
the tool for software designers

PDL/81TM

**Automatic Portion
Marking Examples**

(Version 2.0)

Caine, Farber & Gordon, Inc.

Warren Point International Ltd.

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Preface

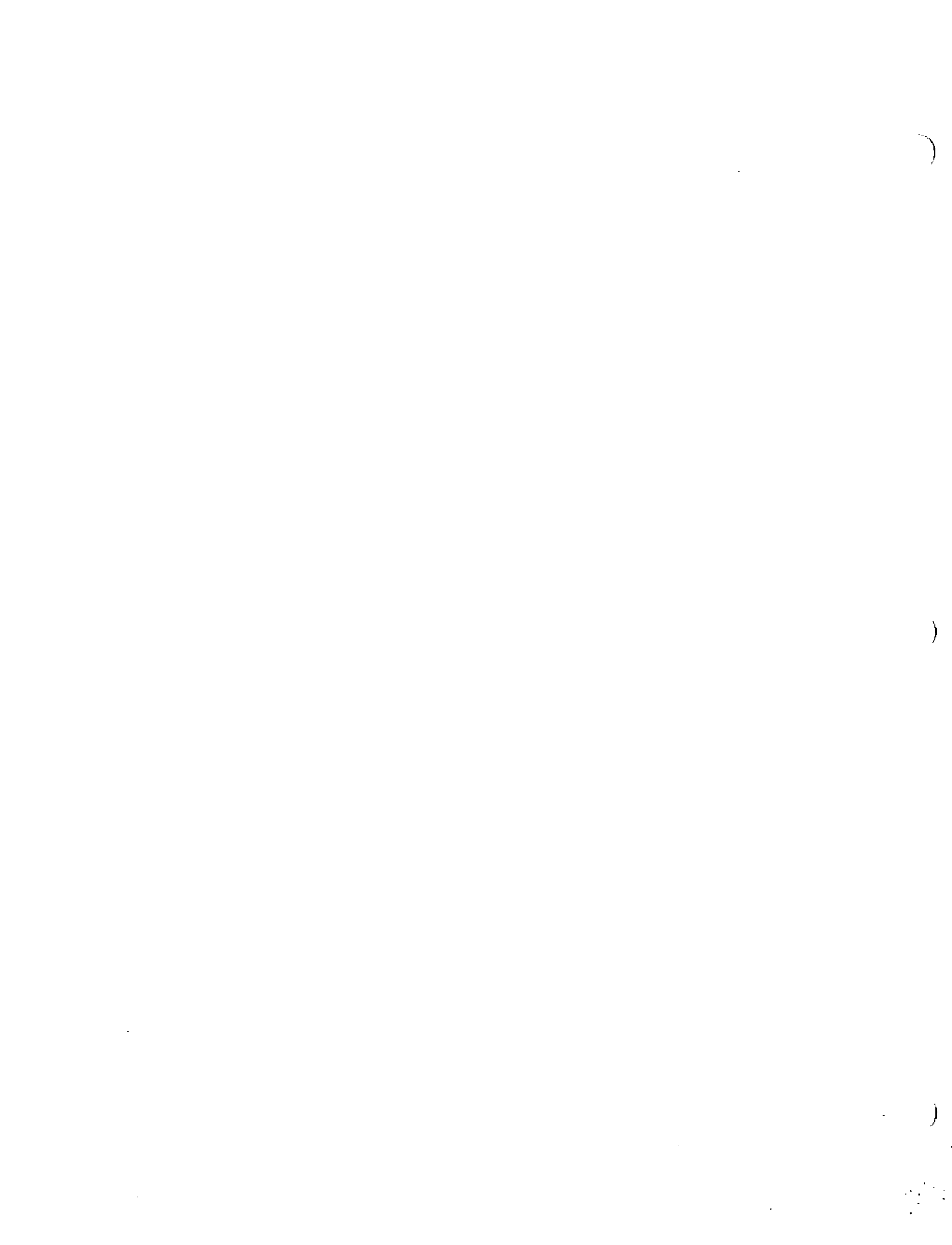
This little manual is intended to illustrate the automatic portion marking features of Version 2.0 of PDL/81. These features are intended to conform to the requirements of the *Industrial Security Manual for Safeguarding Classified Information*, DoD 5220.22-M.

The illustration is presented in the form of a small classified manual with various portions having various levels of classification. The classification levels and marks are entirely fictitious and the entire document is, of course, UNCLASSIFIED.

The remainder of this manual is formatted by the PDL/81 processor using the man style and, thus, provides a detailed example of portion marking.

NOTE

This is an entirely UNCLASSIFIED document. It contains NO classified material. Classification markings, declassification instructions, and warning notices, if any, are for purposes of illustration only.



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PASADENA, CALIFORNIA 91106

A Sample Document (U)
Demonstrating (U)
Automatic Portion Marking (U)

UNCLASSIFIED DOCUMENT
This sample unclassified document contains NO classified material. Classification markings, declassification instructions, and warning notices, if any, are for purposes of illustration only.

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1. (U) INTRODUCTION

(U) This manual is a brief demonstration of automatic portion marking in Version 2.0 of the PDL/81 Processor. The ENTIRE document is UNCLASSIFIED. Classification markings, declassification instructions, and warning notices, if any, are for purposes of illustration only.

(U) A description of the portion marking mechanism may be found in the PDL/81 Document Language Reference Guide.

1.1 (U) CLASSIFICATION LEVELS AND MARKS

(U) The following marks and levels are used for illustration purposes in this example. The actual levels and marks may be defined when the processor is installed.

U Unclassified

L Low

ML Mid-Low

MH Mid-High

H High

(NATO-L) Any mark may have "NATO" prefixed to it (as in this paragraph). As required by the Industrial Security Manual, "NATO HIGH" is rendered as "COSMIC HIGH".

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2. (U) SOME ILLUSTRATIONS

(U) This chapter illustrates some of the features of PDL/81 Portion Marking.

2.1 (L) SECTION TITLE MARKING

(ML) This section is classified as MID-LOW with a section title of LOW. Note that the classification level of the section title will also appear in the Table of Contents and will be used in determining the maximum level of the table of contents page on which it appears.

2.1.1 (U) Unmarked Titles

(ML) All of the section titles in this document are marked, even if they are unclassified, because at least one section title is classified. If all section titles were unclassified, none would be marked.

2.1.1.1 (ML) Marked, Run-In Paragraphs. (L) Note that this run-in titled paragraph has a classification of LOW with a MID-LOW title.

2.2 (U) MULTI-PASS PROCESSING

(L) PDL/81 process classified documents in two passes. The first is a full pass in which all formatting is done and classification information is collected. The second pass is essentially a "copy" pass in which the page classification stamping is done and the table of contents is placed in its proper location.

(L) One extra pass is required when a document contains unclassified section titles prior to the first classified title. In such a case, PDL/81 does not know that it should mark these unclassified titles. This case is noted and a message is issued saying that an additional run is required to get the proper marking. This note is recorded in an auxiliary file so that proper marking will be performed on future runs.

(L) This paragraph is inserted here just to illustrate another feature -- namely, what happens when a paragraph is split across two pages. To make sure it does split, we will run on in a rambling and repetitive manner for a bit. To make sure it does split, we will run on in a rambling and repetitive manner

Table 2.1 (MH) A Classified Table

[COSMIC HIGH]

Things	Speeds	Times
-----	-----	-----
1	356	2.6
90	4568	12.9
91	4001	14.6
99	4572	12.1

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APPENDICES

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APPENDIX A

SOURCE FOR THIS DOCUMENT 9

A. (U) SOURCE FOR THIS DOCUMENT

(U) This appendix illustrates the use of the PDL/81 automatic portion marking feature by reproducing the input passed to the PDL/81 processor to create this document. To save space, the body of this appendix is not, itself, reproduced below.

```
.*- -smanual
.doublesided
.security automatic
.titlepage 9102-52
.title A Sample Document
.title Demonstrating
.title Automatic Portion Marking
.reverse 1988;1;1;1
.class u
.h1 Introduction
```

This manual is a brief demonstration of automatic #(us;portion marking) in Version 2.0 of the PDL/81 Processor. The ENTIRE document is UNCLASSIFIED. Classification markings, declassification instructions, and warning notices, if any, are for purposes of illustration only.

A description of the portion marking mechanism may be found in the PDL/81 Document Language Reference Guide.

```
.h2 Classification Levels and Marks
```

The following marks and levels are used for illustration purposes in this example.

The actual levels and marks may be defined when the processor is installed.

```
.vl 8
.verb U
Unclassified
.verb L
Low
.verb ML
Mid-Low
.verb MH
Mid-High
.verb H
High
.le
```

.class nl

Any mark may have "NATO" prefixed to it (as in this paragraph).
As required by the Industrial Security Manual, "NATO HIGH" is rendered
as "COSMIC HIGH".

.class u

.h1 Some Illustrations

This chapter illustrates some of the features of PDL/81 Portion Marking.

.class ml

.h2 Section Title Marking;l

This section is classified as MID-LOW with a section title of LOW.
Note that the classification level of the section title will also appear
in the Table of Contents and will be used in determining the maximum
level of the table of contents page on which it appears.

.h3 Unmarked Titles

All of the section titles in this document are marked, even if they are
unclassified, because at least one section title is classified.
If #{us;all} section titles were unclassified, #{us;none} would be marked.

.class l

.h4 Marked, Run-In Paragraphs;ml

Note that this run-in titled paragraph has a classification of LOW with a
MID-LOW title.

.h2 Multi-Pass Processing

PDL/81 process classified documents in two passes.

The first is a full pass in which all formatting is done and classification
information is collected.

The second pass is essentially a "copy" pass in which the page classification
stamping is done and the table of contents is placed in its proper location.

One extra pass is required when a document contains unclassified section
titles prior to the first classified title.

In such a case, PDL/81 does not know that it should mark these unclassified
titles.

This case is noted and a message is issued saying that an additional run
is required to get the proper marking.

This note is recorded in an auxiliary file so that proper marking will
be performed on future runs.

This paragraph is inserted here just to illustrate another feature --
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To make sure it does split, we will run on in a rambling and repetitive
manner for a bit.

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manner for a bit.

To make sure it does split, we will run on in a rambling and repetitive
manner for a bit.

To make sure it does split, we will run on in a rambling and repetitive

LAST SHEET OF DOCUMENT

UNCLASSIFIED DOCUMENT
This sample unclassified document contains **NO** classified material. Classification markings, declassification instructions, and warning notices, if any, are for purposes of illustration only.