ELLIOTT AUTOMATION 900 SERIES SIMULATOR

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Andrew Herbert
E-mail: Andrew@HerbertFamily.org.uk

ELLIOTT 900 SERIES SIMULATOR

INTRODUCTION.

This series of documents describes how to use and install a
simulator and demonstration programs for the Elliott 900
series of minicomputers.

The simulator system consists of a basic command line
interpreter providing commands to initialize the simulation,
to specify which 900 series machine to emulate, to set up
input/output to Windows files, to load and run programs and
basic debugging facilities.

The system is derived from an earlier simulator, written in
Ada, by Terry Froggatt and Don Hunter.

The simulator described in this series of documents is written
in F# and extends upon its predecessor in several ways:
emulation of the different variants of the 900 series, support
for the different characters codes used across the range
throughout its history and support for SIR, BASIC and FORTRAN
as well as ALGOL 60 programming.

The demonstration programs illustrate typical uses of most of
the surviving Elliott 900 series software, both that issued by
Elliotts themselves and other software written primarily for
internal use, and software written by users.

The author wrote the documents in this series before he had
scanned a large amount of Elliott technical documentation
assembled from various sources, and therefore it replicates
much of that content. However, given the documents were
written in a more tutorial form and contain some useful
consolidation of information otherwise scattered over several
sources, the document set has been maintained current with the
accompanying demonstration programs.

Acknowledgements

In developing the system the author was considerably helped by
Terry Froggatt and Don Hunter in explaining features of their
simulator and with their deep knowledge of the Elliott
machines.

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Terry provided copies of many "tapes" for ALGOL, SIR, FORTRAN,
subroutine libraries and utilities and much associated
documentation from which the content of this manual is
derived.