

CERTIFICATE OF ACCEPTANCE

MECH-14A

NA7.5.13 Distributed Energy Storage DX AC Systems Acceptance

(Page 1 of 3)

Project Name/Address:

System Name or Identification/Tag:

System Location or Area Served:

Enforcement Agency:

Permit Number:

Note: Submit one Certificate of Acceptance for each system that must demonstrate compliance.

Enforcement Agency Use: Checked by/Date

FIELD TECHNICIAN'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.
- I am the person who performed the acceptance requirements verification reported on this Certificate of Acceptance (Field Technician).
- I certify that the construction/installation identified on this form complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.

Company Name:

Field Technician's Name:

Field Technician's Signature:

Date Signed:

Position With Company (Title):

RESPONSIBLE PERSON'S DECLARATION STATEMENT

- I certify under penalty of perjury, under the laws of the State of California, that I am the Field Technician, or the Field Technician is acting on my behalf as my employee or my agent and I have reviewed the information provided on this form.
- I am a licensed contractor, architect, or engineer, who is eligible under Division 3 of the Business and Professions Code, in the applicable classification, to take responsibility for the scope of work specified on this document and attest to the declarations in this statement (responsible person).
- I certify that the information provided on this form substantiates that the construction/installation identified on this form complies with the acceptance requirements indicated in the plans and specifications approved by the enforcement agency, and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7.
- I have confirmed that the Installation Certificate(s) for the construction/installation identified on this form has been completed and is posted or made available with the building permit(s) issued for the building.
- I will ensure that a completed, signed copy of this Certificate of Acceptance shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Acceptance is required to be included with the documentation the builder provides to the building owner at occupancy.

Company Name:

Phone:

Responsible Person's Name:

Responsible Person's Signature:

License:

Date Signed:

Position With Company (Title):

Project Name/Address:

System Name or Identification/Tag:

System Location or Area Served:

Intent: *Verify proper operation of distributed energy storage DX systems.*

Construction Inspection

- 1 Instrumentation to perform test includes, but not limited to:
 - a. No special instrumentation is required to perform these tests.
- 2 Installation
 Prior to Performance Testing, verify and document the following:
 - The water tank is filled to the proper level
 - The water tank is sitting on a foundation with adequate structural strength
 - The water tank is insulated and the top cover is in place
 - The DES/DXAC is installed correctly (refrigerant piping, etc.)
 - Verify that the correct model number is installed and configured

A. Functional Testing

Results

Step 1: Simulate no cooling load during a nighttime period by setting system time to between 9PM and 6AM. Raise the space temperature setpoint above the current space temperature. Verify and document the following:

- | | |
|---|-------|
| a. The system charges the tank. | Y / N |
| b. The system does not provide cooling to the building. | Y / N |

Step 2: Simulate cooling load during daytime period (e.g. by setting time schedule to include actual time and placing thermostat cooling set-point below actual temperature). Verify and document the following:

- | | |
|---|------------|
| a. Supply fan operates continually during occupied hours. | Y / N |
| b. If the DES/DXAC has cooling capacity, DES/DXAC runs to meet the cooling demand (in ice melt mode) | Y / N / NA |
| c. If the DES/DXAC has no ice and there is a call for cooling, the DES/DXAC runs in direct cooling mode | Y / N / NA |

Step 3: Simulate no cooling load during daytime condition. Verify and document the following:

- | | |
|---|-------|
| a. Supply fan operates as per the facility thermostat or control system | Y / N |
| b. The DES/DXAC and the condensing unit do not run | Y / N |

Step 4: Simulate no cooling load during morning shoulder time period. Verify and document the following:

- | | |
|---|-------|
| a. The DES/DXAC is idle (the condensing unit and the refrigerant pumps remain off). | Y / N |
|---|-------|

Step 5: Simulate a cooling load during morning shoulder time period. Verify and document the following:

- | | |
|--|-------|
| a. The DES/DXAC runs in direct cooling mode (the compressor operates to cool the space). | Y / N |
|--|-------|

B. Calibrating Controls

Results

- | | |
|--|-------|
| a. Verify that you are able to set the proper time and date, as per manufacturer's installation manual for approved installers | Y / N |
|--|-------|

C. Testing Results

PASS / FAIL

Test passes if all answers are yes under Functional Testing and Calibrating Controls .	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	PASS: All Construction Inspection responses are complete and all Testing Results responses are "Pass"
<input type="checkbox"/>	FAIL: Any Construction Inspection responses are incomplete <i>OR</i> there is one or more "Fail" responses in Testing Results section. Provide explanation below. Use and attach additional pages if necessary.