

INSTRUCTION SHEET FOR SSAR REVISION 4

Enclosed are updated chapters to replace existing chapters in your AP600 Standard Safety Analysis Report (SSAR). The roadmap included with this package is a guide and is not intended to be inserted into the SSAR. If you inserted a roadmap as part of Revision 3, please remove it and keep it with the roadmap for Revision 4. The replacement documents are broken into three packages:

- Package 1 contains the roadmap for Revision 4, chapter tables of contents, and proprietary tables of contents.
- Package 2 contains the overall SSAR Table of Contents.
- Package 3 contains replacement pages for SSAR revisions 2 and 3 and the List of Effective Pages.

Entries in **boldface** signify Revision 4 updates. Entries in *italics* are clarifications of instructions from previous SSAR revisions. Entries in ***bold italics*** indicate pages that should be removed from the document. Unless otherwise noted, there are no replacement pages for these entries.

In addition to the replacement chapters is a new overall SSAR Table of Contents that should go in the front of each volume, which is why you are getting 11 copies of the overall Table of Contents. This supersedes the overall Table of Contents that was part of Revision 1. Finally, this package includes detailed individual tables of contents for each chapter.

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 1

AP600 List of Effective Pages, Rev. 3

AP600 List of Effective Pages, Rev. 4
Package 3

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 1

Chapter 1 Table of Contents, Rev. 3
Chapter 1 List of Tables, Rev. 3
Chapter 1 List of Figures, Rev. 3

Chapter 1 Table of Contents, Rev. 4
Chapter 1 List of Tables, Rev. 4
Chapter 1 List of Figures, Rev. 4
Package 1

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 1 (Cont.)

1.2, Rev. 3

Remove pages beyond 1.2-88; 1.2-88 is the last page in this section.

1.5, Rev. 3

Pages 1.5-11 to 1.5-14

There are no replacement pages.

1.7, Rev. 3

Pages 1.7-1 to 1.7-21, Rev. 3

The instructions for SSAR Rev. 3 stated that pages 1.7-1 to 1.7-21 should be inserted. The last page in the insertion package was actually 1.7-23, Rev. 3.

1.7, Rev. 3

Page 1.7-21, Rev. 3

Page 1.7-21, Rev. 4

Package 3

Chapter 2

Chapter 2 Table of Contents, Rev. 2

Chapter 2 List of Tables, Rev. 2

Chapter 2 List of Figures, Rev. 2

Chapter 2 Table of Contents, Rev. 4

Chapter 2 List of Tables, Rev. 4

Chapter 2 List of Figures, Rev. 4

Package 1

Appendix 2A , Rev. 3

The instructions for SSAR, Rev. 3 stated that pages 2A-1 through 2A-86 should be inserted. The insertion package actually included pages 2A-1 to 2A-91, Rev. 3.

Page 2A-91, Rev. 3

Reprinted page 2A-91, Rev. 3, with a blank reverse side, before Appendix 2B.

Package 3

TAB 2B

Insert before the Table of Contents for Appendix 2B. Previous revisions did not include Tab 2B.

Package 3

Appendix 2B, Rev. 3

Reprinted Appendix 2B, Rev. 3

Package 3

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 2

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 3

Chapter 3 Table of Contents, Rev. 3
Chapter 3 List of Tables, Rev. 3
Chapter 3 List of Figures, Rev. 3

Chapter 3 Table of Contents, Rev. 4
Chapter 3 List of Tables, Rev. 4
Chapter 3 List of Figures, Rev. 4
Package 1

3. 4, Rev. 1
Pages 3.4-1 to 3.3-14, Rev. 1

New Section 3.4, pages 3.4-1 to 3.4-24, Rev. 4.
Package 3

3.6, Rev. 1
Pages 3.6-1 to 3.6-29, Rev. 1

New Section 3.6, pages 3.6-1 to 3.6-47, Rev. 4.
Package 3

Volume 3

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

3.9, Rev. 1
Pages 3.9-1 to 3.9

New Section 3.9, pages 3.9-1 to 3.9-169,
Rev. 4.
Package 3

Appendix 3C, Rev. 1
Pages 3C-1 to 3C-9, Rev. 1

New Appendix 3C, pages 3C-1 to 3C-9, Rev. 4.
Package 3

Appendix 3E, Rev. 1
Pages 3E-1 to 3E-12, Rev. 1

New Appendix 3E, pages 3E-1 to 3E-19, Rev. 4.
Package 3

Appendix 3H, Rev. 3

Reprinted Appendix 3H, Rev. 3
Package 3

Chapter 4

Chapter 4 Table of Contents, Rev. 3
Chapter 4 List of Tables, Rev. 3
Chapter 4 List of Figures, Rev. 3

Chapter 4 Table of Contents, Rev. 4
Chapter 4 List of Tables, Rev. 4
Chapter 4 List of Figures, Rev. 4
Package 1

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 3 (Cont.)

4.2, Rev. 3

The instructions for SSAR, Rev. 3 stated that pages 4.2-1 to 4.2-45 should be replaced with Rev. 3 material. The referenced Rev. 3 material contained pages 4.2-1 through 4.2-54, Rev. 3.

4.4, Rev. 0

Pages 4.4-1 to 4.4-34, Rev. 0

The instructions for SSAR, Rev. 3 stated that pages 4.4-1 to 4.4-34, Rev. 0 should be replaced with pages 4.4-1 to 4.4-46, Rev. 3. The insertion package was actually pages 4.4-1 to 4.4-37, Rev. 3.

Volume 4

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4

Package 2

Chapter 5

Chapter 5 Table of Contents, Rev. 3

Chapter 5 List of Tables, Rev. 3

Chapter 5 List of Figures, Rev. 3

Chapter 5 Table of Contents, Rev. 4

Chapter 5 List of Tables, Rev. 4

Chapter 5 List of Figures, Rev. 4

Package 1

5.1, Rev. 0

Pages 5.1-1 to 5.1-15, Rev 0

New Section 5.1, pages 5.1-1 to 5.1-19, Rev. 4.

Package 3

5.4, Rev. 1

Pages 5.4-1 to 5.4-81, Rev. 1

New Section 5.4, pages 5.4-1 to 5.4-99, Rev. 4.

Package 3

Chapter 6

Chapter 6 Table of Contents, Rev. 2

Chapter 6 List of Tables, Rev. 2

Chapter 6 List of Figures, Rev. 2

Chapter 6 Table of Contents, Rev. 4

Chapter 6 List of Tables, Rev. 4

Chapter 6 List of Figures, Rev. 4

Package 1

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 4 (Cont.)

Chapter 7

Chapter 7 Table of Contents, Rev. 3
Chapter 7 List of Tables, Rev. 3
Chapter 7 List of Figures, Rev. 3

Chapter 7 Table of Contents, Rev. 4
Chapter 7 List of Tables, Rev. 4
Chapter 7 List of Figures, Rev. 4
Package 1

7.4, Rev. 0
Pages 7.4-1 to 7.4-10, Rev. 0

New Section 7.4, pages 7.4-1 to 7.4-15, Rev. 4.
Package 3

7.7, Rev. 3
Pages 7.7-1 to 7.7-27, Rev. 3

The Instructions for SSAR, Rev. 3 stated that pages 7.7-1 to 7.7-28 should be replaced. The instructions should have said pages 7.7-1 to 7.7-27, Rev. 3. There is no page 7.7-28.

Volume 5

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 8

Chapter 8 Table of Contents, Rev. 3
Chapter 8 List of Tables, Rev. 3
Chapter 8 List of Figures, Rev. 3

Chapter 8 Table of Contents, Rev. 4
Chapter 8 List of Tables, Rev. 4
Chapter 8 List of Figures, Rev. 4
Package 1

Chapter 9

Chapter 9 Table of Contents, Rev. 3
Chapter 9 List of Tables, Rev. 3
Chapter 9 List of Figures, Rev. 3

Chapter 9 Table of Contents, Rev. 4
Chapter 9 List of Tables, Rev. 4
Chapter 9 List of Figures, Rev. 4
Package 1

9.3, Rev. 0
Pages 9.3-1 to 9.3-78, Rev. 0

New Section 9.3, pages 9.3-1 to 9.3-107,
Rev. 4.
Package 3

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 6

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

9.5, Rev. 3

The Instructions for SSAR, Rev. 3 stated that pages 9.5-1 to 9.5-68 should be replaced. The Rev. 3 insertion package actually covered pages 9.5-1 to 9.5-87.

Volume 7

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 10

Chapter 10 Table of Contents, Rev. 3
Chapter 10 List of Tables, Rev. 3
Chapter 10 List of Figures, Rev. 3

Chapter 10 Table of Contents, Rev. 4
Chapter 10 List of Tables, Rev. 4
Chapter 10 List of Figures, Rev. 4
Package 1

10.4, Rev. 1
Pages 10.4-1 to 10.4-73, Rev. 1

New Section 10.4, pages 10.4-1 to 10.4-109,
Rev. 4.
Package 3

Chapter 11

Chapter 11 Table of Contents, Rev. 3
Chapter 11 List of Tables, Rev. 3
Chapter 11 List of Figures, Rev. 3

Chapter 11 Table of Contents, Rev. 4
Chapter 11 List of Tables, Rev. 4
Chapter 11 List of Figures, Rev. 4
Package 1

11.4, Rev. 2
Pages 11.4-1 to 11.4-43, Rev. 2

New Section 11.4, pages 11.4-1 to 11.4-43,
Rev. 4
Package 3

Chapter 12

Chapter 12 Table of Contents, Rev. 3
Chapter 12 List of Tables, Rev. 3
Chapter 12 List of Figures, Rev. 3

Chapter 12 Table of Contents, Rev. 4
Chapter 12 List of Tables, Rev. 4
Chapter 12 List of Figures, Rev. 4
Package 1

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 7 (Cont.)

12.2, Rev. 3

New Section 12.2, pages 12.2-9 to 12.2-10,
Rev. 4.
Package 3

12.5, Rev. 1
Pages 12.5-1 to 12.5-4, Rev 1

New Section 12.5, pages 12.5-1 to 12.5-5,
Rev. 4.
Package 3

Volume 8

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 13

Chapter 13 Table of Contents, Rev. 3

Chapter 13 Table of Contents, Rev. 4
Package 1

Chapter 14

Chapter 14 Table of Contents, Rev. 3
Chapter 14 List of Tables, Rev. 3

Chapter 14 Table of Contents, Rev. 4
Chapter 14 List of Tables, Rev. 4
Package 1

Volume 9

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 15

Chapter 15 Table of Contents, Rev. 0
Chapter 15 List of Tables, Rev. 0
Chapter 15 List of Figures, Rev. 0

Chapter 15 Table of Contents, Rev. 4
Chapter 15 List of Tables, Rev. 4
Chapter 15 List of Figures, Rev. 4
Package 1

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Volume 10

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 16

Chapter 16 Table of Contents, Rev. 1
Chapter 16 List of Tables, Rev. 1

Chapter 16 Table of Contents, Rev. 4
Chapter 16 List of Tables, Rev. 4
Package 1

Volume 11

Table of Contents, Rev. 1

SSAR Table of Contents, Rev. 4
Package 2

Chapter 17

Chapter 17 Table of Contents, Rev. 3

Chapter 17 Table of Contents, Rev. 4
Package 1

Chapter 18

Chapter 18 Table of Contents, Rev. 1
Chapter 18 List of Tables, Rev. 1
Chapter 18 List of Figures, Rev. 1

Chapter 18 Table of Contents, Rev. 4
Chapter 18 List of Tables, Rev. 4
Chapter 18 List of Figures, Rev. 4
Package 1

Proprietary Volume 1

Table of Contents, Rev. 0/1

Proprietary Table of Contents, Rev. 4
Proprietary List of Figures, Rev. 4
Proprietary List of Tables, Rev. 4
Package 1

P.1, Rev. 1

Pages P.1-i to P.1-ii, Rev. 1

There are no replacement pages.

P.3, Rev. 1

Pages P.3-i to P.3-iv, Rev. 1

There are no replacement pages.

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Proprietary Volume 2

Table of Contents, Rev. 0/1

Proprietary Table of Contents, Rev. 4
Proprietary List of Figures, Rev. 4
Proprietary List of Tables, Rev. 4
Package 1

*P5 Rev. 0
Pages P5-i to P5-ii*

There are no replacement pages.

P5.1, Rev. 1
Pages P5.1-1 to P5.1-7, Rev. 1

New Section P5.1, pages P5.1-1 to P5.1-9,
Rev. 4.
Package 3

P5.4, Rev. 1
Pages 5.4-1 to P5.4-7, Rev. 1

New Section P5.4, pages P5.4-1 to P5.4-3,
Rev. 4. *Remove pages 5.4-2, 5.4-4 and 5.4-5.
There are no replacement pages.*

*P6, Rev. 0
Pages P6-i to P6-vi, Rev. 0*

There are no replacement pages.

P6.3, Rev. 2

This section should include pages P6.3-1 to P6.3-27, Rev. 2. Remove pages 6.3-22, P6.3-24 and P6.3-26 to 6.3-62. There are no replacement pages.

Proprietary Volume 3

Table of Contents, Rev. 0/1

Proprietary Table of Contents, Rev. 4
Proprietary List of Figures, Rev. 4
Proprietary List of Tables, Rev. 4
Package 1

*P7.0, Rev. 0
P7-i to P7-iv, Rev 0*

There are no replacement pages.

INSTRUCTION SHEET FOR SSAR REVISION 4 (Cont.)

REMOVE
or GO TO:

REPLACE with
or NOTE:

Proprietary Volume 3 (Cont.)

P7.1, Rev. 0
P7.1-1 to P7.1-21, Rev. 0

There are no replacement pages.

P7.2, Rev. 0
P7.2-1 to P7.2-39, Rev. 0

There are no replacement pages.

P7.7, Rev. 0
Pages 7.7-1 to 7.7-4, Rev. 0

There are no replacement pages.

P8.0, Rev. 1
Pages P8-i to P8-ii, Rev. 1

There are no replacement pages.

P8.3, Rev. 1
Pages P8.3-1 to P8.3-13, Rev. 1

There are no replacement pages.

P9.1, Rev 0/1
Pages P9.1-i to P9.1-iv, Rev. 0/1

There are no replacement pages.

P9.2, Rev. 2

The instructions for SSAR, Rev. 3 stated that pages P9.2-1 to P9.2-2 should be inserted. There is no page P9.2-2.

P9.3-1 to P9.3-7, Rev. 0

P9.3-1, Rev. 4. There are no replacement pages for P9.3-2 to P9.3-7.
Package 3

P9.5, Rev. 1
P9.5-1 to P9.5-2, Rev. 1

There are no replacement pages.

P10, Rev. 0
P10-i, Rev. 0

There is no replacement page.

P11, Rev. 0
Pages P11-i to P11-ii, Rev. 0

There are no replacement pages.

P18, Rev. 1
P18-i to P18-viii, Rev. 1

There are no replacement pages.