Curriculum Vitae Lawrence J. Spiwak President PHOENIX CENTER FOR ADVANCED

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Lawrence J. Spiwak is President and co-founder of the Phoenix Center for Advanced Legal & Economic Public Policy Studies. The Phoenix Center is a non-profit 501(c)(3) organization that studies broad public-policy issues related to governance, social and economic conditions, with a particular emphasis on the law and economics of the digital age. Among other activities, the Phoenix Center publishes a Public Policy Paper Series, a Policy Bulletin Series and a Policy Perspectives Series, as well as its blog "@Lawandeconomics." In addition, the Phoenix Center sponsors Congressional briefings, webinars, Policy Roundtables, educational retreats, as well as its noted Annual U.S. Telecoms Symposium. As current U.S. Federal Communications Commission Chairman Ajit Pai observed, the Phoenix Center "offer[s] policymakers rigorous economic analysis and legal acumen second to none."

Mr. Spiwak is a prolific scholar and is currently listed among the top 1.4% of authors downloaded on the Social Science Research Network. Not only is Mr. Spiwak's research frequently cited by major news media and academic journals around the world, but his work is also frequently cited by policymakers, including members of the United States House of Representatives and Senate, the Federal Communications Commission, the Securities and Exchange Commission, the Federal Trade Commission, the United States Department of State, the United States Code Annotated, the Congressional Research Service, the Government Accountability Office, American Jurisprudence (2d), the International Telecommunication Union (ITU), and the Organisation for Economic Co-Operation and Development (OECD).

The United States Government has often called upon the Phoenix Center for its expertise and counsel. For example, Mr. Spiwak was selected by the FCC's Chairman's Office to participate in a trip to Southeast Asia in January 2007 as part of President Bush's Digital Freedom Initiative (DFI) to lecture about universal service and rural broadband deployment, and was again selected to participate in the State Department's West Africa ICT Road Map to Opportunities Conference in Moreover, the United States Department of Commerce, Technology Ghana in July 2008. Administration, provided support to the Phoenix Center to study the root causes of, and potential policy solutions for, the "Valley of Death" for technology development in the United States (the results of which were published in an academic journal). In 2012, the Phoenix Center concluded a project with USAID to assist the Government of Peru review potential telecommunications policy reforms (which was also eventually published in an academic journal), and in 2013 conducted a review of Thailand's market-based approach to spectrum allocation for APEC (again under the auspices of USAID). Foreign governments have also called upon the Phoenix Center for its expertise. For example, in 2009 the Phoenix Center completed a project for the Governments of Portugal and Brazil to develop a new "Broadband Adoption Index" for presentation before the OECD, a version of which was published in the FEDERAL COMMUNICATIONS LAW JOURNAL.

In addition to his academic lecturing and publishing schedule, Mr. Spiwak expresses his views and analysis of current market developments as a frequent commentator in such major outlets as THE HILL, BLOOMBERG LAW, REAL CLEAR POLICY, FOX NEWS, CNET.COM, ROLL CALL, the WASHINGTON TIMES, FORBES.COM and the LEGAL TIMES.

Mr. Spiwak has also filed amicus ("friend of the court") briefs in significant legal cases. For example, he filed an amicus brief in the D.C. Circuit in support of Respondents in *Mozilla v. FCC*, and filed an amicus brief with the United States Supreme Court in support of Petitioners for *writ of certiorari* in *SNR Wireless LicenseCo*, *LLC and Northstar Wireless*, *LLC*, *et al. v. Federal Communications Commission*. He also filed an amicus brief before the Court of Appeals for the Fourth District of Texas at San Antonio in the case of *Title Source*, *Inc.*, *V. HouseCanary Analytics*, *Inc.* on behalf of the Appellants. Most recently, Mr. Spiwak served as lead counsel for a collection of communications law scholars in an amicus brief in support of Plaintiffs' motions for preliminary injunction in *The United States of America v. The State of California*, *et al.* in the United States District Court for the Eastern District of California.

Mr. Spiwak also works hard to raise the level of the policy debate. For example, for the last seven years, Mr. Spiwak has served as the co-chair of the Federal Communications Bar Association's (FCBA) committee responsible for overseeing the FEDERAL COMMUNICATIONS LAW JOURNAL and supervising its peer review process. In 2012, Mr. Spiwak was awarded the FCBA's Distinguished Service Award by his peers for raising the scholarly quality of the JOURNAL. Moreover, Mr. Spiwak recently concluded serving a two-year term on the program committee of the Telecommunications Policy Research Conference ("TPRC"). Finally, Mr. Spiwak also currently serves on the Executive Committee for the Telecommunications & Electronic Media Practice Group Division of the Federalist Society.

Prior to joining the Phoenix Center, Mr. Spiwak was a Senior Attorney with the Competition Division in the FCC's Office of General Counsel from 1994-1998. While with the Competition Division, Mr. Spiwak provided the Commission and its individual bureaus with legal and economic advice regarding domestic and international inter-exchange, local exchange, delivered video programming, broadcast, wireless and satellite policies. During his tenure with the Competition Division, Mr. Spiwak was responsible for, among other things, co-authoring the FCC's original 1994 Cable Competition Report, providing the primary legal and economic analysis for the FCC's landmark decision to de-regulate AT&T and – given his substantial public (Senior Attorney, Federal Energy Regulatory Commission, 1992-1994) and private sector experience in the electric utility industry (including serving as the vice-chair of the Federal Energy Bar Association's antitrust committee between 1993 and 1994) – for drafting the FCC's rules regarding public utility entry into telecommunications and information services markets.

While in college, Mr. Spiwak was accepted into the Presidential Stay-In School program where he was responsible for delivering classified and confidential material among senior White House and Reagan Administration officials and received a full FBI security clearance.

Mr. Spiwak received his B.A. with special honors from the George Washington University in 1986 (Special Honors, Middle Eastern Studies) and his J.D. from the Benjamin N. Cardozo School of Law in 1989, where he was the international law editor of the Cardozo Moot Court Board and served on the National Moot Court Team.

Mr. Spiwak is a member in good standing of the bars of New York, Massachusetts, the District of Columbia, the U.S. Court of Appeals for the D.C. Circuit, and the Supreme Court of the United States.

Mr. Spiwak is a native of Washington, D.C. He, his wife and their daughter live in North Bethesda, MD.

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