AT&T Corp.

Directors

| Debra L. Dial <i>Director</i> Effective Date: | 03/01/2016 | End Date: | | | |
|---|------------------|-----------|------------|--|--|
| G. Troy Hatch Director | | | | | |
| Effective Date: | 07/01/2019 | End Date: | | | |
| John J. O'Connor Director | | | | | |
| Effective Date: | 04/23/2013 | End Date: | 07/01/2019 | | |
| <u>Officers</u> | | | | | |
| F. Thaddeus Arroyo | | | | | |
| President and Chief Executive Officer | | | | | |
| Effective Date: | 01/01/2017 | End Date: | 10/01/2019 | | |
| Anne Chow | | | | | |
| President and Chief Executive Officer | | | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Scott Mair | | | | | |
| President - AT&T Operations | | | | | |
| Effective Date: | 12/16/2017 | End Date: | 10/01/2019 | | |
| President - AT&T Technology and Operations | | | | | |
| President - AT&T Tech | nology and Opera | tions | | | |

| President - AT&T C | /bersecurity and C | hief Executive Office | er - AlienVault |
|-------------------------|---------------------------|-----------------------|-----------------|
| Effective Date: | 09/01/2018 | End Date: | |
| Sorabh Saxena | | | |
| President - Global C | Dperations and Sei | vices | |
| Effective Date: | 09/01/2018 | End Date: | 10/01/2019 |
| Jon Summers | | | |
| Chief Information O | fficer - AT&T Tech | nology and Operatio | ns |
| Effective Date: | 07/29/2019 | End Date: | 10/01/2019 |
| Xavier D. Williams | | | |
| President - Global F | Public Sector and W | Vholesale Solutions | |
| Effective Date: | 11/11/2017 | End Date: | 10/01/2019 |
| President - Governr | nent Solutions and | l National Business | |
| Effective Date: | 10/01/2019 | End Date: | |
| Anne Chow | | | |
| President - National | Business | | |
| Effective Date: | 04/01/2017 | End Date: | 10/01/2019 |
| Frank Jules | | | |
| President - Global E | Business | | |
| Effective Date: | 02/01/2016 | End Date: | |
| Mo Katibeh | | | |
| Chief Marketing Off | icer | | |
| Effective Date: | 08/16/2017 | End Date: | 10/01/2019 |
| <i>litratech Report</i> | | | |

| Executive Vice President and Chief Marketing Officer | | | | |
|---|--------------------|------------------------|----------------------|--|
| Effective Date: | 10/01/2019 | End Date: | | |
| | | | | |
| Sorabh Saxena | | | | |
| Executive Vice Preside | ent - Global Opera | tions and Services | | |
| Effective Date: | 10/01/2019 | End Date: | | |
| | | | | |
| Richard B. Welday, Jr. | | | | |
| Executive Vice Preside | ent - Business and | l WarnerMedia Go-to-M | arket | |
| Effective Date: | 10/01/2019 | End Date: | | |
| | | | | |
| Brian Anderson | | | | |
| Senior Vice President | - Audit Services | | | |
| Effective Date: | 01/01/2019 | End Date: | | |
| | | | | |
| Veronica Bloodworth | | | | |
| Senior Vice President | - Technology Serv | vice and Operations | | |
| Effective Date: | 11/16/2018 | End Date: | 10/01/2019 | |
| | | | | |
| Senior Vice President | - Wireless and Ac | cess, Engineering Cons | struction Operations | |
| Effective Date: | 10/01/2019 | End Date: | | |
| | | | | |
| Gerry R. Chicoine | | | | |
| Senior Vice President | - Audit Services | | | |
| Effective Date: | 12/01/2014 | End Date: | 01/01/2019 | |
| | | | | |
| Michael P. Coffey | | | | |
| Senior Vice President - Global Delivery and Assurance | | | | |
| Effective Date: | 05/01/2016 | End Date: | | |

| Alicia Dietsch | | | | | |
|-----------------------------------|------------|---------------------|-----------------------|------------|--|
| Chief Marketi | ng Officer | - CyberSecurity | | | |
| Effective Date | e: | 08/01/2019 | End Date: | | |
| | | | | | |
| Juan G. Flores | | | | | |
| Senior Vice P | resident - | Technical Field S | ervices | | |
| Effective Date | e: | 11/16/2018 | End Date: | 01/01/2019 | |
| Senior Vice P | resident - | Field Operations | East | | |
| Effective Date | e: | 01/01/2019 | End Date: | | |
| | | | | | |
| Darrell Guy | | | | | |
| - | regident | nd General Coun | | | |
| | | | | | |
| Effective Date | 9: | 04/01/2019 | End Date: | | |
| | | | | | |
| Thomas Harvey | | | | | |
| Senior Vice P | resident - | Client Solutions a | and Operations | | |
| Effective Date | e: | 06/01/2017 | End Date: | 02/01/2019 | |
| | | | | | |
| Senior Vice P | resident - | Sales Execellenc | е | | |
| Effective Date | e: | 02/01/2019 | End Date: | | |
| | | | | | |
| Abhi Ingle | | | | | |
| Senior Vice President - Marketing | | | | | |
| Effective Date | e: | 10/01/2019 | End Date: | | |
| | | | | | |
| Senior Vice P | resident - | Digital, Distributi | on and Channel Market | ting | |
| Effective Date | e: | 08/16/2017 | End Date: | 10/01/2019 | |
| | | | | | |

| Marachel L. Knight | | | | | | |
|--|--|----------------------|-----------------|--|--|--|
| Senior Vice President - Wireless and Access, Engineering Construction Operations | | | | | | |
| Effective Date: | 11/16/2018 | End Date: | 10/01/2019 | | | |
| | | | | | | |
| Senior Vice Preside | | _ | ons | | | |
| Effective Date: | 10/01/2019 | End Date: | | | | |
| Keith Korte | | | | | | |
| Senior Vice Preside | nt - Internet and E | ntertainment Field S | Services | | | |
| Effective Date: | 05/01/2017 | End Date: | 01/01/2019 | | | |
| | | | | | | |
| Senior Vice Preside | nt - Field Operatio | ns West | | | | |
| Effective Date: | 01/01/2019 | End Date: | | | | |
| | | | | | | |
| Stacey A. Marx | | | | | | |
| Senior Vice Preside | nt - Partner Solutio | ons, Commercial Di | V and Wholesale | | | |
| Effective Date: | 10/01/2019 | End Date: | | | | |
| | | | | | | |
| Stephen A. McGaw | | | | | | |
| Senior Vice Preside | Senior Vice President - Corporate Strategy and Development | | | | | |
| Effective Date: | 08/16/2017 | End Date: | | | | |
| | | | | | | |
| Roman Pacewicz | | | | | | |
| Senior Vice Preside | nt | | | | | |
| Effective Date: | 06/13/2017 | End Date: | | | | |
| | | | | | | |
| Alex Parker | | | | | | |
| Senior Vice Preside | nt - State, Local ar | nd Education | | | | |
| Effective Date: | 11/16/2017 | End Date: | | | | |
| | | | | | | |

| Jason C. Porter | | | | | |
|--|---------------------|-----------|------------|--|--|
| Senior Vice Preside | ent - AT&T FirstNet | | | | |
| Effective Date: | 09/16/2019 | End Date: | | | |
| Christopher Sambar | | | | | |
| Senior Vice Preside | ont - AT&T FirstNot | | | | |
| Effective Date: | | End Date: | 09/16/2019 | | |
| Ellective Date. | 03/10/2010 | End Date. | 09/10/2019 | | |
| J. Mark Schleyer | | | | | |
| Senior Vice Preside | ent - Corporate Rea | l Estate | | | |
| Effective Date: | 01/07/2010 | End Date: | | | |
| Paul W. Stephens | | | | | |
| Senior Vice Preside | nt Tax | | | | |
| | | | | | |
| Effective Date: | 10/01/2017 | End Date: | | | |
| Stephen Stine | | | | | |
| Senior Vice President and Chief Data Officer | | | | | |
| Effective Date: | 08/08/2017 | End Date: | | | |
| Jon Summers | | | | | |
| Senior Vice President and Chief Information and Data Officer | | | | | |
| | | | licer | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Joseph Tocco | | | | | |
| Senior Vice President and General Counsel | | | | | |
| Effective Date: | 08/16/2017 | End Date: | 04/01/2019 | | |
| | | | | | |

Solutions

10/01/2019

AT&T Corp.

| Christopher Penrose | | | | | |
|--|----------------------|--------------------------------|--|--|--|
| Senior Vice Preside | nt - Advanced Mol | bility and Enterprise Solution | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Senior Vice Preside | nt - Internet of Thi | ngs (loT) Solutions | | | |
| Effective Date: | 02/01/2016 | End Date: | | | |
| Pam Abel | | | | | |
| Vice President - Sale | es Operations and | Compensation | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Jace Barbin | | | | | |
| Vice President - Nat | ional Business - V | Vest | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Jim Bugel | | | | | |
| Vice President - Firs | tNet State Plans a | and Acquisitions | | | |
| Effective Date: | 04/01/2017 | End Date: | | | |
| Christina Costella | | | | | |
| Vice President - Nat | ional Business - E | ast | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| Alicia Dietsch | | | | | |
| Vice President - Small and Medium Business Channel Marketing | | | | | |
| Effective Date: | 02/15/2017 | End Date: | | | |
| Christopher Donan | | | | | |

Vice President - National Business - Central

Effective Date: 10/01/2019 End Date:

| Douglas H. Eichler | | |
|----------------------|---------------------|--|
| Vice President - Co | mmercial Sales | |
| Effective Date: | 10/01/2019 | End Date: |
| LaQuita C. Hall | | |
| Vice President - Glo | bal Public Sector | Solutions and Operations |
| Effective Date: | 04/16/2018 | End Date: |
| Shiraz Hasan | | |
| Vice President - Glo | bal Business and | Industry Solutions - Channel Marketing |
| Effective Date: | 07/01/2018 | End Date: |
| Matt Hickey | | |
| Vice President - Pul | blic Sector Channe | el Marketing |
| Effective Date: | 06/01/2017 | End Date: |
| Philip S. Hinson | | |
| Vice President - Nat | tional Business - T | echnical Sales |
| Effective Date: | 10/01/2019 | End Date: |
| Gary E. Johnson | | |
| Vice President - Tax | ¢ | |
| Effective Date: | 03/01/2019 | End Date: |
| Mo Katibeh | | |
| President - Chief Ma | arketing Officer | |
| Effective Date: | 08/01/2019 | End Date: |
| | | |

| Andrew B. Keiser | | | | | |
|--|--------------------|---------------|------------|--|--|
| Vice President and A | Assistant Treasure | er | | | |
| Effective Date: | 10/01/2019 | End Date: | | | |
| | | | | | |
| John R. Klebonis | | | | | |
| Vice President - Ser | vice Management | | | | |
| Effective Date: | 04/16/2018 | End Date: | 04/16/2019 | | |
| Vice President - Ser | vice Experience a | nd Operations | | | |
| Effective Date: | 03/01/2019 | End Date: | | | |
| | | | | | |
| Danessa K. Lambdin | | | | | |
| Vice President - Cyb | per Security | | | | |
| Effective Date: | 09/01/2017 | End Date: | 02/01/2019 | | |
| Vice President - Cus | tomer Success a | nd Operations | | | |
| Effective Date: | 02/01/2019 | End Date: | | | |
| Ken Lear | | | | | |
| | l Fatata Onavatia | | | | |
| Vice President - Rea | - | | | | |
| Effective Date: | 02/01/2018 | End Date: | | | |
| Kevin Leonard | | | | | |
| Vice President - Alternate Channels | | | | | |
| Effective Date: | 03/26/2009 | End Date: | | | |
| | | | | | |
| Thomas H. Lowe | | | | | |
| Vice President - Corporate Development | | | | | |
| Effective Date: | 06/16/2018 | End Date: | | | |

| Dav | David Matsushima | | | | |
|---|-------------------------|--------------------|-----------------|------------|--|
| | Vice President and As | sistant Secretary | | | |
| | Effective Date: | 06/16/2017 | End Date: | | |
| | | | | | |
| Ru | ss McFadden | | | | |
| | Vice President - Portfo | olio Management a | nd Transactions | | |
| | Effective Date: | 03/16/2015 | End Date: | | |
| | | | | | |
| Ste | ven D. Mitchell | | | | |
| | Vice President - State, | Local and Educat | tion - West | | |
| | Effective Date: | 10/01/2019 | End Date: | | |
| | | | | | |
| | Vice President - State, | | _ | | |
| | Effective Date: | 04/16/2018 | End Date: | 06/01/2019 | |
| | | | | | |
| Bri | an Paperny | | | | |
| | Vice President - Tax | | | | |
| | Effective Date: | 05/01/2016 | End Date: | | |
| | | | | | |
| Kal | pesh R. Patel | | | | |
| | Vice President - Corpo | orate Development | t | | |
| | Effective Date: | 06/16/2018 | End Date: | | |
| | | | | | |
| Rai | ndall Porter | | | | |
| Vice President - AT&T Partner Solutions | | | | | |
| | Effective Date: | 06/01/2015 | End Date: | 03/01/2019 | |
| | | | | | |
| | Vice President - Nation | nal Business - Sel | ect Accounts | | |
| | Effective Date: | 10/01/2019 | End Date: | | |
| | | | | | |

AT&T Corp.

Trish Renz

| Effective Date: | 10/01/2019 | End Date: |
|-----------------|------------|-----------|
|-----------------|------------|-----------|

Christopher T. Roy

| Vice President - Wholesale Solutions | | | |
|--------------------------------------|------------|-----------|--|
| Effective Date: | 10/01/2019 | End Date: | |

Joseph Schultz

Vice President - Business Solutions Digital Experience

| Effective Date: | 10/01/2019 | End Date: |
|-----------------|------------|-----------|
|-----------------|------------|-----------|

Jill A. Singer

| Vice President - Glob | al Public Sector | - National Security |
|-----------------------|------------------|---------------------|
| Effective Date: | 04/01/2017 | End Date: |

Robert Sloan

Vice President - AT&T FirstNet Chief Operating Officer

Effective Date: 04/01/2017 End Date:

Chris Smith

Vice President - Public Sector - Shared Services

Effective Date: 11/01/2017 End Date:

Emily L. Soelberg

| Vice President - Pro | duct Management, | Strategy and Chan | nel Enablement |
|----------------------|------------------|-------------------|----------------|
| Effective Date: | 07/01/2018 | End Date: | 10/01/2019 |

Vice President - IoT Product Management

Effective Date: 10/01/2019 End Date:

| Stephanie Strahl-Harge | ens | | |
|------------------------|-------------------|-------------------|------------|
| Vice President - Sma | ll and Medium Bu | siness Channel Ma | arketing |
| Effective Date: | 10/01/2019 | End Date: | |
| | | | |
| Austin Summerford | | | |
| Vice President - Corp | oorate Developme | nt | |
| Effective Date: | 06/16/2018 | End Date: | |
| Eric Weinbrom | | | |
| Vice President - Fina | nce | | |
| Effective Date: | 06/01/2011 | End Date: | |
| Chris Zpevak | | | |
| Vice President - Strat | tegic Execution O | ffice | |
| Effective Date: | 09/01/2017 | End Date: | |
| Jeston B. Dumas | | | |
| Chief Financial Office | er and Treasurer | | |
| Effective Date: | 10/01/2019 | End Date: | |
| Julianne K. Galloway | | | |
| Chief Financial Office | er and Treasurer | | |
| Effective Date: | 01/01/2017 | End Date: | 10/01/2019 |
| Wayne A. Wirtz | | | |
| Secretary | | | |
| Effective Date: | 11/18/2005 | End Date: | |

| Teresa G. Blizzard | | | |
|---------------------------------------|-------------|-----------|--|
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Wade Dahlman | | | |
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Brian V. Marler | | | |
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Gregory W. Nagrosst | | | |
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Fletcher Ricks | | | |
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Gary Voelkel | | | |
| Assistant Vice Pres | ident - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Bill Wehner | | | |
| Assistant Vice President - Accounting | | | |
| Effective Date: | 08/17/2018 | End Date: | |

| Michael Kay | | | |
|----------------------------|------------|-----------|--|
| Assistant Vice Presi | dent - Tax | | |
| Effective Date: | 10/04/2013 | End Date: | |
| Sherri L. Bazan | | | |
| Assistant Treasurer | | | |
| Effective Date: | 11/22/2013 | End Date: | |
| Terry Britt | | | |
| Assistant Secretary | - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| Karen Diorio | | | |
| Assistant Secretary | - Tax | | |
| Effective Date: | 03/01/2019 | End Date: | |
| William Fallica | | | |
| Assistant Secretary | - Security | | |
| Effective Date: | 01/16/2019 | End Date: | |
| Kenneth H. Gitter | | | |
| Assistant Secretary | | | |
| Effective Date: | 10/01/2018 | End Date: | |
| Don Harris | | | |
| | | | |
| Assistant Secretary - EH&S | | | |
| Effective Date: | 04/01/2017 | End Date: | |

| Wayne K. Johnson Assistant Treasurer | | |
|---|------------------|-----------------|
| Effective Date: | 09/01/2018 | End Date: |
| Frank J. Maxwell | | |
| Assistant Secretary - 1 | Tax | |
| Effective Date: | 03/01/2019 | End Date: |
| Stacy W. Roth | | |
| Assistant Treasurer | | |
| Effective Date: | 11/22/2013 | End Date: |
| Steven Shashack | | |
| Assistant Vice Preside | nt - Tax | |
| Effective Date: | 07/30/2012 | End Date: |
| Vivian Swierc | | |
| Assistant Secretary - 1 | ax | |
| Effective Date: | 03/01/2019 | End Date: |
| Marc Kron | | |
| Director Global Trade | Policies and Emp | owered Official |
| Effective Date: | 03/26/2012 | End Date: |
| Jason Bunch | | |
| Executive Director - Pa | ayroll | |
| Effective Date: | 07/01/2015 | End Date: |

| Rich Kurth | | | | |
|------------------------|--------------------|----------------|--|--|
| Executive Director - C | ustomer Contrac | ts | | |
| Effective Date: | 06/09/2008 | End Date: | | |
| | | | | |
| Sandy Markiewicz | | | | |
| Executive Director - C | ustomer Contrac | ts | | |
| Effective Date: | 06/09/2008 | End Date: | | |
| | | | | |
| Deborah R. Bierbaum | | | | |
| Assistant Secretary | | | | |
| Effective Date: | 06/16/2006 | End Date: | | |
| | | | | |
| Michael L. Bishop | | | | |
| Assistant Secretary | | | | |
| Effective Date: | 08/01/2019 | End Date: | | |
| | | | | |
| Michael R. Dacey | | | | |
| Assistant Secretary | | | | |
| Effective Date: | 10/17/1990 | End Date: | | |
| | | | | |
| David M. Eppsteiner | | | | |
| Assistant Secretary | | | | |
| Effective Date: | 06/09/2008 | End Date: | | |
| | | | | |
| Gregory D. Geis | | | | |
| Manager - Corporate I | Real Estate Portfo | lio Management | | |
| Effective Date: | 07/01/2019 | End Date: | | |

| Assistant Vice President - Tax Effective Date: 12/01/2014 End Date: 03/01/2019 | |
|---|--|
| Effective Date: 12/01/2014 End Date: 03/01/2019 | |
| | |
| | |
| Stephen J. Jones | |
| Assistant Secretary | |
| Effective Date: 07/01/2019 End Date: | |
| Lawrence J. Lafaro | |
| Assistant Secretary | |
| Effective Date: 10/17/1990 End Date: | |
| | |
| Elaine Lou | |
| Assistant Treasurer | |
| Effective Date: 01/07/2010 End Date: | |
| Deleree McCarty | |
| Delores McCarty | |
| Assistant Secretary | |
| Effective Date: 12/14/2011 End Date: | |
| Robert J. Murphy, Jr. | |
| Assistant Secretary | |
| Effective Date: 01/16/2011 End Date: | |
| | |
| Jeanette Napp | |
| Assistant Secretary | |
| Effective Date: 11/22/2013 End Date: | |

| Dean Peterson | | | |
|------------------------|---------------------|--------------|------------|
| Senior Portfolio Trans | action Manager | | |
| Effective Date: | 10/02/2018 | End Date: | |
| Joelle J Phillips | | | |
| Assistant Secretary | | | |
| Effective Date: | 12/04/2007 | End Date: | |
| Richard A. Rocchini | | | |
| Assistant Secretary | | | |
| Effective Date: | 06/16/1998 | End Date: | |
| Craig R. Semchyshyn | | | |
| Assistant Secretary | | | |
| Effective Date: | 01/16/2019 | End Date: | |
| Marilyn S. Spracker | | | |
| Assistant Secretary | | | |
| Effective Date: | 06/09/2008 | End Date: | |
| J. Stephen Sundby | | | |
| Director - Corporate R | eal Estate Portfoli | o Management | |
| Effective Date: | 10/02/2018 | End Date: | 07/01/2019 |
| James Talbot | | | |
| Assistant Secretary | | | |
| Effective Date: | 01/18/2008 | End Date: | |

| Michael M. Turbes | | | |
|---------------------|------------|-----------|------------|
| Assistant Secretary | | | |
| Effective Date: | 05/01/2018 | End Date: | 07/01/2019 |
| Richard G. Vartain | | | |
| Assistant Secretary | | | |
| Effective Date: | 08/17/2006 | End Date: | |
| Christopher Vrana | | | |
| Assistant Secretary | | | |
| Effective Date: | 06/20/2001 | End Date: | |
| Brad Walter | | | |
| Assistant Secretary | | | |
| Effective Date: | 06/09/2008 | End Date: | |
| Paul M. Wilson | | | |
| Assistant Secretary | | | |
| Effective Date: | 04/15/2009 | End Date: | |
| Teresa G. Blizzard | | | |
| Director - Tax | | | |
| Effective Date: | 02/20/2012 | End Date: | 03/01/2019 |
| Terry Britt | | | |
| Director - Tax | | | |
| Effective Date: | 02/20/2012 | End Date: | 03/01/2019 |

| Jeffrey Chambers Director - Tax Effective Date: | 07/01/2010 | End Date: | | | |
|---|------------|-----------|------------|--|--|
| Karen Diorio | | | | | |
| <i>Director - Tax</i> Effective Date: | 11/01/2009 | End Data: | 02/01/2010 | | |
| Ellective Date. | 11/01/2008 | End Date: | 03/01/2019 | | |
| Linda A. Fisher | | | | | |
| Director - Tax | | | | | |
| Effective Date: | 07/30/2012 | End Date: | 02/14/2019 | | |
| Judith L. Lagarde | | | | | |
| Director - Interconnection Agreements | | | | | |
| Effective Date: | 03/01/2011 | End Date: | | | |
| Anisa Latif | | | | | |
| Director - Regulatory | | | | | |
| Effective Date: | 08/17/2018 | End Date: | | | |
| Barbara Monte | | | | | |
| Director - Accounting | | | | | |
| Effective Date: | 08/17/2018 | End Date: | | | |
| | | | | | |
| Fletcher Ricks | | | | | |
| Director - Tax | | | | | |
| Effective Date: | 02/20/2012 | End Date: | 03/01/2019 | | |

| Deirdre Scott | | | |
|--------------------|------------|-----------|------------|
| Director - Payroll | | | |
| Effective Date: | 07/01/2015 | End Date: | |
| Vivian Swierc | | | |
| Director - Tax | | | |
| Effective Date: | 02/20/2012 | End Date: | 03/01/2019 |