capacities of 24,000, 30,000, 36,000, 48,000 and 54,000 Btu/hr respectively. High static pressure duct:
ARUH36RLAV, ARUH48RLAV, ARUH54RLAV, ARUH60RLAV, ARUH72RLAV, ARUH90RLAV and ARUH96RLAV with nominal cooling capacities of 36,000, 48,000, 60,000, 72,000, 90,000 and 96,000 Btu/hr respectively.

DOE makes decisions on waivers and interim waivers for only those models specifically set out in the petition, not future models that may be manufactured by the petitioner. FUJITSU may submit a petition for waiver and request for grant of interim waiver, as appropriate, for additional models of commercial package air conditioners and heat pumps for which it seeks a waiver from the DOE test procedure. In addition, DOE notes that grant of an interim waiver or waiver does not release a petitioner from the certification requirements set forth at 10 CFR part 429.

III. Alternate Test Procedure

In responses to two petitions for waiver from Mitsubishi, DOE specified an alternate test procedure to provide a basis from which Mitsubishi could test and make valid energy efficiency representations for its R410A CITY MULTI products, as well as for its R22 multi-split products. Alternate test procedures related to the Mitsubishi petitions were published in the Federal Register on April 9, 2007. See 72 FR 17528 and 72 FR 17533. For reasons similar to those published in these prior notices, DOE believes that an alternate test procedure is appropriate in this instance.

DOE understands that existing testing facilities have limited ability to test multiple indoor units simultaneously. This limitation makes it impractical for manufacturers to test the large number of possible combinations of indoor and outdoor units for some variable refrigerant flow zoned systems. We further note that after DOE granted a waiver for Mitsubishi’s R22 multi-split products, ARI formed a committee to discuss testing issues and to develop a testing protocol for variable refrigerant flow systems. The committee has developed a test procedure that has been adopted by AHRI—"ANSI/AHRI 1230–2010: Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment" and is referenced in ASHRAE 90.1–2010. ANSI/AHRI 1230–2010 with Addendum 1 (dated February 2011) allows the use of up to 12 indoor units (instead of 5 indoor units previously) in the configuration of a basic model. ANSI/AHRI 1230–2010 is consistent with the alternate test procedure established in the commercial multi-split waivers that DOE has granted to Mitsubishi and several other manufacturers. ANSI/AHRI 1230–2010 uses a definition of “tested combination” that is substantially the same as the definition in the alternate test procedure in those waivers. DOE prescribed ANSI/AHRI 1230–2010 in decision and orders granted to Carrier Corporation (76 FR 31951, June 2, 2011), Fujitsu General Limited (76 FR 56204, August 12, 2011), and Mitsubishi (76 FR 65710, October 24, 2011).

Therefore, as a condition for granting this interim waiver to FUJITSU, DOE requires the use of ANSI/AHRI–1230–2010 with Addendum 1 as the alternate test procedure. This alternate test procedure will allow FUJITSU to test and make energy efficiency representations for its AIRSTAGE V–II products. As stated above, DOE has applied this alternate test procedure to other waivers for similar residential and commercial central air conditioners and heat pumps manufactured by other manufacturers.

IV. Summary and Request for Comments

Through today’s notice, DOE announces receipt of FUJITSU’s petition for waiver from the test procedures that apply to commercial multi-split heat pump products and grants an interim waiver to FUJITSU. For the reasons articulated above, DOE also grants FUJITSU an interim waiver from those procedures. DOE is publishing FUJITSU’s petition for waiver in its entirety pursuant to 10 CFR 430.401(b)(1)(iv). The petition contains no confidential information. Furthermore, today’s notice includes an alternate test procedure that FUJITSU is required to follow as a condition of its interim waiver.

DOE solicit comments from interested parties on all aspects of the petition. Pursuant to 10 CFR 431.401(d), any person submitting written comments must also send a copy of such comments to the petitioner. The contact information for the petitioner is: Masami Kato, Manager, Engineering Attestation Administration Department, Air Conditioner Administration Division, FUJITSU General Limited, 1116 Suenga, Takatsu-ku, Kawasaki 213–8502, Japan. All submissions received must include the agency name and case number for this proceeding. Submit electronic comments in WordPerfect, Microsoft Word, Portable Document Format (PDF), or text (American Standard Code for Information Interchange (ASCII)) file format and avoid the use of special characters or any form of encryption. Wherever possible, include the electronic signature of the author. DOE does not accept telefacsimiles (faxes). According to 10 CFR 1004.11, any person submitting information that he or she believes to be confidential and exempt by law from public disclosure should submit two copies: one copy of the document including all the information believed to be confidential, and one copy of the document with the information believed to be confidential deleted. DOE will make its own determination about the confidential status of the information and treat it according to its determination.

Issued in Washington, DC, on February 28, 2012.
Kathleen B. Hogan,
Deputy Assistant Secretary for Energy Efficiency, Energy Efficiency and Renewable Energy.

[FR Doc. 2012–5228 Filed 3–2–12; 8:45 am]
BILLING CODE 6450–01–P

DEPARTMENT OF ENERGY
Office of Energy Efficiency and Renewable Energy

[Case No. RF–021]

Petition for Waiver of Samsung Electronics America, Inc. From the Department of Energy Residential Refrigerator and Refrigerator-Freezer Test Procedure, and Grant of Interim Waiver


ACTION: Notice of petition for waiver, notice of grant of interim waiver, and request for comments.

SUMMARY: This notice announces receipt of and publishes the Samsung Electronics America, Inc. (Samsung) petition for waiver (hereafter, “petition”) from specified portions of the U.S. Department of Energy (DOE) test procedure for determining the energy consumption of electric refrigerators and refrigerator-freezers. In its petition, Samsung provides an alternate test procedure that is the same as the test procedure DOE published in an interim final rule. DOE solicits comments, data, and information concerning Samsung’s petition and the suggested alternate test procedure. Today’s notice also grants Samsung an interim waiver from the electric refrigerator and refrigerator-freezer test procedure.
procedure, subject to use of the alternative test procedure set forth in this notice.

DATES: DOE will accept comments, data, and information with respect to the Samsung Petition until April 6, 2012.

ADDRESSES: You may submit comments, identified by case number “RF–021,” by any of the following methods:

- Email: AS_Waiver_Requests@ee.energy.gov. Include the case number [Case No. RF–017] in the subject line of the message.
- Telephone: (202) 586–2945. Please submit one signed original paper copy.
- Docket: For access to the docket to review the background documents relevant to this matter, you may visit the U.S. Department of Energy, 950 L’Enfant Plaza SW., Washington, DC 20024; (202) 586–2945, between 9 a.m. and 4 p.m., Monday through Friday, except Federal holidays. Available documents include the following items: (1) This notice; (2) public comments received; (3) the petition for waiver and application for interim waiver; and (4) prior DOE waivers and rulemakings regarding similar refrigerator-freezer products. Please call Ms. Brenda Edwards at the above telephone number for additional information.


SUPPLEMENTARY INFORMATION:

I. Background and Authority

Title III, Part B of the Energy Policy and Conservation Act of 1975 (EPCA), Public Law 94–163 (42 U.S.C. 6291–6309, as codified), established the Energy Conservation Program for Consumer Products Other Than Automobiles, a program covering most major household appliances, which includes the electric refrigerators and refrigerator-freezers that are the focus of this notice. Part B includes definitions, test procedures, labeling provisions, energy conservation standards, and the authority to require information and reports from manufacturers. Further, Part B authorizes the Secretary of Energy to prescribe test procedures that are reasonably designed to produce results which measure energy efficiency, energy use, or estimated annual operating costs of a covered product, and that are not unduly burdensome to conduct. (42 U.S.C. 6293(b)(3)) The test procedure for automatic electric refrigerators and refrigerator-freezers is contained in 10 CFR part 430, subpart B, appendix A1. The regulations set forth in 10 CFR 430.27 contain provisions that enable a person to seek a waiver from the test procedure requirements for covered products. The Assistant Secretary to grant a waiver if it is determined that the basic model for which the petition for waiver was submitted contains one or more design characteristics that prevents testing of the basic model according to the prescribed test procedures, or if the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy consumption characteristics as to provide materially inaccurate comparative data. 10 CFR 430.27(l). Petitioners must include in their petition any alternate test procedures known to the petitioner to evaluate the basic model in a manner representative of its energy consumption. 10 CFR 430.27(b)(1)(iii). The Assistant Secretary may grant the waiver subject to conditions, including adherence to alternate test procedures. 10 CFR 430.27(l). Waivers remain in effect pursuant to the provisions of 10 CFR 430.27(m).

The waiver process also allows the Assistant Secretary to grant an interim waiver from test procedure requirements to manufacturers that have petitioned DOE for a waiver of such prescribed test procedures. 10 CFR 430.27(g). An interim waiver remains in effect for 180 days or until DOE issues its determination on the petition for waiver, whichever is sooner. DOE may extend an interim waiver for an additional 180 days. 10 CFR 430.27(h). DOE will accept comments, data, and information with respect to the Samsung Petition until April 6, 2012. The waiver process also allows the Assistant Secretary to grant an interim waiver from test procedure requirements to manufacturers that have petitioned DOE for a waiver of such prescribed test procedures. 10 CFR 430.27(g). An interim waiver remains in effect for 180 days or until DOE issues its determination on the petition for waiver, whichever is sooner. DOE may extend an interim waiver for an additional 180 days. 10 CFR 430.27(h).

II. Petition for Waiver of Test Procedure and Application for Interim Waiver

On December 14, 2011, Samsung submitted a petition for waiver from the test procedure applicable to residential electric refrigerators and refrigerator-freezers set forth in 10 CFR part 430, subpart B, appendix A1. Samsung is designing new refrigerator-freezers that incorporate multiple defrost cycles. In its petition, Samsung seeks a waiver from the existing DOE test procedure applicable to refrigerators and refrigerator-freezers under 10 CFR part 430 because the existing test procedure does not account for multiple defrost cycles. Therefore, Samsung has asked to use an alternate test procedure that is the same as the test procedure provisions for products with long time or variable defrost DOE published in an interim final rule (77 FR 78810, December 16, 2010). On January 27 and July 19, 2011, Samsung had submitted similar petitions for waiver and requests for interim waiver for other basic models of refrigerator-freezers that incorporate multiple defrost cycles. DOE subsequently granted a waiver for the products specified in these petitions. 77 FR 1474 (Jan. 10, 2012).

Samsung also requests an interim waiver from the existing DOE test procedure. An interim waiver may be granted if it is determined that the applicant will experience economic hardship if the application for interim waiver is denied, if it appears likely that the petition for waiver will be granted, and/or the Assistant Secretary determines that it would be desirable for public policy reasons to grant immediate relief pending a determination of the petition for waiver. (10 CFR 430.27(g)). DOE has determined that Samsung’s application for interim waiver does not provide sufficient market, equipment price, shipments and other manufacturer impact information to permit DOE to evaluate the economic hardship. Samsung might experience absent a favorable determination on its application for interim waiver. DOE has determined, however that it is likely Samsung’s petition will be granted, and that it is desirable for public policy reasons to grant Samsung relief pending a determination on the petition. Previously, DOE granted a waiver to Samsung for other basic models incorporating multiple defrost technology (77 FR 1474, Jan. 10, 2012), and DOE has determined that it is desirable to have similar basic models tested in a consistent manner.

Samsung’s petition included an alternate test procedure to account for
the energy consumption of its refrigerator-freezer models with multiple defrost cycles. The alternate test procedure specified by Samsung is the same as the test procedure published in the interim final rule referenced above. DOE recently issued a final test procedure for refrigerators, refrigerator-freezers, and freezers (http://www1.eere.energy.gov/buildings/appliance_standards/pdfs/refr_frz_tp_finalrule_01_09_12.pdf). The final test procedure addresses comments received on the Samsung petitions that were the subject of the previous waiver, as well as on the interim final rule. The alternate test procedure specified in this interim waiver (as well as the previous waiver granted to Samsung) is identical to the test procedure provisions for products with long time or variable defrost adopted in the final test procedure rule. For the reasons stated above, DOE grants Samsung’s application for interim waiver from testing of its refrigerator-freezer product line containing multiple defrost cycles. Therefore, it is ordered that: The application for interim waiver filed by Samsung is hereby granted for the specified Samsung refrigerator-freezer basic models that incorporate multiple defrost cycles, subject to the specifications and conditions below. Samsung shall be required to test or rate the specified refrigerator-freezer products according to the alternate test procedure as set forth in section III, “Alternate Test Procedure.” The interim waiver applies to the following basic model groups: PFS56SMX**** PSB42**** RF323T*DB** RF263B*AE** RF263N*AE** 592 656** GSE4820SS RF323B*DB** RF261B*AE** RF263S*AE** PSB48**** E42BS7E**** RF263T*AE** RF260B*AE** DOE makes decisions on waivers and interim waivers for only those models specifically set out in the petition, not future models that may be manufactured by the petitioner. Samsung may submit a subsequent petition for waiver and request for grant of interim waiver, as appropriate, for additional models of refrigerator-freezers for which it seeks a waiver from the DOE test procedure. In addition, DOE notes that grant of an interim waiver or waiver does not release a petitioner from the certification requirements set forth at 10 CFR part 429. III. Alternate Test Procedure EPCA requires that manufacturers use DOE test procedures to make representations about the energy consumption and energy consumption costs of products covered by the statute. (42 U.S.C. 6293(c)) Consistent representations are important for manufacturers to use in making representations about the energy efficiency of their products and to demonstrate compliance with applicable DOE energy conservation standards. Pursuant to its regulations applicable to waivers and interim waivers from applicable test procedures at 10 CFR 430.27, DOE will consider setting an alternate test procedure for Samsung in a subsequent Decision and Order. During the period of the interim waiver granted in this notice, Samsung shall test the products listed above according to the test procedures for residential electric refrigerator-freezers prescribed by DOE at 10 CFR part 430, subpart B, appendix A1, except that, for the Samsung products listed above only, include: 1. In section 1, Definitions, the following definition: “Defrost cycle type” means a distinct sequence of control whose function is to remove frost and/or ice from a refrigerated surface. There may be variations in the defrost control sequence such as the number of defrost heaters energized. Each such variation establishes a separate distinct defrost cycle type. However, defrost achieved regularly during the compressor “off” cycles by warming of the evaporator without active heat addition is not a defrost cycle type. 2. In section 4, Test Period, the following:

4.2.1 Long-time Automatic Defrost. If the model being tested has a long-time automatic defrost system, the two-part test described in this section may be used. The first part is a stable period of compressor operation that includes no portions of the defrost cycle, such as precooling or recovery, that is otherwise the same as the test for a unit having no defrost provisions (section 4.1). The second part is designed to capture the energy consumed during all of the events occurring with the defrost control sequence that are outside of stable operation.

4.2.1.1 Cycling Compressor System. For a system with a cycling compressor, the second part of the test starts at the termination of the last regular compressor “on” cycle. The average temperatures of the fresh food and freezer compartments measured from the termination of the previous compressor “on” cycle to the termination of the last regular compressor “on” cycle must both be within 0.5 °F (0.3 °C) of their average temperatures measured for the first part of the test. If any compressor cycles occur prior to the defrost heater being energized that cause the average temperature in either compartment to deviate from its average temperature for the first part of the test by more than 0.5 °F (0.3 °C), these compressor cycles are not considered regular compressor cycles and must be included in the second part of the test. As an example, a “precooling” cycle, which is an extended compressor cycle that lowers the temperature(s) of one or both compartments prior to energizing the defrost heater, must be included in the second part of the test. The test period for the second part of the test ends at the termination of the first regular compressor “on” cycle after both compartment temperatures have fully recovered to their stable conditions. The average temperatures of the compartments measured from this termination of the first regular compressor “on” cycle until the termination of the next regular compressor “on” cycle must both be within 0.5 °F (0.3 °C) of their average temperatures measured for the first part of the test. See Figure 1.
4.2.4 Systems with Multiple Defrost Frequencies. This section applies to models with long-time automatic or variable defrost control with multiple defrost cycle types, such as models with single compressors and multiple evaporators in which the evaporators have different defrost frequencies. The two-part method in 4.2.1 shall be used. The second part of the method will be conducted separately for each distinct defrost cycle type.

3. In section 5, Test Measurements, the following:

\[ ET = (1440 \times \frac{EP_1}{T_1}) + \sum_{i=1}^{D} \left[ (EP_2 - \left( \frac{EP_1 \times T_2_i}{T_1} \right)) \times \left( \frac{12}{CT_i} \right) \right] \]

Where:
- 1440 is defined in 5.2.1.1 and EP1, T1, and 12 are defined in 5.2.1.2;
- \(i\) is a variable that can equal 1, 2, or more that identifies the distinct defrost cycle types applicable for the refrigerator or refrigerator-freezer;
- \(EP_2\) is energy expended in kilowatt-hours during the second part of the test for defrost cycle type \(i\);
- \(T_2_i\) is length of time in minutes of the second part of the test for defrost cycle type \(i\);
- \(CT_i\) is the compressor run time between instances of defrost cycle type \(i\), for long-time automatic defrost control equal to a fixed time in hours rounded to the nearest tenth of an hour, and for variable defrost control equal to \(\frac{(CT_{Li} \times CT_{Mi})}{(F \times (CT_{Mi} - CT_{Li}) + CT_{Li})}\);
- \(CT_{Li}\) is least or shortest compressor run time between instances of defrost cycle type \(i\) in hours rounded to the nearest tenth of an hour (\(CT_{Li}\) for the defrost cycle type with the longest compressor run time between defrosts must be greater than or equal to 6 but less than or equal to 12 hours);
- \(CT_{Mi}\) is maximum compressor run time between instances of defrost cycle type \(i\) in hours rounded to the nearest tenth of an hour (greater than \(CT_{Li}\) but not more than 96 hours);

For cases in which there are more than one fixed \(CT\) value (for long-time defrost control), the following:

5.2.1.5 Long-time or Variable Defrost Control for Systems with Multiple Defrost cycle Types. The energy consumption in kilowatt-hours per day shall be calculated equivalent to:

\[ ET = \sum_{i=1}^{D} \left( \frac{EP_2 - \left( \frac{EP_1 \times T_2_i}{T_1} \right)}{CT_i} \right) \times \left( \frac{12}{CT_i} \right) \]

4.2.1.5 Average compartment temperature(s) during cycles A & B must be within 0.5 °F of the average temperature(s) for the first part of the test.
models) or more than one CT_L and/or CT_M value (for variable defrost models) for a given defrost cycle type, an average fixed CT value or average CT_L and CT_M values shall be selected for this cycle type so that 12 divided by this value or values is the frequency of occurrence of the defrost cycle type in a 24 hour period, assuming 50% compressor run time.

F = default defrost energy consumption factor, equal to 0.20.

For variable defrost models with no values for CT_L and CT_M in the algorithm, the default values of 6 and 96 shall be used, respectively.

D is the total number of distinct defrost cycle types.

IV. Summary and Request for Comments

Through today’s notice, DOE announces receipt of Samsung’s petition for waiver from certain parts of the test procedure that apply to clothes washers and grants an interim waiver to Samsung. DOE is publishing Samsung’s petition for waiver in its entirety pursuant to 10 CFR 430.27(b)(1)(iv). The petition contains no confidential information. The petition includes a suggested alternate test procedure to measure the energy consumption of refrigerator-freezer basic models that incorporate multiple defrost cycles.

DOE solicits comments from interested parties on all aspects of the petition. Pursuant to 10 CFR 430.27(b)(1)(iv), any person submitting written comments to DOE must also send a copy of such comments to the petitioner. The contact information for the petitioner is: Michael Moss, Director of Corporate Environmental Affairs, Samsung Electronics America, Inc., 18600 Broadwick St., Rancho Dominguez, CA 90220. All submissions received must include the agency name and case number for this proceeding.

Submit electronic comments in WordPerfect, Microsoft Word, Portable Document Format (PDF), or text (American Standard Code for Information Interchange (ASCII)) file format and avoid the use of special characters or any form of encryption. Wherever possible, include the electronic signature of the author. DOE does not accept telefacsimiles (faxes).

Issued in Washington, DC, on February 28, 2012.

Kathleen B. Hogan,
Deputy Assistant Secretary for Energy Efficiency, Energy Efficiency and Renewable Energy

December 14, 2011
Dr. Henry Kelly
Energy Efficiency and Renewable Energy
Department of Energy

1000 Independence Avenue SW.
Washington, DC 20585

Re: Samsung Petition for Waiver and Application for Interim Waiver, Single Compressor Refrigerator-Freezers with Multiple Defrost Cycles

Dear Assistant Secretary Kelly:
Samsung Electronics America, Inc. ("Samsung") respectfully submits this Application for Interim Waiver and Petition for Waiver to the Department of Energy ("DOE" or "the Department") for single compressor refrigerator-freezers with multiple defrost cycles that are manufactured by Samsung from DOE's test procedure for refrigerator-freezers.

Reasoning

10 CFR Part 430.27(a)(1) allows a person to submit a petition to waive for a particular basic model any requirements of § 430.23 upon the grounds that the basic model contains one or more design characteristics which either prevent testing of the basic model according to the prescribed test procedures, or the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy consumption characteristics as to provide materially inaccurate comparative data.

Current test procedures as prescribed in Appendix A1 to Subpart B of Part 430 ("Appendix A1") do not adequately provide a way for Samsung to accurately represent the energy consumption of its refrigerator-freezer products that incorporate multiple defrost cycles. Previous, DOE concurred with Samsung’s understanding in the interim waiver granted to Samsung in 76 FR 54456 and 76 FR 16760.1 Meanwhile, DOE communicated that all manufacturers planning on marketing refrigerator-freezers with multiple defrost cycles must seek a waiver from the Department.2

Request

Samsung respectfully request immediate relief from being required to test or rate its refrigerator-freezer products that incorporate multiple defrost cycles according to 10 CFR part 430 subpart B, appendix A1. Instead, Samsung seeks the alternate test procedure as prescribed in 76 FR 54456, Section IV, “Alternate Test Procedure” for the following models:

PFSS6SMX****
PSB42******
RF23T*DB**
RF263*B*AE**
RF263*N*AE**
592 656**
GSE4820SS
RF323*B*DB**
RF261*B*AE**
RF263*S*AE**
PSB48******
E42BS75E**
RF263*T*AE**
RF260*B*AE**

Please feel free to contact me if you have any questions regarding this petition. I will be happy to discuss should any questions arise.

Sincerely,
Michael Moss,
Director of Corporate Environmental Affairs.

[FR Doc. 2012–5287 Filed 3–2–12; 8:45 am]
BILLING CODE 6450–01–P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

Combined Notice of Filings #1

Take notice that the Commission received the following electric rate filings:

Applicants: Golden Spread Electric Cooperative, Inc.
Description: Amendment to Initial Tariff Filing to be effective 10/12/2011.
Filed Date: 2/24/12.
Accession Number: 20120224–5001.
Comments Due: 5 p.m. ET 3/16/12.
Docket Numbers: ER12–1151–000.
Description: Pacific Gas and Electric Company submits tariff filing per 35.13(a)(2)(ii): Two E&P Agreements under PG&E’s Transmission Owner Tariff and Report to be effective 2/24/2012.
Filed Date: 2/23/12.
Accession Number: 20120223–5109.
Comments Due: 5 p.m. ET 3/15/12.
Docket Numbers: ER12–1152–000.
Applicants: Bounce Energy PA, LLC.
Description: Application for Market-Based Rate Authority to be effective 2/24/2012.
Filed Date: 2/24/12.
Accession Number: 20120224–5002.
Comments Due: 5 p.m. ET 3/16/12.