

**Amendment #2 to the
ENERGY STAR® Copier
Memorandum of Understanding between
The United States Environmental Protection Agency
and
FIELD(Company_1)**

I. This amendment modifies the voluntary agreement between **FIELD(Company_1)** (“ENERGY STAR® Partner” or “Partner”) and the United States Environmental Protection Agency (EPA). Amendment #2 is effective as of September 17, 1997 and applies to all Tier 2 copier models. Partner shall sign this amendment and return it to EPA in order to continue to participate in the ENERGY STAR Copier Program. Amendment #2 revises specific sections of the Copier MOU as noted below; sections of the MOU and Amendment #1 not addressed in Amendment #2 shall remain unchanged and in effect.

Definitions

II. Section II.A of the MOU (and Section II of Amendment #1) shall be deleted and replaced with the text below.

A. Copier: A commercial reprographic imaging unit whose sole function is the production of duplicates from a graphic hard copy original. A copier must include a marking system, an imaging system, and a paper handling module. All black and white plain paper technologies are covered under this MOU, though the intent is to focus on widely-used standard copier equipment such as light lens copiers. The specifications outlined below apply to standard-sized copiers designed to handle A4 or 8.5" x 11" paper and large format copiers designed to handle A2 or 17" x 22" paper or larger.

Copier Speed: Copies per minute (cpm) measures the reproduction speed of the copier. One copy is defined as one 8.5" x 11" or A4-sized page. Double-sided copies are considered as two images and therefore two copies even though they are copied onto one piece of paper. For all copier models sold in the U.S. market, measurement of copier speed shall be based on 8.5" x 11" letter-sized paper. For copiers sold in markets other than the U.S., copier speed shall be based on either 8.5" x 11" or A4-sized paper, depending on which is the standard in a particular market.

For large format copiers designed to handle primarily A2 or 17" x 22" paper or larger, the copier speed measured as A2- or A0-sized copies per minute shall be converted into A4-sized copier speeds as follows: (a) One A2 copy per minute is equivalent to four A4 copies per minute, and (b) One A0 copy per minute is equivalent to 16 A4 copies per minute.

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Copiers qualified under this MOU shall be divided into five categories: low speed standard-sized copiers, medium speed standard-sized copiers, high speed standard-sized copiers, low speed large format copiers, and medium and high speed large format copiers.

1. Low Speed Standard-Sized Copiers: Copiers with an engine speed for producing multiple images of 20 copies per minute or less.
2. Medium Speed Standard-Sized Copiers: Copiers with an engine speed for producing multiple images of greater than 20 and less than or equal to 44 copies per minute.
3. High Speed Standard-Sized Copiers: Copiers with an engine speed for producing multiple images of greater than 44 copies per minute.
4. Low Speed Large Format Copiers: Copiers with an engine speed for producing multiple images of 40 copies per minute or less (expressed as A4-sized copies per minute).
5. Medium and High Speed Large Format Copiers: Copiers with an engine speed for producing multiple images of greater than 40 copies per minute (expressed as A4-sized copies per minute).

Duplexing

III. In Table 2, under Automatic Duplex Mode for the 44+ cpm speed category, the word “Default” shall be deleted and replaced with the word “Optional.” The following table shall replace Table 2 in Section IV.B.1 of the MOU (and Section V of Amendment #1).

Table 2. Tier 2 Criteria for the ENERGY STAR Copier Program. (July 1, 1997)

Copier Speed (copies per minute)	Low-Power Mode ³ (watts)	Low- Power Default Time	Recovery Time 30 seconds	Off Mode (watts)	Off Mode Default Time	Automatic Duplex Mode
0 < cpm ≤ 20	None	NA	NA	≤ 5	≤ 30 min.	No
20 < cpm ≤ 44	3.85 x cpm + 5	15 min.	Yes	≤ 15	≤ 60 min.	Optional
44 < cpm	3.85 x cpm + 5	15 min.	Recommende d	≤ 20	≤ 90 min.	Optional

IV. Paragraph 3 of Section IV.B.1 of the MOU (and Section VIII of Amendment #1) shall be deleted and replaced with the text below.

For all copier speeds where it is *optional* that the duplex mode be set as the default, if a model is shipped with automatic duplexing capabilities, then it is *recommended* that duplexing be set as the default mode. Partner may provide users with the ability to override this default duplex mode for single-sided copies.

V. Section IV.B.2.c of the MOU shall be deleted and replaced with the following text.

c. High Speed Standard-Sized Copiers and Medium and High Speed Large Format Copiers

The ENERGY STAR logo may be applied directly to any qualifying base unit, regardless of whether it is shipped with additional accessories. Any copier model that includes any qualified base unit may be deemed an ENERGY STAR compliant copier model.

For Tier 2, it is recommended that high speed standard-sized copier models be able to recover from the low-power mode within 30 seconds or less. For Tier 3, it is recommended that medium and high speed large format copier models be able to recover from the low-power mode within 30 seconds or less. Declaration of the recovery time shall be placed in product literature. (See Section IV.C.1 of the MOU.)

Large Format Copiers

VI. Footnote #2, which appears in Section IV.B of the MOU (and Section VI of Amendment #1), shall be deleted. Instead, the following text shall be added after Table 2 in Section IV.B.1 of the MOU.

To qualify as ENERGY STAR compliant, copier models designed to handle primarily A2 or 17" x 22" paper or larger shall meet the specifications provided in Tables 3 and 4. All large format copier speeds shall be measured with respect to the number of A4-sized copies that are produced per minute, as described above.

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*Table 3. Tier 2 Criteria for the ENERGY STAR Copier Program -- LARGE
 FORMAT COPIERS (effective immediately)*

Copier Speed (copies per minute)	Low-Power Mode (watts)	Low- Power Default Time	Recovery Time 30 seconds	Off Mode (watts)	Off Mode Default Time	Automatic Duplex Mode
0 < cpm ≤ 40	NA	NA	NA	≤ 20	≤ 30 min.	No
40 < cpm	NA	NA	NA	≤ 40	≤ 90 min.	No

*Table 4. Tier 3 Criteria for the ENERGY STAR Copier Program -- LARGE
 FORMAT COPIERS (effective July 1, 1999)*

Copier Speed (copies per minute)	Low-Power Mode (watts)	Low- Power Default Time	Recovery Time 30 Seconds	Off Mode (watts)	Off Mode Default Time	Automatic Duplex Mode
0 < cpm ≤ 40	NA	NA	NA	≤ 10	≤ 30 min.	No
40 < cpm	3.85 x cpm + 5	15 min.	Recommende d	≤ 20	≤ 90 min.	No

For Tier 3, Partner shall ship copier models with the default time for the low-power mode set at 15 minutes. Partner shall set the default times for the auto-off feature to the levels specified in Tables 3 and 4 above. The default times for the off mode and the low-power mode shall be measured from the time the last copy was made.

VII. The following text shall be added immediately after Section VI.G of the MOU.

H. Partner understands that the ENERGY STAR® name and the ENERGY STAR logo are registered marks of the United States Government as represented by the Administrator of EPA, and are subject to the provisions of Title 15, Chapter 22, United States Code, the various state laws applicable to trademarks, and this Memorandum of Understanding. As such, the Partner shall note this registered status, as appropriate. This may include: (a) inserting the registered symbol, ®, next to the ENERGY STAR name (i.e., ENERGY STAR®) each time it appears in a brochure, poster, advertisement, or other document, or (b) providing the following statement: "ENERGY STAR is a U.S. registered mark." Partner shall

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refer to the Logo Use Guidelines for a complete explanation of the proper use of the ENERGY STAR name and logo.

VIII. This amendment to the Copier MOU shall become effective immediately upon signature by EPA and **FIELD**(Company_1).

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The undersigned hereby execute this amendment to the Copier Memorandum of Understanding on behalf of their parties. The signer of this agreement affirms that he/she has the authority to commit Partner to participation in the ENERGY STAR Office Equipment Program.

For the U.S. Environmental Protection Agency (EPA):

Signature: _____ Date: _____

Name: Paul M. Stolpman

Title: Director, Office of Atmospheric Programs

For **FIELD(Company_1):**

Signature: _____ Date: _____

Name: _____

Title: _____