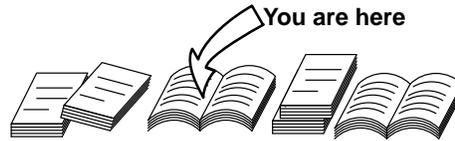


PREFACE

ABOUT THIS MANUAL



PSCAD is a collection of programs, providing a very flexible interface to electromagnetic transients simulation software. EMTDC is the library of power system component models and procedures which constitute the simulation software provided with PSCAD. Together, these two software packages are referred to as “PSCAD/EMTDC”.

The manuals included with PSCAD/EMTDC include the following:

- *PSCAD: Getting Started*
Installation & Administration ← *Only relevant to system administrator.*
Tutorial Manual
- *PSCAD: Circuit Design*
FILEMANAGER Manual
DRAFT Manual
TLINE & CABLE Manual
- *PSCAD: Circuit Analysis*
RUNTIME Manual
MULTIPLLOT Manual
- *EMTDC: Custom Models*
EMTDC Fortran Interface
- *EMTDC: Reference*
Theory Manual

The members of the PSCAD manual set are listed in their recommended reading order, based on typical usage. The *Tutorial Manual* should be the first manual to be read once PSCAD has been installed on the user’s computer system.

The *Tutorial Manual* provides an introduction to the PSCAD User Interface and an overview of the various modules of the PSCAD package using several straightforward examples. Only a small taste of PSCAD’s many features is provided; a more complete discussion is provided by the remaining PSCAD manuals, as well as the EMTDC manuals.

DOCUMENTATION CONVENTIONS

Note: This is a margin note

- *Italics* are used for reference to manual titles, and for margin notes:

EMTDC User's Manual

DRAFT Manual

RUNTIME Manual

MULTI PLOT & UNI PLOT Manual

- *<Bracketed-italics>* refer to keyboard keys, and to portions of text which depends on variables or file names.:

<Return> *<filename>-1*

<Esc> *<case-name>.snp*

<X>/<x> *<case-name>.dft*

- Typewriter font is used for UNIX shell commands, file names, and file contents:

Note: In instances where the '%' prompt is included, do not type '%'.

```
% cd /home/machine1
% tar -xpf /dev/rst0 PSCAD
    PSCAD &
    xmultiplot &
```

```
EMTDC Course - Example 2.1
0.050400    0.1688    ...
0.050800    0.3149    ...
0.051200    0.4539    ...
.           .
.           .
.           .
```



- The “caution icon” is placed beside paragraphs which clarify potential sources of confusion. If a manual section describes an action with unexpected or unintuitive results, this icon tells the reader to “Take note!”



- Skull 'n cross-bones are placed beside paragraphs which refer to actions with potentially severe consequences, such as crashing the computer, or deleting important files.