DOCKETED	
Docket Number:	18-BSTD-02
Project Title:	2019 ENERGY CODE COMPLIANCE MANUALS
TN #:	232779-5
Document Title:	2019-CF3R-MCH-26-RatedSystemVerificationpdf
Description:	N/A
Filer:	Corrine Fishman
Organization:	California Energy Commission
Submitter Role:	Public Agency
Submission Date:	4/20/2020 9:09:36 AM
Docketed Date:	4/20/2020

# RATED SPACE CONDITIONING SYSTEM EQUIPMENT VERIFICATION

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CERTIFICATE OF VERIFICATION		CF3R-MCH-26-H
Rated Space Conditioning System Equipment Verification		(Page 1 of 4)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

A. S	ystem Information						
Proc	Procedures for verification of High SEER and EER Equipment are described in Reference Appendix RA3.4. Each HVAC system requiring verification						
must	use a separate form.						
01	Space Conditioning System Identification or Name						
02	Space Conditioning System Description of Area Served						
03	Indoor Unit Name						
04	Status: SEER Performance Compliance Credit Check						
05	Status: EER Performance Compliance Credit Check						
06	Status: Heat Pump Heating Output Performance Compliance						
- 00	Check	. 0					
07	Directory Used to Certify Product Performance						
08	AHRI Certification Number for the Installed Space Conditioning						
- 08	System from <a href="http://www.ahridirectory.org">http://www.ahridirectory.org</a>						
09	Does the directory used to certify product performance require						
03	a specific air handler, furnace or fan coil make and model?						
10	Does the directory used to certify product performance require	CO. " MA					
10	a time delay relay (+TDR)?						
11	Does the directory used to certify product performance require	~2 ~0					
11	a TXV (+TXV)?						

## B. Rated Space Conditioning System Equipment Verification from Nameplate

The data on the nameplate of the installed component shall conform to the data for the component as shown in the Directory used to certify product performance in order to demonstrate compliance.

01	02	03	Data from nameplate of installed system component					
01	02	03	04	05	06	07	08	09
			Outdoor	~ / /	% (			
		Indoor Unit	Condenser or	Outdoor	. 17		Air Handler,	
	SC System	Name or	Package Unit -	Condenser or	Inside Unit -		Furnace or Fan	Air Handler,
	Description	Description	Installed	Package Unit -	Installed	Inside Unit -	Coil - Installed	Furnace or Fan
SC System	of Area	of Area	Manufacturer	Installed Model	Manufacturer	Installed Model	Manufacturer	Coil - Installed
ID/Name	Served	Served	Name	Number	Name	Number	Name	Model Number
	* O	-		-	•			_

# C. Rated Space Conditioning System Equipment Verification from Directory

The data on the nameplate of the installed component shall conform to the data for the component as shown in the Directory used to certify product performance in order to demonstrate compliance.

01	02	03	Data from	Data from the directory used to certify product performance for the rated system component				
01 02	02	02 03	04	05	06	07	08	09
1	1.		Outdoor					
-01	. 7	Indoor Unit	Condenser or	Outdoor			Air Handler,	
01,	SC System	Name or	Package Unit -	Condenser or	Inside Unit -		Furnace or Fan	Air Handler,
	Description	Description	Installed	Package Unit -	Installed	Inside Unit -	Coil - Installed	Furnace or Fan
SC System	of Area	of Area	Manufacturer	Installed Model	Manufacturer	Installed Model	Manufacturer	Coil - Installed
ID/Name	Served	Served	Name	Number	Name	Number	Name	Model Number
							·	·
					•			

D. V	D. Verified Cooling System SEER					
01	Required Minimum SEER					
02	Installed SEER					
03	Compliance Statement:					
Signa	Signature by responsible party below certifies that the installed cooling equipment meets or exceeds the required value listed on the CF2R.					

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Rate	d Space Conditioning System Equipment Verification	on	(Page 2 of 4)
Project	Name:	Enforcement Agency:	Permit Number:
Dwellin	g Address:	City:	Zip Code:
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	15.1.2.11		
	rified Cooling System EER		
01	Required Minimum EER		
02	Installed EER		
03	Compliance Statement:		
Signa	ture by responsible party below certifies that the instal	lled cooling equipment meets or exceeds	the required value listed on the CF2R.
F. Ve	rified Heat Pump Heating Output		
01	Required Heating BTU Output at 47 Degrees F		
02	Installed Heating BTU Output at 47 Degrees F		. 01
03	Required Heating Output at 17 Degrees F		*/0
04	Installed Heating Output at 17 Degrees F		0
05	Compliance Statement:		200
Signa	ture by responsible party below certifies that the instal	led heat pump equipment meets or exce	eds the required value listed on the

G. V	G. Verified Space Conditioning System Air Handler, Furnace or Fan Coil				
01	If a specific air handler, furnace or fan coil is required by the directory used to certify product performance, the responsible party certifies by signing below that the installed air handler/furnace matches the equipment on the AHRI Certificate.				
	by signing below that the instance of	iii iidiidici			
	Verification Status:		Pass - all applicable requirements are met; or		
			Fail - one or more applicable requirements are not met. Enter reason for failure in		
02			corrections notes field below; or		
			All N/A - This entire table is not applicable		
03	03 Correction Notes:				
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met unless					
othe	rwise noted in the Verification Statu	s and the	Corrections Notes in this table.		

H. V	H. Verified Space Conditioning System Time Delay Relay					
01	If a Time Delay Relay is required by the directory used to certify product performance, the responsible party certifies by signing below that the Time Delay Relay is installed and has been tested to operate correctly according to the protocols of RA3.4.3.					
02	Verification Status:	<ul> <li>Pass - all applicable requirements are met; or</li> <li>Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or</li> <li>All N/A - This entire table is not applicable</li> </ul>				
03	03 Correction Notes:					
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met unless						
othe	otherwise noted in the Verification Status and the Corrections Notes in this table.					

I. Ve	erified Space Conditioning System	TXV				
01	If a TXV is required by the directory used to certify product performance, the responsible party certifies by signing below that the TXV is properly installed and has been visually verified, including proper placement of sensing bulb.					
0		<ul> <li>Pass - all applicable requirements are met; or</li> </ul>				
02	Verification Status:	<ul> <li><u>Fail</u> - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or</li> </ul>				
		☐ <u>All N/A</u> - This entire table is not applicable				
03	03 Correction Notes:					
The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met unless						

otherwise noted in the Verification Status and the Corrections Notes in this table.

STATE OF CALIFORNIA

### RATED SPACE CONDITIONING SYSTEM EQUIPMENT VERIFICATION

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CERTIFICATE OF VERIFICATION		CF3R-MCH-26-H
Rated Space Conditioning System Equipment Verification		(Page 3 of 4)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

J. Determination of HERS Verification Complian	ıce
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All applicable sections of this document shall indicate compliance with the specified verification protocol requirements in order for this Certificate of Verification as a whole to be determined to be in compliance. For information and data collection and data collection only. Not valid until registered with a only.

STATE OF CALIFORNIA

# RATED SPACE CONDITIONING SYSTEM EQUIPMENT VERIFICATION

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CEC-CF3R-MCH-26-H (Revised 01/19)

CERTIFICATE OF VERIFICATION

CF3R-MCH-26

CF3R-MCH-26

CERTIFICATE OF VERIFICATION		CF3R-MCH-26-H
Rated Space Conditioning System Equipment Verification		(Page 4 of 4)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Verification documentation is accurat	e and complete.
Documentation Author Name:	Documentation Author Signature:
Company:	Date Signed:
Address:	CEA/HERS Certification Information (if applicable):
City/State/Zip:	Phone:
RESPONSIBLE PERSON'S DECLARATION STATEMENT	*10
<ol> <li>The installed features, materials, components, manufactured device verification identified on this Certificate of Verification comply with the requirements specified on the Certificate of Compliance for the The information reported on applicable sections of the Certificated responsible for the construction or installation conforms to the recapproved by the enforcement agency.</li> <li>I will ensure that a registered copy of this Certificate of Verification for the building, and made available to the enforcement agency for</li> </ol>	and correct.  ified and reported on this Certificate of Verification (responsible rater).  ces, or system performance diagnostic results that require HERS  in the applicable requirements in Reference Appendices RA2, RA3, and  be building approved by the enforcement agency.  (s) of Installation (CF2R) signed and submitted by the person(s)
BUILDER OR INSTALLER INFORMATION AS SHOWN ON THE CERTIFICAT	TE OF INSTALLATION
Company Name (Installing Subcontractor, General Contractor, or Builder/Owner):	10,16,
Responsible Builder or Installer Name:	CSLB License:
HERS PROVIDER DATA REGISTRY INFORMATION	21.
Sample Group Number (if applicable):	Dwelling Test Status in Sample Group (if applicable):
HERS RATER INFORMATION	0,
HERS Rater Company Name:	
Responsible Rater Name:	Responsible Rater Signature:

Date Signed:

Responsible Rater Certification Number w/ this HERS Provider:

#### CF3R-MCH-26-H User Instructions

#### **Section A. System Information**

- 1. System Name or Identification/Tag: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 2. System Location or Area Served: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 3. Indoor Unit Name: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 4. Status: SEER performance compliance credit check: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 5. Status: EER performance compliance credit check: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 6. Status: Heat Pump Heating Output Performance Compliance Check: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 7. Directory Used to Certify Product Performance: User to select from dropdown list the certification data base used to document equipment efficiency. Choices are AHRI, CEC and DOE.
- 8. AHRI Certification Number for the Installed Space Conditioning System: If the directory used is not AHRI, "N/A" will automatically be entered. Otherwise, enter the complete AHRI Certification Number for the Installed Space Conditioning System. This number represents a specific piece of equipment (e.g., package units) or combination of equipment (e.g., split systems) that must match the installed equipment.
- 9. Does the directory used to certify product performance require a specific air handler, furnace or fan coil make and model?: If not using AHRI, user has the option to select "N/A." Note that when using AHRI, this does not apply to package units. Sometimes, for split systems, a specific model air handler/furnace will be called out in addition to the condenser and coil. When it is, it must be installed and verified for the AHRI certificate to be valid for the installed system. Sometimes, the AHRI certificate only calls out the condenser and coil model numbers. In this case the furnace make/model need not be verified. If not, select "No".
- 10. Does the directory used to certify product performance require a time delay relay (+TDR)?: If not using AHRI, user has the option to select "N/A." If the AHRI certificate specifies that a TDR was on the system when it was tested, then the TDR is required for the system to achieve its certified efficiency and it must be verified. If not, select "No". The indication for a TDR usually consists of a "+TDR" at the end of the model number. Sometimes it may just be a "+D" (delay).
- 11. Does the directory used to certify product performance require a TXV (+TXV)?: If not using AHRI, user has the option to select "N/A." If the AHRI certificate specifies that a TXV was on the system when it was tested, then the TXV is required for the system to achieve its certified efficiency and it must be verified. If not, select "No". The indication for a TXV usually consists of a "+TXV" at the end of the model number. Sometimes it may just be a "+V" (valve).

#### Section B. Rated Space Conditioning System Equipment Verification from Nameplate

- 1. System Name or Identification/Tag: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 2. System Location or Area Served: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 3. Indoor unit Name: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 4. Outdoor Condenser or Package Unit Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 5. Outdoor Condenser or Package Unit Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 6. Inside Coil Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 7. Inside Coil Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document. For systems where there is no separate inside coil "N/A" will be automatically entered.
- 8. Air Handler, Furnace or Fan Coil Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.

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9. Air Handler, Furnace or Fan Coil - Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document

#### Section C. Rated Space Conditioning System Equipment Verification from Directory

- 1. System Name or Identification/Tag: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 2. System Location or Area Served: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 3. Indoor unit Name: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 4. Outdoor Condenser or Package Unit Installed Manufacturer Name, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer's name for the condenser as it appears in the Directory. For Package units, this will be the only Manufacturer's name.
- 5. Outdoor Condenser or Package Unit Installed Model Number, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer's model number for the condenser as it appears in the Directory. For Package units, this will be the only model number required.
- 6. Inside Coil Installed Manufacturer Name, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer's name for the inside coil (aka, indoor coil, evaporator coil) as it appears in the Directory. For system types that don't have separate inside coils or if the directory rating does not include this information, like package units, fan coil units and multi-split variable capacity heat pumps, user may enter "N/A".
- 7. Inside Coil Installed Model Number, Data from the Directory used to certify the rated system component: Enter the Manufacturer's model number for the inside coil (aka, indoor coil, evaporator coil) as it appears in the Directory. For system types that don't have separate inside coils or if the directory rating does not include this information (package units, fan coil units, multi-split variable capacity heat pumps), user may enter "N/A".
- 8. Air Handler, Furnace or Fan Coil Installed Manufacturer Name, Data from the directory used to certify product performance for the rated system component: If not using AHRI, user has the option to select "N/A." Enter the Manufacturer's name for the air handler/furnace as it appears in the directory. For package units there is no separate air handler, so enter "N/A". Also enter "N/A" if a specific furnace or air handler is not called out in the directory, as indicated in Section A, above.
- 9. Air Handler, Furnace or Fan Coil Installed Model Number, Data from the directory used to certify product performance for the rated system component: If not using AHRI, user has the option to select "N/A". Enter the Manufacturer's model number for the air handler/furnace as it appears in the directory. For package units there is no separate air handler, so enter "N/A". Also enter "N/A" if a specific furnace or air handler is not called out in the directory, as indicated in Section A, above.

#### Section D. Verified Cooling System SEER

- 1. Required Minimum SEER: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 2. Installed SEER: Enter the exact SEER value shown in the Directory used to certify the equipment shown in Section B, above.
- 3. Compliance Statement: This field is filled out automatically. Compliance requires that the installed SEER meet the required minimum SEER.

#### **Section E. Verified Cooling System EER**

- 1. Required Minimum EER: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
- 2. Installed EER: Enter the exact EER value shown in the Directory used to certify for the equipment shown in Section B, above.
- 3. Compliance Statement: This field is filled out automatically. Compliance requires that the installed EER meet the required minimum EER

#### Section F. Verified Cooling System Air Handler/Furnace

- 1. This statement must be true for the system to comply.
- 2. Verification Status: Select the appropriate choice from the following list:
  - a. Select "Pass" if the installed air handler/furnace matches the air handler/furnace on the AHRI certificate.
  - b. Select "Fail" if the installed air handler/furnace does not match the air handler/furnace on the AHRI certificate. You will be required to enter an explanation in the notes section below.
  - c. Select "N/A" if this section does not apply.
- 3. Correction Notes: If "Fail" is selected in the previous row, indicate specifically why in this section.

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#### Section G. Verified Cooling System Time Delay Relay

- This statement must be true for the system to comply.
- Verification Status: Select the appropriate choice from the following list:
  - a. Select "Pass" if the installed has a time delay relay that meets the verification requirements of RA3.4.3.
  - b. Select "Fail" if the installed system does not meet the verification requirements of RA3.4.3.
  - c. Select "N/A" if this section does not apply.
- 3. Correction Notes: If "Fail" is selected in the previous row, indicate specifically why in this section.

#### **Section H. Verified Cooling System TXV**

- This statement must be true for the system to comply.
- Verification Status: Select the appropriate choice from the following list:
  - a. Select "Pass" if the installed has a TXV installed.
- ..cally why in this section.