

Issue Date: October 05, 2021

Revision Date: None

Mr. Dave Zendzian
OZTEK CORP.
11 Continental Blvd,
Merrimack, NH 03054
USA

Subject: Evidence of inverter support for IEEE 2030.5/Rule 21 CSIP Phase 2 and Phase 3 Function 1 and 8 Functionality

Dear Dave,

This letter confirms that Intertek Testing Services NA Inc. witnessed the Appendix C testing listed in Resolution E-5000 from the California Public Utilities Commission Draft dated July 11, 2019. The Resolution requires the verification of five tests cased for inverters that do not directly implement IEEE 2030.5 client functionality. During the test, the inverter is to be connected to a SunSpec Certified IEEE 2030.5/CSIP gateway. The five tests are listed below and specified in the SunSpec IEEE 2030.5/CSIP test procedures:

- Inverter Status (BASIC-028)
- Inverter Meter Reading (BASIC-029)
- Basic Inverter Control – Volt/Var (BASIC-006)
- Basic Inverter Control – Fixed Power Factor (BASIC-008)
- Basic Inverter Control – Volt-Watt (BASIC-011)

The tests were performed using OpenEGrid gateway device listed in Table 1 connected to the below Inverter manufacturer models listed in Table 2.

Inverter Manufacture:
Oztek Corp.
11 Continental Blvd,
Merrimack,
NH 03054
USA

Table 1: DER Aggregator Client Information

| Manufacturer | Product Name/Model# | Software File Name / Checksum |
|--------------|---------------------|---|
| OpenEGrid | OEG-SSC-CAR21 | liboeg2030api.a / a79a17cbeeca66f9c6a2b1bb947aede7 |

Table 2: Inverter Models Information

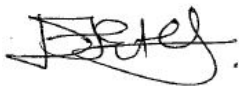
| Inverter Manufacturer | Inverter Model# | EUT Serial# | Date Tested / Comments |
|-----------------------|--|-------------|------------------------|
| Oztek Corp. | OZPCS-RS40; followed by -F or -B; followed by two numbers. | S00298 | 8/2/2021 to 8/12/2021 |

The inverter under test was subjected to testing conditions as follows:

- The inverter was operating during test harness verification procedure
- The OpenEGrid. IEEE2030.5 DER Aggregator Client listed in Table 1 was given stimuli in the form of IEEE 2030.5 commands (Inverter Status, Inverter Meter Reading, Volt/VAR, Fixed Power Factor, and Volt/Watt) sent from an IEEE 2030.5 server that were subsequently translated to signals understood by the inverter.
- The inverter parameters were verified: a) to change during the test cases for Volt-VAR, Fixed Power Factor, and Volt-Watt and b) report monitored data during the test cases for Inverter Status and Inverter Meter Reading. Based on this procedure, the requirements from Appendix C of the resolution were verified.

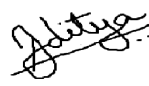
Very truly yours,

Tested By,



Dishant Patel
Project Engineer
Intertek Testing Services NA Inc.

Approved By,



Aditya Iyer
Reviewer
Intertek Testing Services NA Inc.

REPORT REVISIONS

| Date/ Proj.# | Project Handler/ Reviewer | Description of Change |
|-----------------|------------------------------|-----------------------|
| | | None |