

RESIDENTIAL ACM MANUAL APPENDIX RD-2008

Appendix RD – Residential Compliance Software Electronic Data Transfer Protocol

RD1. Scope

To allow for the creation of databases which will be used to verify compliance margins, building components, special compliance features, or any other compliance software data output required by the Commission, the following format must be followed by all compliance software vendors in organizing an electronic data export function.

RD2. Protocol

The information contained in the data export shall have three data components:

1. Input file for the compliance software run that created the energy compliance document for the dwelling unit.
2. Representation, image, or “echo” of the formatted energy compliance document printout from the compliance software run for the dwelling unit. The input file from item 1 above should cause the same energy compliance document to be generated if processed by the compliance software.
3. A data file shall be made available based on the content and configuration of the CF-1R report. The data file shall be in a text format readable by database software applications maintained by HERS providers, Utility Rebate Program Administrators, Energy Commission Program Administrators, or other approved data users. The proposed text format is defined below.

All three data components shall either be contained in a single electronic file, or if each data component is provided as a separate electronic file, the files shall be organized into an electronic “package” or “zip” file for use in the electronic transmittal of the data.

RD3. Sample Format

An example of what is proposed for the standardized format to be followed for data representation in #3 is listed below. The order of data shall match that used in the certificate of compliance.

[header01text]

{Field01Tag|Field02Tag|Field03Tag}

< Field01Data01|Field02Data01|Field03Data01>

< Field01Data02|Field02Data02|Field03Data02>

< Field01Data03|Field02Data03|Field03Data03>

< Field01Data04|Field02Data04|Field03Data04>

[headertext02]

etc..

For example:

[OPAQUE SURFACES INCLUDING OPAQUE DOORS]

{Surface|Frame Type|Area (ft²)|U-factor|Cavity Insul R-value|Sheath. Insul. R-value|True Azimuth|Tilt|Solar Gains|Joint Appendix 4 Reference|Location/ Comments}

<Wall|Wood|105.4|0.088|R-13|na|0|90|Yes|4.1-A3|Typical>

[PERIMETER LOSSES]