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| **A. System Information**  *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 | Status: SEER Performance Compliance Credit Check |  |
| 04 | Status: EER Performance Compliance Credit Check |  |
| 05 | Status: Heat Pump Heating Output Performance Compliance Check |  |
| 06 | Status: HSPF Performance Compliance Credit Check |  |
| 07 | Directory Used to Certify Product Performance |  |
| 08 | AHRI Certification Number for the Installed Space Conditioning System from <http://www.ahridirectory.org> |  |
| 09 | Does the directory used to certify product performance require a specific air handler, furnace or fan coil make and model? |  |
| 10 | Does the directory used to certify product performance require a time delay relay (+TDR)? |  |
| 11 | Does the directory used to certify product performance require a TXV (+TXV)? |  |

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| **B. Rated Space Conditioning System Equipment Information from Nameplate of the Installed System**  *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 | 04 | Data from nameplate of installed system component | | | | | |
| 05 | 06 | 07 | 08 | 09 | 10 |
| SC System ID/Name from CF1R | SC System Description of Area Served | Indoor Unit Name or Description of Area Served | Installed Indoor Unit Type | Outdoor Condenser or Package Unit - Installed Manufacturer Name | Outdoor Condenser or Package Unit - Installed Model Number | Indoor Unit - Installed Manufacturer Name | Indoor Unit - Installed Model Number | Installed Furnace Manufacturer Name | Installed  Furnace  Model  Number |
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| **C. Rated Space Conditioning System Equipment Information from Directory of Certified Product Performance**  *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 | 04 | Data from the directory used to certify product performance for the rated system component | | | | | |
| 05 | 06 | 07 | 08 | 09 | 10 |
| SC System ID/Name from CF1R | SC System Description of Area Served | Indoor Unit Name or Description of Area Served | Installed Indoor Unit Type | Outdoor Condenser or Package Unit - Installed Manufacturer Name | Outdoor Condenser or Package Unit - Installed Model Number | Indoor Unit - Installed Manufacturer Name | Indoor Unit - Installed Model Number | Installed Furnace Manufacturer Name | Installed  Furnace  Model Number |
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| **D. Verified Cooling System SEER** | | |
| 01 | Required Minimum SEER |  |
| 02 | Installed SEER |  |
| 03 | Compliance Statement: |  |
| **Signature by responsible person on this compliance document certifies that the installed cooling equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **E. Verified Cooling System EER** | | |
| 01 | Required Minimum EER |  |
| 02 | Installed EER |  |
| 03 | Compliance Statement: |  |
| **Signature by responsible person on this compliance document certifies that the installed cooling equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **F. Verified Heat Pump Heating Output** | | |
| 01 | Required Heating BTU Output at 47 Degrees F |  |
| 02 | Installed Heating BTU Output at 47 Degrees F |  |
| 03 | Required Heating Output at 17 Degrees F |  |
| 04 | Installed Heating Output at 17 Degrees F |  |
| 05 | Compliance Statement: |  |
| **Signature by responsible person on this compliance document certifies that the installed heat pump equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **G. Verified Heat Pump HSPF** | | |
| 01 | Required Minimum HSPF |  |
| 02 | Installed HSPF |  |
| 03 | Compliance Statement: |  |
| **Signature by responsible person on this compliance document certifies that the installed heat pump equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **H. 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 person certifies by signing this compliance document that the installed air handler/furnace matches the equipment specified by the Directory of Certified Performance. | |
| 02 | Verification Status: | * Pass - all applicable requirements are met; or * Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or * All N/A - This entire table is not applicable |
| 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.** | | |

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| **I. Verified Space Conditioning System Time Delay Relay** | | |
| 01 | If a Time Delay Relay is specified by the Directory of Certified Product Performance, the responsible person certifies by signing this compliance documentthat the Time Delay Relay is installed and has been tested to operate correctly according to the protocols of RA3.4.3. | |
| 02 | Verification Status: | * Pass - all applicable requirements are met; or * Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or * All N/A - This entire table is not applicable |
| 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.** | | |



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| **J. Determination of HERS Verification Compliance**  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. | |
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| **Documentation Author's Declaration Statement** | | | |
| 1. I certify that this Certificate of Verification documentation is accurate 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** | | | |
| I certify the following under penalty of perjury, under the laws of the State of California:   1. The information provided on this Certificate of Verification is true and correct. 2. I am the certified HERS Rater who performed the verification identified and reported on this Certificate of Verification (responsible rater). 3. The installed features, materials, components, manufactured devices, or system performance diagnostic results that require HERS verification identified on this Certificate of Verification comply with the applicable requirements in Reference Appendices RA2, RA3, and the requirements specified on the Certificate of Compliance for the building approved by the enforcement agency. 4. The information reported on applicable sections of the Certificate(s) of Installation (CF2R) signed and submitted by the person(s) responsible for the construction or installation conforms to the requirements specified on the Certificate(s) of Compliance (CF1R) approved by the enforcement agency. 5. I will ensure that a registered copy of this Certificate of Verification 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 registered copy of this Certificate of Verification is required to be included with the documentation the builder provides to the building owner at occupancy. | | | |
| **BUILDER OR INSTALLER INFORMATION AS SHOWN ON THE CERTIFICATE OF INSTALLATION** | | | |
| Company Name (Installing Subcontractor, General Contractor, or Builder/Owner): | | | |
| Responsible Builder or Installer Name: | | CSLB License: | |
| **HERS PROVIDER DATA REGISTRY INFORMATION** | | | |
| Sample Group Number (if applicable): | | | Dwelling Test Status in Sample Group (if applicable): |
| **HERS RATER INFORMATION** | | | |
| HERS Rater Company Name: | | | |
| Responsible Rater Name: | | | Responsible Rater Signature: |
| Responsible Rater Certification Number w/ this HERS Provider: | | | Date Signed: |

**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. Status: SEER performance compliance credit check: This field is filled out automatically. It is referenced from the CF1R.
4. 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.
5. 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.
6. Status: HSPF performance compliance credit check: This field is filled out automatically. It is referenced from the CF1R.
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. Installed Indoor unit type is automatically filled out.
5. 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.
6. 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.
7. Indoor 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.
8. Indoor 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.
9. Installed Furnace 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.
10. InstalledFurnace 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. Installed Indoor unit type is automatically filled out.
5. 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.
6. 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.
7. Indoor 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”.
8. Indoor 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”.
9. Installed Furnace 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.
10. Installed Furnace 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 A, 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 A, above.
3. Compliance Statement: This field is filled out automatically. Compliance requires that the installed EER meet the required minimum EER

**Section F. Verified Heat Pump Heating Output**

1. Required Heating BTU Output at 47 Degrees F: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
2. Installed Heating BTU Output at 47 Degrees F: Enter the exact Heating BTU Output at 47 Degrees F value shown on in the Directory used to certify the equipment shown in Section A, above.
3. Required Heating BTU Output at 17 Degrees F: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
4. Installed Heating BTU Output at 17 Degrees F: Enter the exact Heating BTU Output at 17 Degrees F value shown on in the Directory used to certify the equipment shown in Section A, above. N/A entry is allowed if heat pump system output is not rated at 17 degrees F in any directory
5. Compliance Statement: This field is filled out automatically. If both rating points are available compliance requires that the installed Heating BTU Output at 47 Degrees and Heating BTU Output at 17 Degrees meet the required minimum from CF2R-MCH-01 or if the high temperature is available compliance requires that the installed Heating BTU Output at 47 Degrees meet the required minimum from CF2R-MCH-01.

**Section G. Verified Heat Pump System HSPF**

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

**Section H. 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:
   1. Select “Pass” if the installed air handler/furnace matches the air handler/furnace on the AHRI certificate.
   2. 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.
   3. Select “N/A” if this section does not apply.

Correction Notes: If “Fail” is selected in the previous row, indicate specifically why in this section

**Section I. Verified Cooling System Time Delay Relay**

1. This statement must be true for the system to comply.
2. Verification Status: Select the appropriate choice from the following list:
   1. Select “Pass” if the installed has a time delay relay that meets the verification requirements of RA3.4.3.
   2. Select “Fail” if the installed system does not meet the verification requirements of RA3.4.3.
   3. 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 J. Determination of HERS Verification Compliance**

1. Compliance Statement: This field is filled out automatically..

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| **A. System Information**  *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 | <<auto filled text: referenced from CF2R-MCH-01>> |
| 02 | Space Conditioning System Description of Area Served | << auto filled text: referenced from CF2R-MCH-01>> |
| 03 | Status: SEER Performance Compliance Credit Check | <<calculated field: referenced from CF2R, allowed values: Yes or No>> |
| 04 | Status: EER Performance Compliance Credit Check | <<calculated field: referenced from CF2R, allowed values: Yes or No>> |
| 05 | Status: Heat Pump Heating Output Performance Compliance Check | <<calculated field: referenced from CF2R, allowed values: Yes or No>> |
| 06 | Status: HSPF Performance Compliance Credit Check | <<calculated field: referenced from CF2R, allowed values: Yes or No>> |
| 07 | Directory Used to Certify Product Performance | <<user input, pull down list: AHRI, CEC, or DOE>> |
| 08 | AHRI Certification Number for the Installed Space Conditioning System from <http://www.ahridirectory.org>: | << if “Directory Used to Certify Product Performance”(A07) contains CEC or DOE result equals NA; else user input: numeric>> |
| 09 | Does the directory used to certify product performance require a specific air handler/furnace make and model? | <<user pick one value from the following four:  1:[furnace air-handling unit]  2:[fancoil air-handling unit]  3:[non-furnace air-handling unit],  4:[no]>> |
| 10 | Does the directory used to certify product performance require a time delay relay (+TDR)? | <<user selected, Yes or No based on information from Certification Directory or documentation, allow N/A entry if “Directory Used to Certify Product Performance”(A07) = CEC or DOE >> |
| 11 | Does the directory used to certify product performance require a TXV (+TXV)? | <<user selected, Yes or No based on information from Certification Directory or documentation, allow N/A entry if “Directory Used to Certify Product Performance”(A07) = CEC or DOE >> |

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| **B. Rated Space Conditioning System Equipment Information from Nameplate of the Installed System**  *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.*  <<**if** a value=yes is given in one or more of the following 3 locations: A03, A04, A05, **then** enter one row of data in this table for each indoor unit listed on the MCH-01 if applicable, otherwise enter one row of data for a packaged unit on the MCH-01. note: reference applicable values as follows:  \*\*G03 on MCH-01a for split systems,  \*\*H03 on MCH-01d for split systems,  \*\*J03 on MCH-01a for packaged systems,  \*\*either K03 or L03 on MCH-01d for packaged systems>> | | | | | | | | | |
| 01 | 02 | 03 | 04 | Data from nameplate of installed system component | | | | | |
| 05 | 06 | 07 | 08 | 09 | 10 |
| SC System ID/Name from CF1R | SC System Description of Area Served | Indoor Unit Name or Description of Area Served | Installed Indoor Unit Type | Outdoor Condenser or Package Unit - Installed Manufacturer Name | Outdoor Condenser or Package Unit - Installed Model Number | Indoor Unit - Installed Manufacturer Name | Indoor Unit - Installed Model Number | Installed Furnace Manufacturer Name | Installed Furnace Model Number |
| << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*D01 on MCH-01a  \*\*D01 on MCH-01d | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*D02 on MCH-01a  \*\*D02 on MCH-01d  **note: the "Area Served" text in D02 on MCH-01a, and MCH-01d is required to be unique in each dwelling (unique within the scope of each MCH-01), thus D02 is a useful key for finding associated data in other tables on the MCH-01 for a specific system** | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*G03 on MCH-01a for split systems,  \*\*H03 on MCH-01d for split systems,  \*\*J03 on MCH-01a for packaged systems,  \*\*either K03 or L03 on MCH-01d for packaged systems | << auto filled text: referenced from CF2R-MCH-01 if a value is available either in G04 on MCH-01a or H04 on MCH-01d,  else value=n/a>> | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*either F05 or H03 on MCH-01a  \*\*either G05 or I03 on MCH-01d | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*either F06 or H04 on MCH-01a  \*\*either G06 or I04 on MCH-01d | << auto filled text: referenced from CF2R-MCH-01 either in  G07 on MCH-01a or  H07 on MCH-01d,  else value=n/a>> ; | << auto filled text: referenced from CF2R-MCH-01 either in G08 on MCH-01a,  or  H08 on MCH-01d  else value=n/a>> | << **if** A09≠[furnace air-handling unit],  **then** value=n/a,  **elseif** A09=[furnace air-handling unit,  **then** auto filled text referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*E08 on MCH-01a  \*\*F08 on MCH-01d | << **if** A09≠[furnace air-handling unit],  **then** value=n/a,  **elseif** A09=[furnace air-handling unit,  **then** auto filled text referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*E09 on MCH-01a  \*\*F09 on MCH-01d |
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| **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 | 04 | Data from the directory used to certify product performance for the rated system component | | | | | |
| 04 | 05 | 06 | 07 | 08 | 09 |
| SC System ID/Name from CF1R | SC System Description of Area Served | Indoor Unit Name or Description of Area Served | Installed Indoor Unit Name | Outdoor Condenser or Package Unit - Installed Manufacturer Name | Outdoor Condenser or Package Unit - Installed Model Number | Indoor Unit - Installed Manufacturer Name | Indoor Unit - Installed Model Number | Installed Furnace Manufacturer Name | Installed Furnace Model Number |
| << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*D01 on MCH-01a  \*\*D01 on MCH-01d | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*D02 on MCH-01a  \*\*D02 on MCH-01d  **note: the "Area Served" text in D02 on MCH-01a, and MCH-01d is required to be unique in each dwelling (unique within the scope of each MCH-01), thus D02 is a useful key for finding associated data in other tables on the MCH-01 for a specific system** | << auto filled text: referenced from CF2R-MCH-01>>  note: reference applicable values as follows:  \*\*G03 on MCH-01a for split systems,  \*\*H03 on MCH-01d for split systems,  \*\*J03 on MCH-01a for packaged systems,  \*\*either K03 or L03 on MCH-01d for packaged systems | << auto filled text: referenced from CF2R-MCH-01 if a value is available in G04 on MCH-01a or H04 on MCH-01d, else value=n/a>> | <<user input alphanumeric text string max 50 characters>> | <<user input alphanumeric text string max 50 characters>> | <<If B07=n/a, then value=n/a;  else user input alphanumeric text string max 50 characters>> | <<If B08=n/a, then value=n/a  else user input alphanumeric text string max 50 characters>> | << if A09≠[furnace air-handling unit],  then value=n/a,  else user input alphanumeric text string max 50 characters>> | << if A09≠[furnace air-handling unit],  then value=n/a,  else user input alphanumeric text string max 50 characters>> |
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| **D. Verified Cooling System SEER**  <<if A03 equal to "No " then display the "section does not apply" message; else display Table D>> | | |
| 01 | Required minimum SEER | <<auto filled from CF2R-MCH-01>> |
| 02 | Installed SEER | <<user input, SEER listed in the Directory used to certify product performance >> |
| 03 | Compliance Statement: | << calculated field: if “Installed SEER”(D02) is greater than or equal to “Required minimum SEER” (D01) show text, “System Passes SEER Verification”; else, “System Fails”, do not proceed>> |
| **Signature by responsible person on this compliance document certifies that the installed cooling equipment meets or exceeds the required value listed on the CF2R.** | | |

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| E**. Verified Cooling System EER**  <<if A04 equal to "No" then display the "section does not apply" message; else display Table E>> | | |
| 01 | Required minimum EER | <<auto filled from CF2R-MCH-01>> |
| 02 | Installed EER | <<user input, EER listed in the Directory used to certify product performance >> |
| 03 | Compliance Statement: | << calculated field: if “Installed EER”(E02) is greater than or equal to “required minimum EER” (E01) show text, “System Passes EER Verification”; else, “System Fails”, do not proceed>> |
| **Signature by responsible person on this compliance document certifies that the installed cooling equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **F. Verified Heat Pump Heating Output**  <<if A05 equal to "No " then display the "section does not apply" message; else display Table F>> | | |
| 01 | Required Heating BTU Output at 47 Degrees F. | <<auto filled from CF2R-MCH-01>> |
| 02 | Installed Heating BTU Output at 47 Degrees F. | <<user input, Btu output at 47 degrees F listed in the Directory used to certify product performance >> |
| 03 | Required Heating Output at 17 Degrees F. | <<auto filled from CF2R-MCH-01 if value is available, else value = n/a>> |
| 04 | Installed Heating Output at 17 Degrees F. | <<user input, Btu output at 17 degrees F listed in the Directory used to certify product performance; allow N/A entry if heat pump system output is not rated at 17 degrees F in any directory>> |
| 05 | Compliance Statement: | << calculated field: if ”Installed Heating BTU Output at 47 Degrees F”(F02) is greater than or equal to ”Required Heating BTU Output at 47 Degrees F”(F01), and if ”Installed Heating BTU Output at 17 Degrees F”(F04) is greater than or equal to ”Required Heating BTU Output at 17 Degrees F”(F03) or “Installed Heating Output at 17 Degrees F”(F04) = NA, then show text , “System Passes Heat Pump Heating Output Performance Compliance Verification”; else, “System Fails”, do not proceed>> |
| **Signature by responsible person on this compliance document certifies that the installed heat pump equipment meets or exceeds the required value listed on the CF2R.** | | |

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| **G. Verified Heat Pump HSPF**  <<if A06 equal to "No " then display the "section does not apply" message; else display Table G>> | | |
| 01 | Required minimum HSPF | <<auto filled from CF2R-MCH-01>> |
| 02 | Installed HSPF | <<user input, SEER listed in the Directory used to certify product performance >> |
| 03 | Compliance Statement: | << calculated field: if “Installed HSPF”(G02) ≥ “Required minimum “HSPF” (G01) show text “System Passes HSPF Verification”; else, “System Fails” do not proceed>> |
| Signature by responsible person on this compliance document certifies that the installed heat pump equipment meets or exceeds the required value listed on the CF1R. | | |

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| **H. Verified Space Conditioning System Air Handler, Furnace or Fan Coil**  <<if A09 equal to "No" then display the "section does not apply" message; else display Table H>> | | |
| 01 | If a specific air handler, furnace or fan coil is required by the directory used to certify product performance, the responsible person certifies by signing this compliance document that the installed air handler/furnace matches the equipment specified by the Directory of Certified Product Performance. | |
| 02 | Verification Status: | <<user pick from list:  \*\*\* Pass - all applicable requirements are met; or  \*\*\* Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or  \*\*\* All n/a - This entire table is not applicable |
| 03 | Correction Notes: | <<if Verification Status= Fail, then text entry in this Corrections Notes field is required; user input text>> |
| **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.** | | |

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| **I. Verified Space Conditioning System Time Delay Relay**  <<if A10 equal to "No" then display the "section does not apply" message; else display Table I>> | | |
| 01 | If a Time Delay Relay is specified by the Directory of Certified Product Performance, the responsible person certifies by signing this compliance document 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: | <<user pick from list:  \*\*\* Pass - all applicable requirements are met; or  \*\*\* Fail - one or more applicable requirements are not met. Enter reason for failure in corrections notes field below; or  \*\*\* All n/a - This entire table is not applicable |
| 03 | Correction Notes: | <<if Verification Status= Fail, then text entry in this Corrections Notes field is required; user input text>> |
| **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.** | | |



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| **J. Determination of HERS Verification Compliance**  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. | |
| 01 | << If section G is displayed and H02 Verification Status = Fail,  Or if section H is displayed and I02 Verification Status = Fail,  Or If section I is displayed and J02 DoesSystemComplyWithRequirements = Fail;  Then the result is false;  Else If section D is displayed and D03 Compliance Statement = “System Fails” do not proceed  Or If section E is displayed and E03 Compliance Statement = “System Fails” do not proceed ,  Or If section F is displayed and F05 Compliance Statement = “System Fails” do not proceed,  Or If section G is displayed and G03 Compliance Statement = “System Fails” do not proceed,  Then the result is false; Else the result is true.  For Boolean true value display text: All specified verification protocol requirements on this document are met.  For Boolean false value display text: Does not comply.>> |