First Amendment to the Memorandum of Understanding

between

GPS Sciences and Application Research Centre of National Central University

No. 300, Zhongda Rd., Zhongli District, Taoyuan City 32001, Taiwan (R.O.C.)

and

Helmholtz-Zentrum Potsdam GFZ German Research Centre for Geosciences

Telegrafenberg, 14473 Potsdam, Germany

Performing Section: Section 1.1 GPS/Galileo Earth Observation

Signed on November 23rd, 2010

Whereas the Parties agreed in 2010 to enter in a Memorandum of Understanding to encourage further cooperation between German and Taiwanese research institutions for mutual interest and benefit for a period of five years the parties wish to extend the MoU for additional five years. All other provisions of the MoU shall remain in force,

Signatures:

Helmholtz-Centre Potsdam GFZ German The National Central University Research Centre for Geosciences

Prof. Dr. R. Huffi Dr. St. Schwartze

Ezacurive Doard

6 9. Sep. 2019