



# IBM Communications Server for AIX, Version 6.1 Supports the IBM AIX 5L Version 5.1 Operating System

## Overview

The Communications Server for AIX® can meet your requirements for interconnecting diverse networks and should prove to be a winner for your business. With Communications Server, workstation users and applications can communicate with other workstations and central computer applications, independent of the networking protocols used in each system. The Communications Server can help you get users communicating with each other in networks of all sizes, from small workgroups to large corporate headquarters.

Communications Server for AIX, V6.1 has been enhanced to include support for the IBM AIX 5L Version 5.1 operating system. This includes support for the state-of-the-art 32-bit and 64-bit Power kernels. AIX 5L is the IBM strategic UNIX® operating system for mission-critical, core business applications. The industrial-strength features and functions of Communications Server and AIX have been well proven over the years in a wide variety of server environments — from relatively small, single-processor systems, through the multi-processor IBM @server pSeries systems.

Communications Server for AIX provides all-in-one communications services between workstations and host systems, as well as other workstations. Its capabilities include:

- A full-function SNA gateway
- Advanced Peer-to-Peer Networking® (APPN®)
- Support for many types of connections
- A rich set of application programming interfaces (APIs)
- Support for IBM's AIX 64-bit operating system

Communications Server for AIX opens the door wide to protocol-independent networking, with seamless support for workstations communicating across SNA and TCP/IP networks.

## Key Prerequisites

- AIX Version 4.3.3
- AIX 5L Version 5.1 for POWER

## Planned Availability Date

November 30, 2001

## At a Glance

Communications Server for AIX provides building blocks for a wide variety of networking needs and solutions. You can choose applications based on your business needs, not on your network protocols.

### Version 6.1

- Provides support for the IBM AIX 5L Version 5.1 operating system:
  - With full 64-bit Power kernel support
  - Enables user programs to benefit from the performance improvements gained from running in the 64-bit kernel environment
- Maintains the robust function-rich characteristics provided in previous versions to provide:
  - Broad range of communication, connectivity, and networking options
  - Powerful gateway
  - Extensive multiprotocol support
  - Internet networking capabilities

### For ordering, contact:

Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at

**800-IBM-CALL**

Reference: RE001

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## Description

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The Communications Server for AIX, Version 6.1 is an evolution of all the previous versions and includes the same robust function-rich characteristics. For information about the functions and capabilities of Communications Server for AIX, including the AIX 5L 64-bit support, refer to the following Web site:

<http://ibm.com/software/network/commserver/>

### ***Accessibility by People with Disabilities***

#### **For software offerings:**

The following features support use by people with disabilities:

- Operation by keyboard alone
- Optional font enlargement and high-contrast display settings
- Screen reader accessible GUI programs
- Fully accessible product documentation

### ***Euro Currency***

This program is not impacted by euro currency.

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## Product Positioning

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Communications Server for AIX runs on a variety of systems, from desktop PCs to single-user workstations to symmetric multiprocessing (SMP) servers. It enables you to design and implement complete solutions for all of your networking needs, whether in local-office communication, city-wide transactions, or domestic and international networking. Communications Server for AIX also enables you to connect across multi-platform networks and connect networks running different protocols. As a result, all of the transaction processing and data communications needs in your business can have a single solution.

By using Communications Server for AIX, you can be flexible to changes in your business and to advances in network-based communication technology. Communications Server for AIX includes features and options that enable you to expand or upgrade your existing network, migrate it entirely to a state-of-the-art SNA environment, or even integrate it with the Internet. Networks built with Communications Server for AIX are highly stable and secure communications environments, and are easy to maintain.

Communications Server for AIX is a business solution that can enable you to create an integrated enterprise-wide network that includes a mix of operating systems and computer hardware to connect business resources over wide geographic areas.

Communications Server for AIX is the solution for companies in the RS/6000® and AIX environments that:

- Run multiprotocol or multiple networks
- Have existing SNA applications that they want to extend over TCP/IP networks
- Have existing sockets applications they want to extend over SNA networks
- Need to support users in a variety of locations—in the office, at home, or traveling

- Want to:

- Improve data security over the Internet/intranet while improving network availability
- Use Branch Extender or Enterprise Extender advanced networking technologies to implement more cost effective networks
- Consolidate or change their backbone networks
- Provide SNA 3270 host access to TCP/IP users
- Provide SNA host access to any Java™-enabled Web browser
- Access data from virtually anywhere using familiar interfaces and protocols

#### **Trademarks**

pSeries is a trademark of International Business Machines Corporation.

The e-business logo is a trademark of International Business Machines Corporation in the United States or other countries or both.

AIX, Advanced Peer-to-Peer Networking, APPN, and RS/6000 are registered trademarks of International Business Machines Corporation in the United States or other countries or both.

Java is a trademark of Sun Microsystems, Inc.

UNIX is a registered trademark is a registered trademark of the Open Company in the United States and other countries. Other company, product, and service names may be trademarks or service marks of others.



## IBM US Announcement Supplemental Information

October 30, 2001

### Offering Information

Product information will be available on day of announcement through Offering Information (OITool) at:

<http://www.ibm.com/common/ssi>

### Publications

One copy of the *Communications Server for AIX®: Quick Beginnings* is shipped with the program.

The following hardcopy publications can be ordered separately, for a fee, after planned availability. To order, contact your IBM representative.

Title	Order Number
Communications Server for AIX Quick Beginnings	GC31-8583
Communications Server for AIX AnyNet® Guide to Sockets over SNA	GC31-8597
Communications Server for AIX AnyNet Guide to APPC over TCP/IP	GC31-8598
Communications Server for AIX Channel Connectivity User's Guide	SC31-8129
Communications Server for AIX Migration Guide	SC31-8585
Communications Server for AIX Administration Guide	SC31-8586
Communications Server for AIX Administration Command reference	SC31-8587
Communications Server for AIX Diagnostics Guide	SC31-8588
Communications Server for AIX Glossary	GC31-8589
Communications Server for AIX APPC Programmer's Guide	SC31-8590
Communications Server for AIX CPI-C Programmer's Guide	SC31-8591
Communications Server for AIX LUA Programmer's Guide	SC31-8592
Communications Server for AIX Common Service Verbs Programmer's Guide	SC31-8593

Title	Order Number
Communications Server for AIX Management Services Programmer's Guide	SC31-8594
Communications Server for AIX Node Operator Facility Programmer's Guide	SC31-8595
Communications Server for AIX APPC Application Suite User's Guide	SC31-8596

**Displayable Softcopy Publications:** Communications Server for AIX manuals are offered in displayable softcopy form. All unlicensed manuals are included. The displayable manuals are part of the basic machine-readable material. The files are shipped on the same media type as the basic machine-readable material CD-ROM.

These displayable manuals are written in HyperText Markup Language (HTML) and can be viewed with any browser that supports HTML 3.2 or later. Terms and conditions for use of the machine-readable files are shipped with the files.

### Technical Information

#### Specified Operating Environment

**Hardware Requirements:** Communications Server for AIX, Version 6.1 runs on RS/6000® systems. These programs can be used on all RS/6000s, POWERserver® or POWERstation computers, PowerPC® system, 9076 SP2® Scalable POWERparallel® systems, and IBM eServer pSeries that support AIX Versions:

- 4.3.3
- 5L Version 5.1 for POWER

One or more of the following network communication adapters are required:

- Token Ring
  - Token-Ring High Performance Network Adapter (#2970)
  - IBM 16/4 PowerPC Token-Ring Adapter (#2971)
  - Auto Token-Ring LAN Streamer® 32 MC Adapter (#2972)
  - PCI AutoLANStreamer Token-Ring Adapter (#2979)
  - IBM PCMCIA 16/4 Token-Ring Card (#8040)
  - IBM PCI Token-Ring Adapter (#2920)
  - IBM Token-Ring PCI (#4959)

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

- Ethernet
  - High-Performance LAN Adapter (#2980)
  - IBM ISA Ethernet Adapter (#2981)
  - IBM PCI Ethernet BNC/RJ-45 Adapter (#2985)
  - IBM PCI Ethernet AUI/RJ-45 Adapter (#2987)
  - Ethernet/FDX 10 Mbps TP/AUI MC Adapter (#2992)
  - Ethernet/FDX 10 Mbps BNC/AUI MC Adapter (#2993)
  - IBM PCI 10/100 Mbps Ethernet Adapter (#2968)
  - IBM MC 10/100 Mbps Ethernet Adapter/UNI (#2964)
  - IBM MC 10/100 Mbps Ethernet Adapter (#2994)
  - 3Com 3C905-TX-IBM Fast EtherLink XL NIC (#2986)
  - Integrated Ethernet Adapters
  - Gigabit Ethernet-SX PCI (#2969)
  - 4-Port 10/100 Base-TX Ethernet PCI Adapter (#4951)
  - 10/100/1000 Base-T Ethernet PCI Adapter (#2975)
  - 10/100 Mbps Ethernet PCI Adapter II (#4962)
  - IBM Universal 4-Port 10/100 Ethernet Adapter (#4961)
- SDLC
  - 4-Port Multiprotocol Communications Controller (#2700)
  - ISA MPQP Adapter (#2701)
  - Single-port, Multiprotocol Adapter/A (#2959)
  - IBM 2-Port Multiprotocol Adapter (#2962)
  - ARTIC 960 Hx 4-port selectable PCI Adapter (#2947)
- X.25
  - X.25 Interface Co-Processor/2 (#2960)
  - X.25 Interface Co-Processor — ISA (#2961)
  - Portmaster® Adapter/A — 1 MB (#7006)
  - Portmaster Adapter/A — 2 MB (#7008)
  - Multiport Model 2 — ISA (#2701)
  - ARTIC 960 Co-Processor — 4 MB (#2924)
  - ARTIC 960 Co-Processor — 8 MB (#2928)
  - ARTIC 960Hx 4-port selectable PCI Adapter (#2947)
  - IBM 2-port Multiprotocol Adapter (#2962)
- IBM Fiber Distributed Data Interface (FDDI) Adapters plus appropriate cables for attachment to a FDDI network
  - FDDI Single-Ring Adapter (#2720)
  - Fiber Single-Ring Adapter (#2724)
  - FDDI Dual-Ring Upgrade (#2722)
  - Fiber Dual-Ring Adapter (#2723)
  - STP Single-Ring Adapter (#2725)
  - STP Dual-Ring Upgrade (#2726)
  - SysKonnnect PCI Adapter — fiber (#2741)
  - SysKonnnect PCI Adapter — dual fiber (#2742)
  - SysKonnnect PCI Adapter — copper (#2743)
- Channel
  - ESCON® PCI Control Unit Adapter (#2751)
  - ESCON Channel Adapter (#2756)
  - Block Multiplexer Channel Adapter (#2755, #2757, #2758)

- ATM
  - TURBOWAYS® 155 PCI MMF ATM Adapter (#2988)
  - TURBOWAYS 155 PCI UTP ATM Adapter (#2963)
  - TURBOWAYS 25 PCI ATM Adapter (UTP/STP) (#2998)
  - 155 ATM MultiModeFiber (MMF) (#2989)
  - 100 ATM MultiModeFiber (MMF) (#2984)
  - IBM 64-bit/66 MHz PCI ATM 155 UTP Adapter (#4953)
  - IBM 64-bit/66 MHz PCI ATM 155 MMF Adapter (#4957)

For additional on-going information pertaining to adapter support, check:

**[http://www.ibm.com/software/network/commserver/about/comp\\_products/adapter\\_csaix.html](http://www.ibm.com/software/network/commserver/about/comp_products/adapter_csaix.html)**

**Memory Requirements:** A RS/6000 workstation running Communications Server for AIX, Version 6.1 needs the following minimal fixed-disk storage capacity:

- 71 MB to 85 MB for Communications Server for AIX (plus an additional 2 MB of temporary storage during installation), depending on the options selected
- 4.1 MB to 6.0 MB per language for messages, depending on the language
- 18 MB to 36 MB per language for HTML publications, depending on the language

An additional 16 MB of disk space is required if the publications are installed.

Communications Server for AIX, Version 6.1 requires 64 MB of real memory for effective performance.

**Note:** Memory and fixed disk requirements for other licensed programs, user applications, and data are not included in these requirements.

#### **Software Requirements**

Communications Server for AIX, Version 6.1 requires either:

- AIX Version 4.3.3 (5765-C34), maintenance level 8
- AIX 5L Version 5.1 for POWER (5765-E61)

One or more of the following AIX data link control (DLC) filesets are required in order to communicate over the network:

- bos.dlc.token for token-ring link stations
- bos.dlc.ether for standard Ethernet link stations
- bos.dlc.8023 for 802.3 Ethernet link stations
- bos.dlc.qllc for X.25 link stations
- bos.dlc.sdsc for SDLC link stations
- bos.dlc.fddi for FDDI link stations
- sna.dlcchannel or sna.dlcmpc for channel link stations

For 64-bit API support, AIX Version 4.3.3 or AIX 5L:

- bos.dlc.token @ 4.3.3.11 for token-ring link stations
- bos.dlc.ether @ 4.3.3.11 for standard Ethernet link stations
- bos.dlc.8023 @ 4.3.3.11 for 802.3 Ethernet link stations
- bos.dlc.sdsc @ 4.3.3.11 for SDLC link stations
- bos.dlc.fddi @ 4.3.3.11 for FDDI link stations

- sna.dlcchannel @ 6.1.0.0 for channel link stations
- sna.dlcmpc @ 6.1.0.0 for MPC link stations
- bos.dlc.qllc @ 4.3.3.1 for X.25 link stations
- sx25.comio @ 1.1.5.6 for X.25 link stations **or**
- sx25.comio @ 2.0.0.0 for X.25 link stations on AIX V5.1 64-bit kernel

The sx25.comio for X.25 link stations is part of the IBM AIXlink/X.25 product.

Motif level 1.2 (part of the AIX Base Operating System) is required for the Motif administration program.

**Limitations:** The channel adapter support is limited to the 32-bit kernel in AIX V5.1. There are no limitations to the support in AIX V4.3.3.

The AnyNet multiprotocol support is limited to the 32-bit kernel in AIX 5.1. There are no limitations to the support in AIX V4.3.3.

**Performance Considerations:** Communications Server for AIX, Version 6.1 contains many performance and tuning recommendations. For additional information, refer to:

<http://www.ibm.com/software/network/commserver>

Performance can be affected by:

- Type of connection and network characteristics
- Number of user and concurrent sessions
- Type of tasks
- Available installed memory
- RAS and/or trace activity

### ***Planning Information***

#### ***Packaging***

The Communications Server for AIX Version 6.1 package includes:

#### ***Build to Plan (Orders from Lotus®)***

- One CD-ROM for the Communications Server for AIX
- Hardcopy publication: Communications Server Quick Beginnings (English only)
- IBM International Program License Agreement (IPLA) Booklet
- License Information Booklet
- IPLA Pointer Sheet
- Generic Service and Support Card
- Service Key Card
  - The Service Key Card provides information on how to register to download fixes from the Internet. It includes the URL and a key number required for registration.

#### ***Build to Order (Orders from IBM)***

- One CD-ROM for the Communications Server for AIX
- Hardcopy publication: Communications Server Quick Beginnings (English only)
- Communications Server Proof of Entitlement
- IBM IPLA Booklet
- License Information Booklet

- IPLA Pointer Sheet
- Generic Service and Support Card
- Service Key Card
  - The Service Key Card provides information on how to register to download fixes from the Internet. It includes the URL and a key number required for registration.

### ***Security, Auditability, and Control***

Communications Server for AIX, Version 6.1 uses the security and auditability features of the AIX Version 4 or AIX 5L Version 5.1.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## **Ordering Information**

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Communications Server for AIX is a client server product which has two charge units: server install and concurrent users. The server install and users are available in fixed order quantities of one.

### ***Ordering Notes***

- Charges for the base Communications Server for AIX, Version 6.1 (program), are based on concurrent users.
- A "User" is defined as a person. You must purchase a User authorization for every concurrent User that will directly or indirectly access and use the program. Under this license, you may allow multiple concurrent Users, up to the number of User authorizations acquired, to access and use the program either directly or indirectly (such as by accessing the program via an intermediate machine or piece of software).
- As an example, if a multiplexing program or application server (for example, Transaction Server, DB2®) connects to the Communications Server for AIX providing access on behalf of multiple concurrent Users, then one authorization for each of these multiple concurrent Users is required.
- In addition, a User authorization is required for each active upstream or downstream connection established to the program for application programs that are not associated with actual users (for example, those that utilize the program's services such as TN3270, SNA (APPN®, SNA APIs), and AnyNet clients). In an APPN environment, a connection is an active link to an adjacent nodes.

### ***Passport Advantage***

The Passport Advantage part numbers have been previously announced and are unchanged by this announcement and are included here for reference.

Program Name	Description	Part Number
Lic/SW Maint	Communications Server for AIX Server 1st Anniv	D5BDJLL
Lic/SW Maint	Communications Server for AIX Server 2nd Anniv	D5BDKLL
Trd/Lic/SW Maint	Communications Server for AIX Server 1st Anniv*	D5D22LL
SW Maint Rnwl	Communications Server for AIX Server 1st Anniv	E1BDMLL
SW Maint Aft Lic	Communications Server for AIX Server 1st Anniv	D5BDNLL
Lic/SW Maint	Communications Server for AIX User 1st Anniv	D5BCTLL
Lic/SW Maint	Communications Server for AIX User 2nd Anniv	D5BCULL
Trd/Lic/SW Maint	Communications Server for AIX User 1st Anniv*	D5D21LL
SW Maint Rnwl	Communications Server for AIX User 1st Anniv	E1BCWLL
SW Maint Aft Lic	Communications Server for AIX User 1st Anniv	D5BCXLL

\* These part number descriptions have been corrected from the Software Announcement: IBM Simplifies and Enhances the IBM International Passport Advantage Agreement, dated July 10, 2001.

The new media pack part number for V6.1 is included below:

Program Name	Description	Part Number
Communications Server for AIX, V6.1	Media Pack Multilingual	BM009ML

**Note:** Multilingual includes: English, German, French, Spanish, Italian, Brazilian Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean.

**Passport Advantage Tradeup Notes:** Tradeups to Communications Server for AIX, Version 6.1 are available from any IBM or non-IBM (competitive offering) SNA gateway or communications server product. The following upgrade information applies:

- The Communications Server for AIX, Version 6.1 includes authorization for 1 concurrent user.
- When trading up from a usage-based product, for example Communications Server for AIX, Windows NT®, or OS/2 Warp®, you are authorized to acquire the equivalent number of users at a reduced price by specifying the concurrent user tradeup part number.
- When trading up from a product that is priced based on sessions, such as Communications Server for AIX Version 4.X, or SNA Client Access for AIX Version 1.X, the customer is eligible for a number of concurrent user tradeups equal to the actual number of concurrent users being supported on the prior product. For example, if the customer has licensed 50 sessions

on a previous product, and actually supports 25 concurrent users, each running 2 sessions, they would purchase a quantity of 25 of the concurrent user tradeup part numbers with Communications Server for AIX Version 6.1. This would also apply to customers trading up from prior versions of Communications Server for AIX with the Unlimited Sessions feature. These customers should also determine the actual number of concurrent users being supported and purchase an equivalent number of concurrent user tradeups. For example, a customer with the Unlimited Sessions feature who has 50 users each running 4 sessions would only need to purchase a quantity of 50 of the user tradeup part number to support their equivalent user environment.

- New and additional users must be acquired at the full price using the concurrent user part number.
- When trading up from a non usage-based product, you are not entitled to any concurrent user tradeups. All users are considered as new users and must be acquired at the full price.

### Ordering Information for Program Numbers (Orders from IBM)

**Communications Server for AIX, V6.1:** Orders for new licenses will be accepted now.

Shipments will begin on the planned availability date.

**Basic License:** To order, specify the type model number and the one-time charge (OTC) feature number. The OTC for Communications Server for AIX includes the authorization for one concurrent user. Additional use may be purchased by specifying the appropriate OTC from the table below.

A feature number has a maximum order quantity of 250 per order.

**Note:** The feature numbers for program number 5765-E51 and the Software Maintenance program numbers, 5733-M53 and 5733-M54, have been previously announced and are unaffected by this announcement and are included here for reference.

Program Name/ Description	Machine Type-Model	OTC Feature Number	Medium
Communications Server for AIX, V6.1 Install, with 1 Year SW Maintenance	5765-E51	0001	CD-ROM
Communications Server for AIX, V6.1 Concurrent User, with 1 Year SW Maintenance	5765-E51	0002	

**Preinstall:** The preinstall option is only valid if accompanied by a hardware system order for the preinstalled Communications Server for AIX Version 6.1 specifying the preinstalled option.

The 5765-E51 order and SPO must be for the same system type/system number and must have the same schedule shipment date.

Feature number 5005 must be specified under the individual licensed program 5765-E51 and the 5692-AIX SPO for AIX V4.3 or 5692-A5L for AIX V5.1 to facilitate preinstall of the licensed program on the system disk.

The preinstall option is available at no additional charge.

**Software Maintenance Programs:** This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

#### International Agreement in Support of Programs (IASP)

##### IASP PID: 1 Year 5733-M53

Description	Feature Number
Use Authorizations (to be ordered in quantity)	
SW Maintenance No Charge Registration (per Install)	2609
SW Maintenance 1 Year Renewal (per Install)	2612
SW Maintenance 1 Year After License (per Install)	2613
SW Maintenance No Charge Registration (per User)	2608
SW Maintenance 1 Year Renewal (per User)	2610
SW Maintenance 1 Year After License (per User)	2611

##### IASP PID: 3 Year 5733-M54

Use Authorizations (to be ordered in quantity)	
SW Maintenance 3 Year Registration (per Install)	2635
SW Maintenance 3 Year (per Install)	2636
SW Maintenance 3 Year After License (per Install)	2637
SW Maintenance 3 Year Registration (per User)	2632
SW Maintenance 3 Year Renewal (per User)	2633
SW Maintenance 3 Year After License (per User)	2634

Customers who purchased V6.0 of Communications Server for AIX (5765-E51), including Maintenance (5733-M53, 5733-M54), are entitled to receive Communications Server for AIX, V6.1 at no charge. Eligible customers should add the applicable CD media supply, and language and feature number from the table below to their existing 5733-M53 or 5733-M54 record.

Maintenance IASP PID	Media Feature Number	Language Feature Number
5733-M53	5809	2924
5733-M54	5809	2924

**Customization Options:** Select the appropriate feature numbers to customize your order with delivery options desired. These features can be specified on the initial or MES orders.

**Example:** If publications are not desired for the initial order, specify feature number 3470 to ship media only. If, in the future, publication updates are required, order an MES to remove feature number 3480; then, the publications will ship with the next release of the program.

Description	Feature Number
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#### Initial Shipments

Ship Media Only (suppresses initial shipment of documentation)	3470
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#### Expedite Shipments

Local IBM Office Expedite (for IBM use only)	3445
Customer Expedite Process Charge (\$30 charge for each product)	3446

Expedite shipments will be processed to receive 72-hour delivery from the time IBM Software Delivery and Fulfillment (SDF) receives the order. SDF will then ship the order via overnight air transportation.

**System Program Order (SPO):** A SPO, 5692-A5L for AIX V5.1 or 5692-AIX for AIX V4.3 is mandatory for shipments of program distribution and publications. The individual licensed program order (for example, 5765-E51) is for registration and billing purposes only. No shipment occurs under these orders.

To receive shipment of machine-readable materials stacked on a CD-ROM requires an SPO (5692-AIX). Billing for the media type selected is generated under the SPO. To prevent additional billing expenses, place only one SPO order per machine.

Select one of the following (SPO) features for the licensed program and hardcopy entitled publications to be shipped on a given date.

Program Name	Program Number	SPO Feature Number
Communications Server for AIX, V6.1 (5765-E51)	5692-AIX (for AIX V4.3)	0935
Communications Server for AIX, V6.1 (5765-E51)	5692-A5L (for AIX V5.1)	0935

Under SPO 5692-AIX, feature number 3470 can be used to suppress hardcopy documentation. To order entitled hardcopy documentation only, order feature number 3430.

## Terms and Conditions

**Licensing:** IBM IPLA. Proofs of Entitlement (PoEs) are required for all authorized use.

This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

The following agreements apply for maintenance and do not require customer signatures.

- IBM Agreement for Acquisition of Support (Z125-6011)
- Addendum for Support (Software Maintenance) for Selected iSeries and pSeries Programs (Z125-6495)

**License Information Form Number:** CT0KNML

**Limited Warranty Applies:** Yes

### **Program Services**

Available until: December 31, 2003

**Money-Back Guarantee:** 30-day, money-back guarantee, applicable to the first instance per customer enterprise. The money-back guarantee will commence on the invoice date.

**Copy and Use on Home/Portable Computer:** No

**Volume Orders (IVO):** Yes, contact your IBM representative.

**Passport Advantage Applies:** Yes

**Usage Restriction:** Yes

### **Communications Server**

A separate license for the program is required for each machine, SP™ node, or LPAR instance on which the program is installed.

Authorized Use of the program is based on the number of Communications Server User authorizations acquired.

- A "User" is defined as a person. A concurrent User is any User that accesses and uses the Program at any given time. The license to the program includes an authorization for one concurrent User. Authorizations for additional Users may be acquired separately. You must acquire a User authorization for every concurrent User that will directly or indirectly access and use the program. Under this license, you may allow multiple concurrent Users, up to the number of User authorizations acquired, to access and use the Program either directly or indirectly (such as by accessing the Program via an intermediate machine or piece of software).
- As an example, if a multiplexing program or application server (for example, Transaction Server, DB2) connects to the Program providing access on behalf of multiple concurrent Users, then one authorization for each of these multiple concurrent Users is required. In addition, for application programs that are not associated with actual users, but still utilize Communications Server services such as TN3270, SNA (APPN, DLUR, SNA APIs), and AnyNet clients, a User authorization is required for each upstream or downstream connection established to the Communications Server. In an APPN environment, a connection is an active link to an adjacent nodes.
- The license to the program includes an authorization for one concurrent User. Authorizations for additional concurrent Users may be acquired separately.

### **Host On-Demand Entry**

The program contains an entry-level version of the Host On-Demand emulator. You may install and deploy this entry-level version of Host-On-Demand only on the same machine on which you install the Communications Server portion of the program, and you may use the Host On-demand solely to establish a Telnet session directly between Communications Server Users and the Communications Server portion of the Program.

**Software Maintenance Applies:** Yes

**AIX/UNIX® Upgrade Protection Applies:** No

**Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees:** No

**iSeries Software Subscription Applies:** No

**Variable Charges Apply:** No

**Educational Allowance Available:** Yes, 15% education allowance applies to qualified education institution customers.

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## **Prices**

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**Program Number and Software Maintenance Programs:** Charges associated with program number 5765-E51 and the Software Maintenance programs 5733-M53 and 5733-M54 are unaffected by this announcement. Refer to Software Announcement 201-201, dated July 10, 2001.

**Passport Advantage:** For Passport Advantage charges, contact your authorized IBM Lotus Business Partner. Additional information is also available on the Passport Advantage Web site:

<http://www.ibm.com/software/passportadvantage>

**Customer Financing:** IBM Global Financing offers attractive financing to credit-qualified commercial and government customers and Business Partners in more than 40 countries around the world. IBM Global Financing is provided by the IBM Credit Corporation in the United States. Offerings, rates, terms, and availability may vary by country. Contact your local IBM Global Financing organization. Country organizations are listed on the Web at:

<http://www.financing.ibm.com>

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## **Order Now**

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Use Priority/Reference Code: RE001

Phone: 800-IBM-CALL  
Fax: 800-2IBM-FAX  
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