

## ENERGY STAR<sup>®</sup> Program Requirements for Commercial Refrigerators and Freezers

## Partner Commitments Version 2.0 – FINAL DRAFT

#### 8 Commitment 9 10 The following are the terms of the ENERGY STAR Partnership Agreement as it pertains to the 11 manufacturing of ENERGY STAR gualified commercial refrigerators and freezers. The ENERGY STAR 12 Partner must adhere to the following program requirements: 13 14 comply with current ENERGY STAR Eligibility Criteria, defining the performance criteria that must be 15 met for use of the ENERGY STAR certification mark on commercial refrigerators and freezers and 16 specifying the testing criteria for commercial refrigerators and freezers. EPA may, at its discretion, 17 conduct tests on products that are referred to as ENERGY STAR qualified. These products may be 18 obtained on the open market, or voluntarily supplied by Partner at EPA's request; 19 20 21 Note: As mentioned in Draft 3, if stakeholders have a complaint about manufacturers' 22 claims on specific product data in the ENRGY STAR product database, EPA will follow 23 up accordingly with the manufacturer in question. Following the finalization of this Version 24 2.0 specification, EPA will start requiring a signed declaration at the bottom of the 25 Qualifying Product Information form stating that the product was tested according to the 26 ENERGY STAR testing requirements outlined in Section 4, below, and the information 27 provided on the form is accurate. 28 29 30 comply with current ENERGY STAR Identity Guidelines, describing how the ENERGY STAR labels 31 and name may be used. Partner is responsible for adhering to these guidelines and for ensuring that 32 33 its authorized representatives, such as advertising agencies, dealers, and distributors, are also in compliance; 34 35 gualify at least one ENERGY STAR labeled commercial refrigerator or freezer model within one year 36 of activating the commercial refrigerators and freezers portion of the agreement. When Partner 37 qualifies the product, it must meet the specification (e.g., Tier 1 or 2) in effect at that time; 38 39 provide clear and consistent labeling of ENERGY STAR gualified commercial refrigerators and 40 freezers. The ENERGY STAR label must be clearly displayed on the front/inside of the product, on 41 the product packaging, in product literature (i.e., user manuals, spec sheets, etc.), and on the 42 manufacturer's Internet site where information about ENERGY STAR qualified models is displayed; 43 44 provide to EPA, on an annual basis, an updated list of ENERGY STAR qualifying commercial 45 refrigerators and freezers. Once the Partner submits its first list of ENERGY STAR labeled 46 commercial refrigerator and freezer models, the Partner will be listed as an ENERGY STAR Partner. 47 Partner must provide annual updates in order to remain on the list of participating product 48 manufacturers; 49 50 51 52 53

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**Note:** EPA currently requires Partners to update their product list at least on an annual basis. However, EPA encourages manufacturers to update their product list more frequently as new qualified models are introduced into the marketplace and models are discontinued so that the ENERGY STAR list stays current. EPA will monitor the response to this encouragement and consider further action as appropriate.

- 63 64 provide to EPA, on an annual basis, unit shipment data or other market indicators to assist in 65 determining the market penetration of ENERGY STAR. Specifically, Partner must submit the total 66 number of ENERGY STAR gualified commercial refrigerators and freezers shipped (in units by 67 model) or an equivalent measurement as agreed to in advance by EPA and Partner. Partner is also 68 encouraged to provide ENERGY STAR gualified unit shipment data segmented by meaningful 69 product characteristics (e.g., product type, volume, or other as relevant) for the United States (US). 70 Partner is also encouraged to provide total unit shipments for each model in its product line, and 71 percent of total unit shipments that qualify as ENERGY STAR. The data for each calendar year 72 should be submitted to EPA, preferably in electronic format, no later than the following March and 73 may be provided directly from the Partner or through a third party. The data will be used by EPA only 74 for program evaluation purposes and will be closely controlled. If requested under the Freedom of 75 Information Act (FOIA), EPA will argue that the data is exempt. Any information used will be masked 76 by EPA so as to protect the confidentiality of the Partner; 77
- notify EPA of a change in the designated responsible party or contacts for commercial refrigerators and freezers within 30 days.

### Performance for Special Distinction

In order to receive additional recognition and/or support from EPA for its efforts within the Partnership, the ENERGY STAR Partner may consider the following voluntary measures and should keep EPA informed on the progress of these efforts:

- consider energy efficiency improvements in company facilities and pursue the ENERGY STAR label for buildings;
- purchase ENERGY STAR labeled products. Revise the company purchasing or procurement specifications to include ENERGY STAR. Provide procurement officials' contact information to EPA for periodic updates and coordination. Circulate general ENERGY STAR labeled product information to employees for use when purchasing products for their homes;
- ensure the power management feature is enabled on all ENERGY STAR qualified monitors and computers in use in company facilities, particularly upon installation and after service is performed.
  For assistance in doing so, go to <u>www.energystar.gov/powermanagement;</u>
- provide general information about the ENERGY STAR program to employees whose jobs are relevant to the development, marketing, sales, and service of current ENERGY STAR labeled product models;
- feature the ENERGY STAR label(s) on Partner Web site and in other promotional materials. If
  information concerning ENERGY STAR is provided on the Partner Web site as specified by the
  ENERGY STAR Web Linking Policy (this document can be found in the Partner Resources section on
  the ENERGY STAR Web site at <u>www.energystar.gov</u>). EPA may provide links where appropriate to
  the Partner Web site;
- provide a simple plan to EPA outlining specific measures Partner plans to undertake beyond the
  program requirements listed above. By doing so, EPA may be able to coordinate, communicate,
  and/or promote Partner's activities, provide an EPA representative, or include news about the event

- 110 in the ENERGY STAR newsletter, on the ENERGY STAR Web pages, etc. The plan may be as 111 simple as providing a list of planned activities or planned milestones that Partner would like EPA to be 112 aware of. For example, activities may include: (1) increase the availability of ENERGY STAR labeled 113 products by converting the entire product line within two years to meet ENERGY STAR guidelines; (2) 114 demonstrate the economic and environmental benefits of energy efficiency through special in-store 115 displays twice a year; (3) provide information to users (via the Web site and user's manual) about 116 energy-saving features and operating characteristics of ENERGY STAR gualified products, and (4) 117 build awareness of the ENERGY STAR Partnership and brand identity by collaborating with EPA on 118 one print advertorial and one live press event; 119
- provide quarterly, written updates to EPA as to the efforts undertaken by Partner to increase
  availability of ENERGY STAR qualified products, and to promote awareness of ENERGY STAR and
  its message;
- join EPA's SmartWay Transport Partnership to improve the environmental performance of the company's shipping operations. SmartWay Transport works with freight carriers, shippers, and other stakeholders in the goods movement industry to reduce fuel consumption, greenhouse gases, and air pollution. For more information on SmartWay, visit www.epa.gov/smartway;
- join EPA's Climate Leaders Partnership to inventory and reduce greenhouse gas emissions. Through participation, companies create a credible record of their accomplishments and receive EPA recognition as corporate environmental leaders. For more information on Climate Leaders, visit www.epa.gov/climateleaders;
- join EPA's Green Power partnership. EPA's Green Power Partnership encourages organizations to buy green power as a way to reduce the environmental impacts associated with traditional fossil fuelbased electricity use. The partnership includes a diverse set of organizations including Fortune 500 companies, small and medium businesses, government institutions as well as a growing number of colleges and universities, visit http://www.epa.gov/grnpower.



## ENERGY STAR<sup>®</sup> Program Requirements for Commercial Refrigerators and Freezers

## Eligibility Criteria Version 2.0 – FINAL DRAFT

143 144 145 Below is the FINAL DRAFT Version 2.0 product specification for ENERGY STAR qualified commercial 146 refrigerators and freezers. A product must meet all of the identified criteria if it is to earn the ENERGY 147 STAR. 148 149 1) Definitions: Provided below are definitions of the relevant terms in this document. 150 151 A. Commercial Food-Grade Refrigerator: A refrigeration cabinet designed for storing food products 152 at temperatures above 32 degrees Fahrenheit (F) but no greater than 40 degrees F and intended for 153 commercial use. 154 155 B. Commercial Food-Grade Freezer: A refrigeration cabinet designed for storing food products at 156 temperatures of 0 degrees F and intended for commercial use. 157 158 C. Refrigeration Cabinet: A refrigerator or freezer used for storing food products at specified 159 temperatures, with the condensing unit and compressor built into the cabinet, and designed for use 160 by commercial or institutional facilities, other than laboratory settings. These units may be vertical or 161 chest configurations and may contain a worktop surface. 162 163 D. Closed Refrigerator: A display or holding refrigerator where product is accessible for removal by 164 opening or moving doors or panels<sup>1</sup>. 165 166 E. Solid Door Cabinet: A commercial food-grade refrigerator or freezer in which all outer doors on 167 all sides of the unit are solid doors. These doors may be sliding or hinged. 168 169 F. Glass Door Cabinet: A commercial food-grade refrigerator or freezer in which all outer doors on 170 at least one side of the unit are glass doors. These doors may be sliding or hinged. 171 172 G. Mixed Solid/Glass Door Cabinet: A commercial food-grade refrigerator or freezer in which all 173 outer doors on at least one side of the unit are a combination of solid and glass doors. A unit which 174 has all glass doors on one side and a combination of solid and glass doors on another is considered 175 a glass door cabinet. 176 177 H. Solid Door: Less than 75% of the front surface area of a door is glass. 178 179 L. Glass Door: Greater than, or equal to, 75% of the front surface area of a door is glass. 180 181 182 Note: EPA revised the definitions for "solid door cabinets" and "glass door cabinets" and 183 added new definitions for "mixed solid/glass door cabinets", "solid door", and "glass door" 184 to alleviate confusion regarding how glass door units and mixed door units are 185 considered under this Version 2.0 specification. 186 187 188 J. Worktop Surface: A solid working surface. The working surface may be a cutting board, a 189 stainless steel work surface, or a stone slab. This surface may not add to the total energy 190 consumption of the unit.

<sup>&</sup>lt;sup>1</sup> Definition from ANSI/ASHRAE Standard 72-2005, Method of Testing Commercial Refrigerators and Freezers, American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. 2005.

#### Test Procedure Requirements

K. <u>AHAM Volume</u>: The interior volume of a refrigerator as calculated by AHAM Standard Household Refrigerators/Household Freezers (ANSI/AHAM HRF-1-2004)<sup>2</sup>.

L. <u>Integrated Average Product Temperature</u>: The integrated average of all test package temperatures, recorded at 15-minute intervals, as determined by the test method referenced in Section 4, Test Criteria.

#### **Referenced Standards Organizations**

- M. <u>AHAM</u>: Association of Home Appliance Manufacturers.
- N. ANSI: American National Standards Institute.
- O. <u>ASHRAE</u>: American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.
- P. <u>NSF</u>: NSF International.
- Q. <u>UL</u>: Underwriters Laboratories, Inc.

**Note**: In listing the organizations above, EPA intended to recognize only those standards organizations referenced in subsequent sections of this specification. This list is not meant to exclude other testing organizations that have the capabilities to test using the ASHRAE 72 test procedure. All requirements specific to test laboratories and conditions are outlined in Section 4, below. EPA has renamed the heading above to "Referenced Standards Organizations" to avoid any further confusion.

- 2) <u>Qualifying Products</u>: For the purposes of ENERGY STAR, only those products that meet definitions
  1.A through 1.G, above, are eligible for qualification. Examples of product types that may be eligible
  for qualification include: reach-in, roll-in, or pass-through units; merchandisers; undercounter units;
  milk coolers; back bar coolers; bottle coolers; glass frosters; deep well units; beer-dispensing or direct
  draw units; and bunker freezers.
- Drawer cabinets, prep tables, deli cases, and open air units are **not** eligible for ENERGY STAR under this Version 2.0 specification.
- Note: This specification is intended for commercial food-grade refrigeration equipment only.
  Laboratory-grade refrigeration equipment cannot qualify for ENERGY STAR under this Version 2.0
  specification.
- Solid and glass door refrigerators and freezers qualifying under this Version 2.0 specification must be
  third-party certified to applicable requirements set forth in the following quality and safety standards:
- (1) ANSI/NSF International Standard for Food Equipment Commercial Refrigerators and
  Freezers (ANSI/NSF 7-2007) and
- 235 (2) UL Standard for Commercial Refrigerators and Freezers (UL-471)

# Note: ANSI/NSF 7-2007 exempts equipment from some temperature performance requirements based on the type of food that is intended to be stored in the unit. Examples of equipment that would be exempt from the temperature performance requirements of this Standard include: refrigerators

<sup>2</sup> Ibid.

239 intended only for the storage or display of non-potentially hazardous bottled or canned products and 240 refrigerators intended only for the display of unprocessed produce. Please refer to ANSI/NSF 7-2007 241 to determine the applicable requirements for a specific equipment type.

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3) Energy-Efficiency Specifications for Qualifying Products: Commercial food-grade refrigerators and freezers must meet the requirements provided in Table 1, below, to qualify as ENERGY STAR.

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Table 1: Maximum Daily Energy Consumption (MDEC) Requirements (kWh/day) for ENERGY STAR Qualified Commercial Food-Grade Refrigerators and Freezers					
Product Volume (in cubic feet)	Refrigerator	Freezer			
Vertical Configuration					
Solid Door Cabinets					
0 < V < 15	≤ 0.089V + 1.411	≤ 0.250V + 1.250			
15 ≤ V < 30	≤ 0.037V + 2.200	≤ 0.400V − 1.000			
30 ≤ V < 50	≤ 0.056V + 1.635	≤ 0.163V + 6.125			
50 ≤ V	≤ 0.060V + 1.416	≤ 0.158V + 6.333			
Glass Door Cabinets					
0 < V < 15	≤ 0.118V + 1.382	≤ 0.607V + 0.893			
15 ≤ V < 30	≤ 0.140V + 1.050	≤ 0.733V – 1.000			
30 ≤ V < 50	≤ 0.088V + 2.625	≤ 0.250V + 13.500			
50 ≤ V	≤ 0.110V + 1.500	≤ 0.450V + 3.500			
Chest Configuration					
Solid or Glass Door Cabinets	≤ 0.125V + 0.475	≤ 0.270V + 0.130			

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Note: V = AHAM volume, as defined in Section 1, in cubic feet ( $ft^{2}$ ).

Note: Solid Door Small Volume Freezer Data

EPA has updated the current data set for small volume (0-15 cubic feet) solid door freezers with additional input from manufacturers and NRCan. As a result, there are now 4 models in this category. Given what remains a small data set, EPA has set the current proposed requirements in an effort to ensure some amount of savings beyond the Federal Standard while not over-reaching in terms of our best estimate of where the market is or might reasonably be for this small subcategory of products. This MDEC requirement may be revisited to determine whether changes need to be made should any additional performance data become available to NRCan and/or EPA.

**Glass Door Small Volume Freezer MDEC Modification** 

EPA has modified both the glass and solid door small volume freezer MDEC requirements so that they are consistent with expected performance: solid door requirements demonstrate greater efficiency than glass door freezers throughout all volume ranges.

In addition, based on the review of the data set, EPA noted that for small volume (0-15 cubic feet) glass door freezers, the Draft 3 proposed MDEC would be especially difficult for units with automatic defrost to meet. Recognizing the potential demand for automatic defrost as a product feature, EPA has adjusted the MDEC for this subcategory to better accommodate any additional energy required for this feature.

#### Note cont.:

#### **Additional Subcategorization**

Based on stakeholder input, EPA considers the current size ranges to be appropriate and sufficient and reflect the products available in the market. EPA does not support further segmentation of the small volume dataset at this time. True to our guiding principles, EPA has ensured that several different product types with different features are available to meet the proposed requirements.

#### Interior Lights

The energy consumed by interior lights can be a significant portion of the total energy consumed by a product. The purpose of including lighting during testing is to provide the end user with a true representation of the energy profile of the equipment as it will be used in operation. Based on the current dataset, EPA was able to confirm that both merchandising units (with lights always ON during the test procedure) and food storage units (with lights generally ON only when the door is open) are able to meet the proposed requirements.

#### Mixed Solid/Glass Door Cabinets

This section applies to mixed solid/glass door cabinets designed with two or more compartments contained in a single cabinet with different exterior door types (i.e., one is glass and one is solid) on the same side of the cabinet. The maximum daily energy consumption (MDEC) of mixed solid/glass door cabinets shall be the sum of all individual compartment MDEC values. For purposes of mixed solid/glass door cabinets, compartments are defined by the volume associated with the different exterior door types. The interior of these compartments may or may not be physically separated.

The volume of each individual compartment shall be measured, and its MDEC limit determined, based on the compartment's volume and door type, as listed in Table 1. The sum of the volumes of each compartment must be equivalent to the total AHAM volume of the cabinet. The following information must then be reported on the Qualifying Product Information (QPI) form for these types of units: the total energy consumption for the entire cabinet, the total volume of the cabinet, and the volume for each compartment.

**Example**: Consider a vertically-configured refrigeration cabinet with a total volume of 50 cubic feet with one glass half door and one solid half door on the same side. The maximum daily energy consumption (MDEC) of the equipment would be the sum of the MDEC for the two compartments. The requirement used to calculate the MDEC for each compartment is based on the compartments volume and door type:

Glass Door MDEC: (25 cu. ft. X 0.140) + 1.050 = 4.550 kWh/day Solid Door MDEC: (25 cu. ft. X 0.037) + 2.200 = 3.125 kWh/day

MDEC for entire cabinet: 4.550 kWh/day + 3.125 kWh/day = 7.675 kWh/day

**Note:** EPA clarified this section based on the addition of a definition for mixed solid/glass door cabinet in Section 1, above. In an effort to be consistent with language in Federal standard concerning this type of refrigeration equipment, EPA has decided not to modify the approach initially presented in the Draft 3 specification. Please refer to the January 9, 2009 Federal Register Notice, 72 FR 1092, for the Final Rule on this type of equipment.

#### Note cont:

 **Refrigerator-Freezer (Dual-Temperature) Units** EPA has not received a sufficient amount of market or energy consumption data to determine appropriate performance levels for refrigerator-freezer units. Therefore, EPA has determined that refrigerator-freezer units are not eligible to qualify in the Version 2.0 specification.

4) <u>Test Criteria</u>: Product models must be tested to ensure that they meet the ENERGY STAR guidelines. The test results must be reported to EPA using the Commercial Refrigerator and Freezer Version 2.0 QPI form. In addition to test results, product specification sheets (i.e. cut sheets) and test reports from an approved source, as described below, are required to be submitted for each qualifying product model.

**Note:** EPA is requesting the submittal of product specification sheets <u>and</u> test reports along with QPI forms to facilitate the ENERGY STAR qualification process, e.g. EPA can easily detect if a model is a drawer unit, prep table, or other unit type that is not eligible under the program. Since specification sheets are typically available on the manufacturer Web site, EPA has no plans to make them available for public review on the ENERGY STAR Web site.

A. **Testing Temperature:** Manufacturer must use ANSI/ASHRAE Standard 72-2005, "Method of Testing Commercial Refrigerators and Freezers" to measure the daily energy consumption of commercial food-grade refrigerators and freezers using the temperature specifications listed in Table 2, below.

Table 2: Temperature Specifications for Testing				
Product Type	Integrated average product temperature			
Commercial food-grade refrigerator	38 degrees ± 2 degrees F			
Commercial food-grade freezer	0 degrees ± 2 degrees F			

B. Additional Testing Conditions: Only those test procedures in ANSI/ASHRAE 72-2005 relevant to closed refrigerators are applicable to this specification. Manufacturers should report the total energy consumption of the product, which includes both the auxiliary energy and refrigeration energy consumption. In addition, equipment must be tested according to ANSI/ASHRAE 72-2005:

- With all standard, factory-installed accessories (lighting, perimeter heat, pan heater, etc.) in the "ON" position, if manually-controlled.
- With all accessories, such as electric condensate pans, <u>that come standard with equipment</u>, but not necessarily factory-installed, installed and in the "ON" position.

**Note**: EPA has clarified the requirement that **any** accessory, such as electric condensate pans, that comes **standard** with equipment, field or factory installed, should be tested installed and in the "ON" position. EPA confirmed that this is consistent with the Natural Resources Canada dataset used to derive the proposed requirements listed in Table 1, above.

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379		С	<b>Power Management Devices:</b> Equipment with energy management devices permanently
380		•	installed such that the operator is not able to adjust the settings, may be operational during the
201			that needs such that the operation is not able to adjust the settings, that be operational during the
202			test period, if the energy management device will nevel change to a new integrated average
382			product temperature after the test has been concluded. Energy management devices
383			permanently installed that <u>change</u> the equipment's integrated average product temperature after
384			the test has been concluded must be disabled during the test period.
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297			Note: Energy management devices that change the integrated everage product
200			Note. Energy management devices that change the integrated average product
200			temperature of a unit must be disabled during the test period. This is meant is to prevent
389			manufacturers from designing a mode of operation that while testing, consumes less
390			energy than actual operation in the field. In this case, the unit may not perform to end
391			user expectations and could even impact ENERGY STAR qualification.
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204			Assertable Testing Courses Test meants will each be asserted from a Coursemanial
394		D.	Acceptable lesting Sources: Test reports will only be accepted from a Commercial
395			Refrigeration Testing Laboratory that:
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397		i	Is approved by the California Energy Commission Appliance Efficiency Program. A list of
398			approved labs is available at http://www.energy.ca.gov/appliances/forms.
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402		1	Provides data that is verified by a certification body, which is accredited by the Standards
403			Council of Canada. Note: this approval process is identical to the requirements for Natural
404			Resources Canada. A list of accredited certification bodies may be found at
405			http://www.oee.nrcan.gc.ca/regulations/guide.cfm, in the section titled Energy Efficiency
406			Verification Mark
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400			Note: Deced on statishing is not EDA has added a new requirement for Third Darty
409			Note: Based on stakeholder input. EPA has added a new requirement for Third Party
410			testing to order to qualify for ENERGY STAR. EPA is now referencing approved testing
411			sources from the California Energy Commission and sources accredited by the
412			certification bodies listed on Natural Resources Canada. Manufacturers must use these
413			sources in conducting equipment testing and submitting test reports for ENERGY STAR
414			qualification. These organizations have well-established and effective testing
115			requirements with which most manufacturers are already familiar
415			requirements with which most manufacturers are already familiar.
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419	5)	Effe	ective Date: The date that manufacturers may begin to qualify products as ENERGY STAR will be
420		def	ined as the effective date of the agreement. Any previously executed agreement on the subject of
421		ΕN	ERGY STAR qualified commercial refrigerators and freezers shall be terminated effective
422		De	cember 31 2009
123		200	
423			A Qualifying and Laboling Broducts under Varsian 2.0: The ENERCY STAR Commercial
424			A. Quantying and Labeling Products under version 2.0. The ENERGY STAR Commercial
425			Refrigerators and Freezers Specification Version 2.0 shall go into effect on January 1, 2010.
426			All products, including models originally qualified under the previous Version 1.0 commercial
427			refrigerator and freezer specification, with a date of manufacture on or after January 1, 2010,
428			must meet the new Version 2.0 requirements in order to qualify for ENERGY STAR (including
429			additional manufacturing runs of models originally gualified under the previous specification)
430			The date of manufacture is specific to each unit and is the date (e.g. month and year) on
121			which a unit is considered to be completely accompled
431			which a unit is considered to be completely assembled.
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- 433 B. Glass door cabinets: Glass door cabinets, as defined in Section 1 above, meeting the 434 requirements of this Version 2.0 may begin qualifying for ENERGY STAR on April 1, 2009. 435 436 437 **Note:** In the case where product categories are eligible for gualification for the first time. 438 such as glass door cabinets, EPA is providing manufacturers the opportunity to gualify 439 and promote ENERGY STAR qualified units immediately upon finalization. The date in 440 which manufacturers can begin qualifying glass door units is April 1, 2009. To qualify 441 glass door units, existing ENERGY STAR Partners will only need to complete and submit 442 a revised Commitment Form. Manufacturers who are not currently an ENERGY STAR 443 Partner will need to complete and submit both a Partnership Agreement and a 444 Commitment Form. More information will be provided to partners in the memo 445 accompanying the Final specification. 446 447 448 6) Future Specification Revisions: ENERGY STAR reserves the right to revise the specifications should 449 technological and/or market changes affect its usefulness to purchasers, industry, or the environment. 450 In keeping with current policy, revisions to the specification are arrived at through discussions with 451 stakeholders. In the event of a specification revision, please note that the ENERGY STAR 452 qualification is not automatically granted for the life of a product model. To qualify with the energy 453 efficiency criteria of ENERGY STAR, a product model must meet the ENERGY STAR specification in 454 the effect on the date of manufacture. 455 456 Drawer Cabinets: EPA will monitor industry efforts to develop a test procedure to measure and 457 compare the energy performance of refrigerated drawer cabinets. Based on the availability of an 458 industry accepted test procedure and performance data, EPA may consider adding this product 459 category in future versions of this specification. 460 461 Laboratory Grade Refrigerators and Freezers: EPA is currently working with manufacturers of 462 laboratory grade refrigerators and freezers to develop separate requirements for equipment designed
- 462 for and used in laboratory environments. Once these requirements are finalized, EPA may amend
  464 this Version 2.0 specification to include laboratory grade refrigerators and freezers.