

---

---

**Information technology — Open Systems  
Interconnection — Tutorial on Naming and  
Addressing**

*Technologies de l'information — Interconnexion de systèmes ouverts —  
Tutorial sur la dénomination et l'adressage*



| Contents                                                                                 | Page |
|------------------------------------------------------------------------------------------|------|
| Foreword .....                                                                           | II   |
| Introduction.....                                                                        | IV   |
| 1 Scope.....                                                                             | 1    |
| 2 Normative references .....                                                             | 1    |
| 3 Abbreviations .....                                                                    | 2    |
| 4 ISO 7468-3 and its relationship with this technical report .....                       | 3    |
| 5 Basic concepts .....                                                                   | 3    |
| 5.1 General aspects of naming .....                                                      | 3    |
| 5.2 Naming authorities and naming domains .....                                          | 5    |
| 6 Architecture and naming .....                                                          | 11   |
| 6.1 Decomposition of names .....                                                         | 11   |
| 6.2 Addressing information in OSI services .....                                         | 11   |
| 6.3 Addressing information in OSI protocols .....                                        | 12   |
| 6.4 Relationship between Addressing Information,<br>OSI-services and OSI-protocols ..... | 13   |
| 6.5 (N)-directory-functions .....                                                        | 14   |
| 6.6 Layer Specific Aspects .....                                                         | 15   |
| 7 OSI environment and names .....                                                        | 19   |
| 7.1 Naming related standards .....                                                       | 19   |
| 7.2 Registration of names .....                                                          | 21   |
| 7.3 Directory Facilities .....                                                           | 21   |
| 8 Examples .....                                                                         | 25   |
| 8.1 Entities and Addresses .....                                                         | 25   |
| 8.2 Application-association establishment .....                                          | 28   |
| 8.3 Examples of specific names forms published in OSI standards.....                     | 31   |

© ISO/IEC 1993  
All rights reserved. Unless otherwise specified, nor part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

ISO/IEC Copyright Office • Case postale 506 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland.