

Bulletin No. 1997–13

March 31, 1997

SECTION 4. ELECTRONIC STORAGE SYSTEM REQUIREMENTS

.01 General Requirements.

- (1) An electronic storage system must ensure an accurate and complete transfer of the hardcopy or computerized books and records to an electronic storage media. The electronic storage system must also index, store, preserve, retrieve, and reproduce the electronically stored books and records.
- (2) An electronic storage system must include:
 - (a) reasonable controls to ensure the integrity, accuracy, and reliability of the electronic storage system;
 - (b) reasonable controls to prevent and detect the unauthorized creation of, addition to, alteration of, deletion of, or deterioration of electronically stored books and records;
 - (c) an inspection and quality assurance program evidenced by regular evaluations of the electronic storage system including periodic checks of electronically stored books and records;
 - (d) a retrieval system that includes an indexing system (within the meaning of section 4.02 of this revenue procedure); and
 - (e) the ability to reproduce legible and readable hardcopies (within the meaning of section 4.01(3) of this revenue procedure) of electronically stored books and records.
- (3) All books and records reproduced by the electronic storage system must exhibit a high degree of legibility and readability when displayed on a video display terminal and when reproduced in hardcopy. The term “legibility” means the observer must be able to identify all letters and numerals positively

and quickly to the exclusion of all other letters or numerals. The term “readability” means that the observer must be able to recognize a group of letters or numerals as words or complete numbers. The taxpayer must ensure that the reproduction process maintains the legibility and readability of the electronically stored document.

(4) The information maintained in an electronic storage system must provide support for the taxpayer’s books and records (including books and records in an automated data processing system). For example, the information maintained in an electronic storage system and the taxpayer’s books and records must be cross-referenced in a manner that provides an audit trail between the general ledger and the source document(s).

(5) For each electronic storage system used, the taxpayer must maintain, and make available to the Service upon request, complete descriptions of:

(a) the electronic storage system, including all procedures relating to its use; and

(b) the indexing system (see section 4.02 of this revenue procedure).

(6) At the time of an examination, or for the tests described in section 5 of this revenue procedure, the taxpayer must:

(a) retrieve and reproduce (including hardcopies if requested) electronically stored books and records; and

(b) provide the Service with the resources (e.g., appropriate hardware and software, personnel, documentation, etc.) necessary to locate, retrieve, read, and reproduce (including hardcopies) any electronically stored books and records.

(7) An electronic storage system must not be subject, in whole or in part, to any agreement (such as a contract or license) that would limit or restrict the

Service's access to and use of the electronic storage system on the taxpayer's premises (or any other place where the electronic storage system is maintained), including personnel, hardware, software, files, indexes, and software documentation.

(8) The taxpayer must retain electronically stored books and records so long as their contents may become material in the administration of the Internal Revenue laws under § 1.6001-1(e).

(9) The taxpayer may use more than one electronic storage system. In that event, each electronic storage system must meet the requirements of this revenue procedure. Electronically stored books and records that are contained in an electronic storage system with respect to which the taxpayer ceases to maintain the hardware and the software necessary to satisfy the conditions of this revenue procedure will be deemed destroyed by the taxpayer, unless the electronically stored books and records remain available to the Service in conformity with this revenue procedure.

(10) Taxpayers may use reasonable data compression or formatting technologies as part of their electronic storage system so long as the requirements of this revenue procedure are satisfied.

.02 Requirements of an Indexing System.

(1) For purposes of this revenue procedure, an "indexing system" is a system that permits the identification and retrieval for viewing or reproducing of relevant books and records maintained in an electronic storage system.

For example, an indexing system might consist of assigning each electronically stored document a unique identification number and maintaining a separate database that contains descriptions of all electronically stored books and records along with their identification numbers. In addition, any system used to maintain, organize, or coordinate multiple

electronic storage systems is treated as an indexing system under this revenue procedure. The requirement to maintain an indexing system will be satisfied if the indexing system is functionally comparable to a reasonable hardcopy filing system. The requirement to maintain an indexing system does not require that a separate electronically stored books and records description database be maintained if comparable results can be achieved without a separate description database.

(2) Reasonable controls must be undertaken to protect the indexing system against the unauthorized creation of, addition to, alteration of, deletion of, or deterioration of any entries.

.03 Recommended Practices. The implementation of records management practices is a business decision that is solely within the discretion of the taxpayer. Records management practices may include the labeling of electronically stored books and records, providing a secure storage environment, creating back-up copies, selecting an off-site storage location, retaining hardcopies of books or records that are illegible or that cannot be accurately or completely transferred to an electronic storage system, and testing to confirm records integrity.

SECTION 5. DISTRICT DIRECTOR TESTING

.01 The District Director may periodically initiate tests of a taxpayer's electronic storage system. These tests may include an evaluation (by actual use) of a taxpayer's equipment and software, as well as the procedures used by a taxpayer to prepare, record, transfer, index, store, preserve, retrieve, and reproduce electronically stored documents. In some instances, the District

10

Director may choose to review the internal controls, security procedures, and

documentation associated with the taxpayer's electronic storage system.

.02 The tests described in section 5.01 of this revenue procedure are not an "examination," "investigation," or "inspection" of the books and records within the meaning of § 7605(b), or a prior audit for purposes of § 530 of the Revenue Act of 1978, 1978-3 (Vol.1) C.B. 119, as amended by § 1122 of the Small Business Job Protection Act of 1996, because these tests are not directly related to the determination of the tax liability of a taxpayer for a particular taxable period.

.03 The District Director must inform the taxpayer of the results of any tests under this section.

SECTION 6. COMPLIANCE

.01 A taxpayer's electronic storage system that meets the requirements of this revenue procedure will be treated as being in compliance with the recordkeeping requirements of § 6001 and the regulations thereunder.

.02 A taxpayer's electronic storage system that fails to meet the requirements of this revenue procedure may be treated as not being in compliance with the recordkeeping requirements of § 6001 and the regulations thereunder. See section 9 of this revenue procedure for applicable penalties. However, even though a taxpayer's electronic storage system fails to meet the requirements of this revenue procedure, the penalties described in section 9 of this revenue procedure may not apply if the taxpayer maintains its original books and records, or maintains its books and records in micrographic form in conformity with Rev. Proc. 81-46, 1981-2 C.B. 621.

SECTION 7. DESTRUCTION AND DELETION OF ORIGINAL BOOKS AND RECORDS

This revenue procedure permits the destruction of the original hardcopy books and records and the deletion of

the original computerized records (other than "machine-sensible" records required to be retained by Rev. Proc.

91-59, 1991-2 C.B. 841), after the taxpayer:

(1) has completed its own testing of the electronic storage system that establishes that hardcopy or computerized books and records are being reproduced in compliance with all the provisions of this revenue procedure; and

(2) has instituted procedures that ensure its continued compliance with all the provisions of this revenue procedure.

SECTION 8. IMPACT ON

MACHINE-SENSIBLE RECORDS

The provisions of this revenue procedure regarding electronically stored books and records do not relieve taxpayers

of the responsibility of retaining any other books and records required to be retained under § 6001. Such other

books and records may include "machine-sensible" records required to be retained by Rev. Proc. 91-59 in

connection with the taxpayer's use of an automatic data processing (ADP) system.

SECTION 9. PENALTIES

The District Director may issue a Notice of Inadequate Records pursuant to § 1.6001-1(d) if the taxpayer's books and records are available only as electronically

stored books and records and the taxpayer's electronic storage system fails to meet the requirements of this

revenue procedure. Taxpayers whose electronic storage system fails to meet the requirements of this revenue procedure

may also be subject to applicable penalties under subtitle F of the Code, including the § 6662(a) accuracy-related

civil penalty and the § 7203 willful failure criminal penalty.

SECTION 10. INTERNAL REVENUE

SERVICE OFFICE CONTACT

.01 Questions regarding this revenue procedure should be directed to the Office of the Assistant Commissioner

(Examination). The telephone number for this office is (202) 622-5480 (not a toll-free number). Written questions should be addressed to: Assistant Commissioner (Examination) Attention: CP:EX Internal Revenue Service 1111 Constitution Ave., NW Washington, DC 20224 .02 Questions regarding the application of this revenue procedure to a specific factual situation should be directed to the appropriate District Director.

SECTION 11. PAPERWORK REDUCTION ACT

The collections of information contained in this revenue procedure have been reviewed and approved by the Office of Management and Budget in accordance with the Paperwork Reduction Act (44 U.S.C. 3507) under control number 1545-1533.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the collection of information displays a valid control number.

The collections of information are in sections 4 and 5 of this revenue procedure. This information is required to ensure that records maintained in an electronic storage system will constitute records within the meaning of § 6001.

The collections of information are mandatory for a taxpayer who chooses to electronically store its books and records. The likely respondents are individuals, state or local governments, farms, business or other for-profit institutions, federal agencies or employees, nonprofit institutions, and small businesses or organizations.

The estimated total annual recordkeeping burden is 1,000,400 hours.

The estimated annual burden per recordkeeper will vary from 20 hours to

22 hours, depending on individual circumstances, with an estimated average of 20 hours. The estimated number of recordkeepers is 50,000. Books or records relating to a collection of information must be retained as long as their contents may become material in the administration of any internal revenue law. Generally tax returns and tax return information are confidential, as required by 26 U.S.C. 6103.

11 SECTION 4. ELECTRONIC STORAGE SYSTEM REQUIREMENTS

.01 General Requirements.

(1) An electronic storage system must ensure an accurate and complete transfer of the hardcopy or computerized books and records to an electronic storage media. The electronic storage system must also index, store, preserve, retrieve, and reproduce the electronically stored books and records.

(2) An electronic storage system must include:

- (a) reasonable controls to ensure the integrity, accuracy, and reliability of the electronic storage system;
- (b) reasonable controls to prevent and detect the unauthorized creation of, addition to, alteration of, deletion of, or deterioration of electronically stored books and records;
- (c) an inspection and quality assurance program evidenced by regular evaluations of the electronic storage system including periodic checks of electronically stored books and records;
- (d) a retrieval system that includes an indexing system (within the meaning of section 4.02 of this revenue procedure); and
- (e) the ability to reproduce legible and readable hardcopies (within the meaning of section 4.01(3) of this revenue procedure) of electronically stored

books and records.

(3) All books and records reproduced by the electronic storage system must exhibit a high degree of legibility and readability when displayed on a video display terminal and when reproduced in hardcopy. The term “legibility” means the observer must be able to identify all letters and numerals positively and quickly to the exclusion of all other letters or numerals. The term “readability” means that the observer must be able to recognize a group of letters or numerals as words or complete numbers. The taxpayer must ensure that the reproduction process maintains the legibility and readability of the electronically stored document.

(4) The information maintained in an electronic storage system must provide support for the taxpayer’s books and records (including books and records in an automated data processing system). For example, the information maintained in an electronic storage system and the taxpayer’s books and records must be cross-referenced in a manner that provides an audit trail between the general ledger and the source document(s).

(5) For each electronic storage system used, the taxpayer must maintain, and make available to the Service upon request, complete descriptions of:

(a) the electronic storage system, including all procedures relating to its use; and

(b) the indexing system (see section 4.02 of this revenue procedure).

(6) At the time of an examination, or for the tests described in section 5 of this revenue procedure, the taxpayer must:

(a) retrieve and reproduce (including hardcopies if requested) electronically stored books and records; and

(b) provide the Service with the resources (e.g., appropriate hardware

and software, personnel, documentation, etc.) necessary to locate, retrieve, read, and reproduce (including hardcopies) any electronically stored books and records.

(7) An electronic storage system must not be subject, in whole or in part, to any agreement (such as a contract or license) that would limit or restrict the Service’s access to and use of the electronic storage system on the taxpayer’s premises (or any other place where the electronic storage system is maintained), including personnel, hardware, software, files, indexes, and software documentation.

(8) The taxpayer must retain electronically stored books and records so long as their contents may become material in the administration of the Internal Revenue laws under § 1.6001–1(e).

(9) The taxpayer may use more than one electronic storage system. In that event, each electronic storage system must meet the requirements of this revenue procedure. Electronically stored books and records that are contained in an electronic storage system with respect to which the taxpayer ceases to maintain the hardware and the software necessary to satisfy the conditions of this revenue procedure will be deemed destroyed by the taxpayer, unless the electronically stored books and records remain available to the Service in conformity with this revenue procedure.

(10) Taxpayers may use reasonable data compression or formatting technologies as part of their electronic storage system so long as the requirements of this revenue procedure are satisfied.

.02 Requirements of an Indexing System.

(1) For purposes of this revenue procedure, an “indexing system” is a system that permits the identification and retrieval for viewing or reproducing of relevant books and records maintained in an electronic storage system.

For example, an indexing system might consist of assigning each electronically stored document a unique identification number and maintaining a separate database that contains descriptions of all electronically stored books and records along with their identification numbers. In addition, any system used to maintain, organize, or coordinate multiple electronic storage systems is treated as an indexing system under this revenue procedure. The requirement to maintain an indexing system will be satisfied if the indexing system is functionally comparable to a reasonable hardcopy filing system. The requirement to maintain an indexing system does not require that a separate electronically stored books and records description database be maintained if comparable results can be achieved without a separate description database.

(2) Reasonable controls must be undertaken to protect the indexing system against the unauthorized creation of, addition to, alteration of, deletion of, or deterioration of any entries.

.03 Recommended Practices. The implementation of records management practices is a business decision that is solely within the discretion of the taxpayer. Records management practices may include the labeling of electronically stored books and records, providing a secure storage environment, creating back-up copies, selecting an off-site storage location, retaining hardcopies of books or records that are illegible or that cannot be accurately or completely transferred to an electronic storage system, and testing to confirm records integrity.

SECTION 5. DISTRICT DIRECTOR TESTING

.01 The District Director may periodically initiate tests of a taxpayer's electronic storage system. These tests may include an evaluation (by actual

use) of a taxpayer's equipment and software, as well as the procedures used by a taxpayer to prepare, record, transfer, index, store, preserve, retrieve, and reproduce electronically stored documents. In some instances, the District

10

Director may choose to review the internal controls, security procedures, and documentation associated with the taxpayer's electronic storage system.

.02 The tests described in section 5.01 of this revenue procedure are not an "examination," "investigation," or "inspection" of the books and records within the meaning of § 7605(b), or a prior audit for purposes of § 530 of the Revenue Act of 1978, 1978-3 (Vol.1) C.B. 119, as amended by § 1122 of the Small Business Job Protection Act of 1996, because these tests are not directly related to the determination of the tax liability of a taxpayer for a particular taxable period.

.03 The District Director must inform the taxpayer of the results of any tests under this section.

SECTION 6. COMPLIANCE

.01 A taxpayer's electronic storage system that meets the requirements of this revenue procedure will be treated as being in compliance with the recordkeeping requirements of § 6001 and the regulations thereunder.

.02 A taxpayer's electronic storage system that fails to meet the requirements of this revenue procedure may be treated as not being in compliance with the recordkeeping requirements of § 6001 and the regulations thereunder. See section 9 of this revenue procedure for applicable penalties. However, even though a taxpayer's electronic storage system fails to meet the requirements of this revenue procedure, the penalties described in section 9 of this revenue procedure may not apply if the taxpayer maintains its original books and records,

or maintains its books and records in micrographic form in conformity with Rev. Proc. 81-46, 1981-2 C.B. 621.

SECTION 7. DESTRUCTION AND DELETION OF ORIGINAL BOOKS AND RECORDS

This revenue procedure permits the destruction of the original hardcopy books and records and the deletion of the original computerized records (other than "machine-sensible" records required to be retained by Rev. Proc. 91-59, 1991-2 C.B. 841), after the taxpayer:

(1) has completed its own testing of the electronic storage system that establishes that hardcopy or computerized books and records are being reproduced in compliance with all the provisions of this revenue procedure; and
(2) has instituted procedures that ensure its continued compliance with all the provisions of this revenue procedure.

SECTION 8. IMPACT ON MACHINE-SENSIBLE RECORDS

The provisions of this revenue procedure regarding electronically stored books and records do not relieve taxpayers of the responsibility of retaining any other books and records required to be retained under § 6001. Such other books and records may include "machine-sensible" records required to be retained by Rev. Proc. 91-59 in connection with the taxpayer's use of an automatic data processing (ADP) system.

SECTION 9. PENALTIES

The District Director may issue a Notice of Inadequate Records pursuant to § 1.6001-1(d) if the taxpayer's books and records are available only as electronically stored books and records and the taxpayer's electronic storage system fails to meet the requirements of this revenue procedure. Taxpayers whose electronic storage system fails to meet the requirements of this revenue procedure may also be subject to applicable

penalties under subtitle F of the Code, including the § 6662(a) accuracy-related civil penalty and the § 7203 willful failure criminal penalty.

SECTION 10. INTERNAL REVENUE SERVICE OFFICE CONTACT

.01 Questions regarding this revenue procedure should be directed to the Office of the Assistant Commissioner (Examination). The telephone number for this office is (202) 622-5480 (not a toll-free number). Written questions should be addressed to: Assistant Commissioner (Examination)

Attention: CP:EX
Internal Revenue Service
1111 Constitution Ave., NW
Washington, DC 20224

.02 Questions regarding the application of this revenue procedure to a specific factual situation should be directed to the appropriate District Director.

SECTION 11. PAPERWORK REDUCTION ACT

The collections of information contained in this revenue procedure have been reviewed and approved by the Office of Management and Budget in accordance with the Paperwork Reduction Act (44 U.S.C. 3507) under control number 1545-1533.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the collection of information displays a valid control number.

The collections of information are in sections 4 and 5 of this revenue procedure. This information is required to ensure that records maintained in an electronic storage system will constitute records within the meaning of § 6001.

The collections of information are mandatory for a taxpayer who chooses to electronically store its books and records. The likely respondents are individuals, state or local governments,

farms, business or other for-profit institutions, federal agencies or employees, nonprofit institutions, and small businesses or organizations.

The estimated total annual recordkeeping burden is 1,000,400 hours.

The estimated annual burden per recordkeeper will vary from 20 hours to 22 hours, depending on individual circumstances,

with an estimated average of 20 hours. The estimated number of recordkeepers is 50,000.

Books or records relating to a collection of information must be retained as long as their contents may become material in the administration of any internal revenue law. Generally tax returns and tax return information are confidential, as required by 26 U.S.C. 6103.