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## Space laser communication and our technologies

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### Abstract

Sony Computer Science Laboratories (Sony CSL) has been develop laser communication terminal jointly with NICT, University of Tokyo, NESTRA and SKY Perfect JSAT Corporation under sponsored research from Ministry of Internal Affairs and Communications and successfully launched on August 2nd, 2023 (JST) from wallops space launch site in VA, USA.

This laser communication terminal is the second space terminal of Sony CSL which is followed by SOLISS space laser communication terminal launch in 2019.

Sony CSL continues developing small laser communication terminals utilizing commercial technologies from Sony to be ready for current market requirements including productivity and reliability. In 2022, Sony Corporation of America, one of subsidiary company of Sony Group Corporation established Sony Space Communication Corporation in California, USA to launch space laser communication business. In this presentation, technologies inside our laser communication terminals, some of space projects and expected business will be discussed.