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Jonathan Ray is the chief of analysis in the Special Programs Division of SOS International, a private government services integrator that works principally in the defense and intelligence sectors. Mr. Ray previously served as an associate deputy director at Defense Group Inc. He has led research on Chinese science and technology fields including semiconductors, hypersonic weapons, robotics, unmanned systems, nuclear weapons, and space military doctrine. Mr. Ray was the lead author of an October 2016 research report for the U.S.-China Economic and Security Review Commission entitled “China’s Industrial and Military Robotics Development.” Other recent publications include: the 2017 “Underpowered: Chinese Conventional and Nuclear Naval Power and Propulsion,” in *Chinese Naval Shipbuilding: An Ambitious and Uncertain Course*, the April 2016 “The Conceptual Evolution of China’s Military Space Operations and Strategy” book chapter in *China’s Evolving Military Strategy*, and the January 2015 “Red China’s “Capitalist Bomb”: Inside China’s Neutron Bomb Program” for *China Strategic Perspectives*.

He completed his B.A. at Cornell University, his M.A. at the Middlebury Institute of International Studies, and Chinese language training at Brigham Young University.

Mr. Ray has testified before the Commission previously, most recently in 2017 at the Commission’s hearing on China’s Pursuit of Next Frontier Tech: Computing, Robotics, and Biotechnology.