 | 5\% |
| Investment Director - J | Hybrid: 65\% Inv. Ops. Director + 35\% Sen. Inv. Director | Hybrid: 65\% Chief Operating/Admin Officer + 35\% Deputy CIO | \$272,106 | \$233,046 | 17\% |
| Investment Director - J (Credit/Inflation) | Senior Investment Executive | Team Leader - Alternative Products Manager of Managers | \$262,084 | \$232,654 | 13\% |
| Investment Director - J (Alternative Investments) | Senior Investment Executive | Team Leader - Alternative Products Manager of Managers | \$262,084 | \$232,654 | 13\% |
| Investment Director - J (Fixed Income) | Senior Investment Executive | Head of Area/Asset Class - Fundamental Fixed Income | \$274,268 | \$244,728 | 12\% |
| Investment Director - J (MultiStrategy) | Senior Investment Executive | Team Leader - Alternative Products Manager of Managers | \$262,084 | \$232,654 | 13\% |
| Investment Director - J (Public Equities) | Senior Investment Executive | Team Leader - Traditional Products Manager of Managers | \$255,139 | \$225,218 | 13\% |
| Investment Director - J (Real Estate) | Senior Investment Executive | Head of Area/Asset Class - Real Estate | \$263,086 | \$231,394 | 14\% |
| Investment Director - J | Senior Risk Management/Asset Allocation Director | Head Risk/lnv Strategy | \$258,160 | \$186,639 | 38\% |
| Investment Director - C | Hybrid: Sen. Inv Dir + Inv Director | Hybrid: Team Leader - Alt Prod/Sr Mgr Ext Inv - All Specialties Combined | \$232,220 | \$206,890 | 12\% |
| Investment Director-C (Fixed Income) | Hybrid: Sen. Inv Dir + Inv Director | Hybrid: Head of Area -Fund. FI/Senior PMI <br> - Fund. Fixed Income | \$246,386 | \$222,480 | 11\% |

## APPENDIX

## DETAILED MARKET DATA

| Title | Mercer Title Match | McLagan Title Match | FY2017 Study Mercer \& McLagan Blend | FY2015 Study Mercer \& McLagan Blend | \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Portfolio Manager - J (Fixed Income) | Not Available | Sr Research Analyst I and II CombinedAll Specialties Combined | \$151,134 | \$143,627 | 5\% |
| Portfolio Manager - J (Risk and Asset Allocation) | Not Available | Senior Risk/Investment Strategist | \$166,929 | \$157,793 | 6\% |
| Portfolio Manager - J (Equity) | Investment Manager | Hybrid: Senior Manager + Senior Analyst External Investments - Equity | \$173,587 | \$159,963 | 9\% |
| Portfolio Manager - $J$ (Equity) | Investment Manager | Hybrid: Senior Manager + Senior Analyst External Investments - Equity | \$173,587 | \$159,963 | 9\% |
| Portfolio Manager - J (Equity) | Investment Manager | Hybrid: Senior Manager + Senior Analyst External Investments - Equity | \$173,587 | \$159,963 | 9\% |
| Portfolio Manager - J (Real Estate) | Investment Manager | Hybrid: Senior Manager + Senior Analyst All Specialties Combines | \$173,587 | \$159,963 | 9\% |
| Portfolio Manager - J (Opps Fixed/Inflation) | Investment Manager | Hybrid: Senior Manager + Senior Analyst All Specialties Combines | \$173,587 | \$159,963 | 9\% |
| Portfolio Manager - J (Fixed Income) | Not Available | Hybrid: Sr PMI - Fundamental FixedIncome + Senior Trader | \$177,835 | \$161,650 | 10\% |
| Portfolio Manager - J (Private Equity) | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$167,474 | 21\% |
| Portfolio Manager - J (Real Estate) | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$181,126 | 12\% |
| Portfolio Manager - J (Opps Fixed/Inflation) | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$181,126 | 12\% |
| Portfolio Manager - J (Private Equity) | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$181,126 | 12\% |
| $\begin{aligned} & \text { Portfolio Manager - J (Multi- } \\ & \text { Strategy) } \end{aligned}$ | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$181,126 | 12\% |
| Portfolio Manager - J (Fixed Income) | Not Available | Manager, Research - All Specialties Combined | \$213,914 | \$189,150 | 13\% |
| Portfolio Manager - A (Real Estate) | Second Level Investment Executive | Senior Manager External Investments - All Specialties Combined | \$202,356 | \$181,126 | 12\% |
| Portfolio Manager - C | Not Available | Hybrid: Sr PM II - Fundamental FixedIncome + Interm. Trader | \$151,810 | \$143,173 | 6\% |
| Median \% Change 8.38 |  |  |  |  |  |
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