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Revision Information

This document (version #6.27) and its companion volumes are believed to accurately reflect release v 7.0 of July 18, 1991.

Release Information

If you would like a copy of the release described in this document, there are several avenues available:

- NORTH AMERICA
  For mailings in NORTH AMERICA, send a check for 375 U.S. Dollars to:

  Postal address: University of Pennsylvania
  Department of Computer and Information Science
  Moore School
  Attn: David J. Farber (ISODE Distribution)
  200 South 33rd Street
  Philadelphia, PA 19104-6314
  U.S.A.

  Telephone: +1 215 898 8560

  Specify one:

  1. 1600bpi 1/2–inch tape, or
  2. Sun 1/4–inch cartridge tape.

  The tape will be written in *tar* format and returned with a documentation set. Do not send tapes or envelopes. Documentation only is the same price.

- EUROPE
  For mailings in EUROPE, send a cheque or bankers draft and a purchase order for 200 Pounds Sterling to:

  Postal address: Department of Computer Science
  Attn: Natalie May/Dawn Bailey
  University College London
  Gower Street
  London, WC1E 6BT
  UK

For information only:

Telephone:	+44 71 380 7214
Fax:	+44 71 387 1397
Telex:	28722
Internet:	`natalie@cs.ucl.ac.uk`
	`dawn@cs.ucl.ac.uk`

Specify one:

1. 1600bpi 1/2–inch tape, or
2. Sun 1/4–inch cartridge tape.

The tape will be written in *tar* format and returned with a documentation set. Do not send tapes or envelopes. Documentation only is the same price.

- EUROPE (tape only)
  Tapes without hardcopy documentation can be obtained via the European Forum for Open Systems (EurOpen, formerly known as EUUG). The ISODE 7.0 distribution is called EurOpenD14.

  Postal address:
  EurOpen Software Distributions
  c/o Frank Kuiper
  Centrum voor Wiskunde en Informatica
  Kruislann 413
  1098 SJ Amsterdam
  The Netherlands

  For information only:

Telephone:	+31 20 5924056
	(or +31 20 5929333)
Telex:	12571 mactr nl
Telefax:	+31 20 5924199
Internet:	`euug-tapes@cwi.nl`

  Specify one:

  1. 1600bpi 1/2–inch tape: 140 Dutch Guilders.

2. Sun 1/4–inch cartridge tape (QIC-24 format): 200 Dutch Guilders.

If you require DHL this is possible and will be billed through. Note that if you are not a member of EurOpen then there is an additional handling fee of 300 Dutch Guilders (please enclose a copy of your membership or contribution payment form when ordering). Do not send money, cheques, tapes or envelopes, you will be invoiced.

- PACIFIC RIM
  For mailings in the Pacific Rim, send a cheque for 300 dollars Australian to:

  Postal address: Isode Distribution
  (Attn: Andrew Waugh)
  723 Swanston St
  Carlton, VIC 3053
  Australia

  For information only:

  Telephone: +61 3 282 2615
  Fax: +61 3 282 2600
  Internet: `ajw@mel.dit.csiro.au`

  Specify one:

  1. 1600/3200/6250bpi 1/2-inch tape, or
  2. Sun 1/4-inch cartridge tape in either QIC-11, QIC-24 or QIC-150 format.
  3. Exabyte 2.3 Gigabyte or 5 Gigabyte format

  The tape will be written in *tar* format and returned with a documentation set. Do not send tapes or envelopes. Documentation only is the same price.

- Internet
  If you can FTP to the Internet, you can use anonymous FTP to the host `uu.psi.com [136.161.128.3]` to retrieve `isode-7.tar.Z` in BINARY mode from the `isode/` directory. This file is the *tar* image after being run through the compress program and is approximately 4.7MB in size.

- NIFTP
  If you run NIFTP over the public X.25 or over JANET, and are registered in the NRS at Salford, you can use NIFTP with username "guest" and your own name as password, to access `UK.AC.UCL.CS` to retrieve the file `<SRC>isode-7.tar.Z`. This file is the *tar* image after being run through the compress program and is approximately 4.7MB in size.

- FTAM on the JANET, IXI or PSS
  The source code is available by FTAM at the University College London over X.25 using

  JANET (DTE `00000511160013`)

  IXI (DTE `20433450420113`)

  PSS (DTE `23421920030013`)

  Use TSEL `259` (ASCII encoding). Use the "anon" user-identity and retrieve the file `isode-7.tar.Z` from the `src/` directory. This file is the *tar* image after being run through the compress program and is approximately 4.7MB in size.

  The file service is provided by the FTAM implementation in ISODE 6.0 or later (IS FTAM) and is registered in the pilot OSI Directory below

  ```
  bells, Computer Science, University College London, GB
  ```

For distributions via either FTAM or FTP, there are two additional files available for retrieval:

- `isode-7-doc.tar.Z`
  This is the LaTeXsource for the entire documentation set. It is a compressed *tar* image (3.5MB).

- `isode-7-ps.tar.Z`
  This contains the five volume manual in PostScript format. It is a compressed *tar* image (4.3MB).

Discussion Groups

The Internet discussion group `ISODE@NIC.DDN.MIL` is used as a forum to discuss ISODE. Contact the Internet mailbox `ISODE-Request@NIC.DDN.MIL` to be asked to be added to this list.

Support

Although the ISODE is not "supported" per se, it does have a problem reporting address, `Bug-ISODE@XTEL.CO.UK`. Bug reports (and fixes) are welcome by the way.

Commercial Support

A UK company has been set up to provide commercial support for the ISODE and associated packages — X-Tel Services Ltd. This company provides an update service, general assistance and site specific support. Although inclusion of this information should not be considered an endorsement, it should be noted that two of the primary ISODE developers now work at X-Tel Services Ltd.

Postal address:	X-Tel Services Ltd. University Park, Nottingham, NG7 2RD UK
Telephone	+44 602 412648
Fax	+44 602 790278
Internet	support@xtel.co.uk

If other organisations offering formal support for the ISODE wish to be included in future announcements, a suitable index will be organized.

Acknowledgements

Many people have made comments about and contributions to the ISODE which have been most helpful. The following list is by no means complete:

The first three releases of the ISODE were developed at the Northrop Research and Technology Center, and the first version of this manual is referenced as NRTC Technical Paper #702. The initial work was supported in part by Northrop's Independent Research and Development program.

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The *librosap*(3n) library was heavily influenced by an earlier native-TCP version written by George Michaelson, formerly of University College London, in the United Kingdom. Stephen E. Kille, of University College London,

[1] UNIX is a trademark of AT&T Bell Laboratories.

provided valuable feedback on the *pepy*(1) utility. In addition, both Steve and George provided us with some good comments concerning the *libpsap*(3) library. Steve is also the conceptual architect for the addressing scheme used in the software, and he modified the *librosap*(3n) library to support half-duplex mode when providing ECMA ROS service. George contributed the CAMTEC and ULTRIX[2] X.25 interfaces. Simon Walton, also of University College London, has been very helpful in providing constant feedback on the ISODE during beta-testing.

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Keith Ruttle of CAMTEC Electronics Limited in the United Kingdom

[2] ULTRIX is a trademark of Digital Equipment Corporation.