



CAMPBELL SCIENTIFIC, INC.

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EXHIBIT NO. 1

(a) Campbell Scientific, Inc. places a strong emphasis on customer support. We are requesting permission to transmit on the up-link frequency assigned to the ARGOS Satellite Network in order to fully support our ARGOS Data Collection Platform (DCP). As a Datalogger Manufacturer and ARGOS systems integrator, it is necessary to perform on-going product testing and customer trouble-shooting. Without this capability, the responsibility for these tasks falls upon our users who may not have the time, financial resources, or technical expertise to adequately complete these objectives.

The DCP consists of a Campbell Scientific Datalogger, Telonics Model ST-13 ARGOS Certified Transmitter, Enclosure and Solar Power Supply. The Microprocessor-based Datalogger is used to make environmental measurements such as air temperature, relative humidity, wind speed, wind direction, etc. The data is processed on-board the Datalogger and sent over a serial link to the ST-13's Data Buffer. The ST-13 then transmits data at predetermined intervals based on the current Datalogger program.

(b) Objectives

- Testing new Datalogger communications firmware for the DCP.
- Trouble shooting customer problems at the factory.
- On-going QC (Quality Check) for testing the ARGOS ST-13 Transmitter Mean Time Between Failures (MTBF), current drain and data integrity via the ARGOS Satellite Network.

As a Datalogger Manufacturer and ARGOS systems integrator it is necessary for Campbell Scientific to fully test a DCP "system" under several conditions:

(1) When a firmware update (i.e. new feature such as an updated wind vector instruction) in the Datalogger takes place that is requested by a user. Without testing the system at the factory first, a user will have to beta test the update which can be costly and time consuming. The end-user testing the firmware update in their system may not recognize if a problem exists in their raw data set collected from the satellite, whereas the testing engineer here at the factory would be able to detect it.

(2) If a user is having a problem with a DCP deployed in the field. By duplicating a problem at the factory with an identical hardware configuration as the user, we can expedite finding the problem and correcting it quickly. Hence the user will only have to visit the field site once to correct the problem, not twice.

(c) The ARGOS system has been in operation for many years now and has proven itself useful in environmental data collection applications where normal lines of communication are not practical or available. The purpose of this testing program is to both develop new and to improve existing DCP's and peripheral electronic equipment used in the ARGOS Data Collection System as well as for supporting existing users of Campbell Scientific ARGOS Data Collection Platforms.