

Martin W. Weik

Communications Standard Dictionary


Third Edition

ISBN-13: 978-1-4613-8048-1
DOI: 10.1004/978-1-4613-0429-6

e-ISBN-13: 978-1-4613-0429-6

Copyright © 1996 Chapman & Hall

Softcover reprint of the hardcover 1st edition 1996

 = A division of International Thomson Publishing, Inc.
The ITP logo is a trademark under license

For more information, contact:

Van Nostrand Reinhold
115 Fifth Avenue
New York, NY 10003

International Thomson Publishing GmbH
Königswinterer Strasse 418
53227 Bonn
Germany

International Thomson Publishing Europe
Berkshire House 168-173
High Holborn
London WC1V 7AA
England

International Thomson Publishing Asia
221 Henderson Road #05-10
Henderson Building
Singapore 0315

Thomas Nelson Australia
102 Dodds Street
South Melbourne, 3205
Victoria, Australia

International Thomson Publishing Japan
Hirakawacho Kyowa Building, 3F
2-2-1 Hirakawacho
Chiyoda-ku, 102 Tokyo
Japan

Nelson Canada
1120 Birchmount Road
Scarborough, Ontario
Canada M1K 5G4

International Thomson Editores
Campos Eliseos 385, Piso 7
Col. Polanco
11560 Mexico D.F. Mexico

All rights reserved. No part of this work covered by the copyright hereon may be reproduced or used in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems—without the written permission of the publisher.

1 2 3 4 5 6 7 8 9 10 HAM 01 00 99 98 97 96

To order this or any other Chapman & Hall book, please contact International Thomson Publishing, 7625 Empire Drive, Florence, KY 41042. Phone: (606) 525-6600 or 1-800-842-3636. Fax: (606) 525-7778, e-mail: order@chaphall.com.

For a complete listing of Chapman & Hall titles, send your requests to Chapman & Hall, Dept. BC, 115 Fifth Avenue, New York, NY 10003

tems, storage units, and networks. *See also* **data, information.**

automated information systems security (AISS): Measures and controls that (a) protect an automated information system against service denial or against unauthorized disclosure, modification, or destruction of the systems or the data in the system, (b) may be accidental or intentional, and (c) include consideration of (i) all hardware and software functions, characteristics, and features, (ii) operational and accountability procedures, (iii) access controls at the central computer facility, remote computer, and terminal facilities, (iv) management constraints, (v) physical structures and devices, (vi) personnel and communications controls needed to provide an acceptable level of risk for the automated information system and for the data and information contained in the system, and (vii) the totality of security safeguards needed to provide an acceptable protection level for an automated information system and for the data handled by an automated information system.

automated maritime telecommunications system (AMTS): An automatic, integrated, and interconnected maritime communications system that serves ship stations on specified inland and coastal waters of the United States.

automated radio: A radio that can be automatically controlled by electronic devices and that requires little or no human intervention.

Automated Recourse to Electronic Negotiations Archive (ARENA): A database that (a) contains the records of the arms control talks and discussions in which the United States has participated, including the Strategic Arms Limitation Talks (SALT), Conference on Disarmament (CD) discussions, Strategic Arms Reduction Talks (START), Intermediate range Nuclear Forces (INF) negotiations, and Nonproliferation Negotiations (NN) and (b) is operated by the Arms Control and Disarmament Agency.

automated software verification: Proving or disproving that a computer program performs according to its specification by using a software tool as a means of verifying the correctness of the program. The software tool may perform both static and dynamic analysis in the code verification process.

automated tactical command and control system: A command and control system, or part thereof, that can manipulate the movement of information from source to user without human intervention. *Note:* In automated tactical command and control systems, auto-

ated execution of a decision may occur with human intervention.

automatic: Pertaining to a process or device that, under specified conditions, can function without human intervention.

automatic answer back code exchange: Automatic identification of stations in which each communications terminal or data terminal equipment (DTE) transmits its own answer back code.

automatic answering: A network-provided service feature in which the called terminal automatically responds to the calling signal and the call may be established whether or not the called terminal is attended by a human operator. *See also* **call, data terminal equipment, facility, service feature.**

automatic branch exchange: *Synonym* private branch exchange.

automatic call distributor (ACD): A device that distributes incoming calls to a specific group of terminals. *Note:* If the number of active calls is less than the number of terminals, the next call will be routed to the terminal that has been in the idle state the longest. If all terminals are busy, the incoming calls are held in a first in, first out queue until a terminal becomes available. *See also* **call, proration.**

automatic callback: A network feature that permits a user, when encountering a busy condition, to instruct the system to retain the called and calling numbers and to establish the call upon the availability of a clear circuit. *Note:* Automatic callback may be implemented in the terminal or in the switching system, or shared between them. *Colloquial synonym* **camp on.** *See also* **automatic calling unit, call, card dialer, circuit, data terminal equipment, service feature.**

automatic calling: Calling in which the elements of the selection signal, generated by the data terminal equipment (DTE), are contiguously entered into the data network at the full data signaling rate. *Note:* A limit may be imposed by the network to prevent more than a permitted number of unsuccessful call attempts to the same address within a specified period.

automatic calling unit (ACU): A device that permits business machines, such as computers and card dialers, to originate calls automatically over a telecommunications network. *See also* **automatic callback, call, card dialer.**

automatic charge indication: The automatic indication of the charge of a call given by a communications system to the paying terminal either prior to the re-