



# Licensed Program Specifications

## Internet Inter-ORB Protocol Connect for TPF Release 1 Program Number 5799-D64

Internet Inter-ORB Protocol Connect for TPF, referred to as IIOB Connect for TPF in the remainder of this book, provides a standard way to connect distributed objects across the Internet and intranets. By using IIOB Connect for TPF you can leverage Transaction Processing Facility (TPF) application programs with new distributed applications. For example, Web browsers support Internet Inter-ORB Protocol (IIOB) to facilitate communication between Web-based applications and intranet enterprise applications.

The Object Management Group (OMG) Common Object Request Broker Architecture (CORBA) specifications define a complete distributed object platform. IIOB, which is a required component of an Object Request Broker (ORB), is an implementation of the General Inter-ORB Protocol (GIOP) over Transmission Control Protocol/Internet Protocol (TCP/IP). IIOB is a key component because IIOB focuses on interoperability of distributed objects in heterogeneous environments.

IIOB Connect for TPF introduces the first phase of CORBA functionality for the TPF 4.1 system.

**Note:** IIOB Connect for TPF is a stand-alone IIOB, which means that it is not part of an ORB. A stand-alone IIOB provides the following advantages:

- It enables TPF applications to communicate over IIOB and is suitable for applications with strict performance constraints.
- You can leverage TPF application programs with new distributed applications.

IIOB Connect for TPF is a set of C functions that are implemented as a single dynamic link library (DLL) or shared library that provides a complete programming interface to the GIOP by using TCP/IP. IIOB and GIOP are defined by the OMG CORBA specifications.

IIOB Connect for TPF fully supports GIOP Version 1 Release 1 and GIOP Version 1 Release 0. The

major difference between the two versions is that GIOP Version 1 Release 1 supports message fragmentation.

## Specified Operating Environment

### Year 2000 Readiness

This IBM program, when used in accordance with its associated documentation, is capable of correctly processing, providing, and/or receiving date data within and between the 20th and 21st centuries, provided that all products (for example, hardware, software, and firmware) used with this IBM program properly exchange accurate date data with it.

### Machine Requirements

IIOB Connect for TPF operates on IBM Enterprise Systems Architecture (ESA) processors. The minimum required hardware configuration is the same as that required for TPF Version 4 Release 1 (program number 5748-T14, 5799-FPC, or 5799-FZN), or subsequent releases and modification levels, as specified in *TPF Migration Guide: Program Update Tapes*, GH31-0187.

### Programming Requirements

IIOB Connect for TPF requires the following:

- TPF Version 4 Release 1 at program update tape (PUT) 10 plus APAR PJ26685 or subsequent releases and modification levels, and associated programming requirements.
- TCP/IP network connectivity. See *TPF Migration Guide: Program Update Tapes* for more information about TCP/IP-based communication requirements.

### Licensed Program Materials Availability

Restricted Materials — Yes. This licensed program is available with all licensed program materials designated as “RESTRICTED MATERIALS OF IBM.”

## Supplemental Terms

### Designated Machine Identification

Designated Machine Identification Required: Yes.

### Testing Period

Basic License: 2 months

### Use-Based Charges/Usage Restriction

Not applicable.

### Type/Duration of Program Services

Problem resolution support for IIOOP Connect for TPF is available from the TPF Systems Customer Service group. The recommended method for reporting problems to the TPF Systems Customer Service group is electronically by using the ETR option on Servicelink/DIAL-IBM (as available), or through your local IBM representative.

Program services support is available until discontinued by IBM upon 6 months written notice.

### Softcopy Books

The program that IBM licenses may include licensed books in displayable or source form. Except as provided in this section, the terms and conditions of the license agreement with IBM apply to these books and to any copies that are made from them.

The licensed books may be used in displayable or source form on all machines designated for this

program. The licensed books may also be copied and used on other machines in support of authorized use of this program.

To support authorized use of the program, printed copies of the displayable or source material may be made if the copyright notice and any other legend of ownership is reproduced on each copy or partial copy.

## Warranty

This program is warranted as specified in the IBM license.

Licensed Program Specifications may be updated from time to time, and such updates may constitute a change in specifications.

Following the discontinuance of all program services, this program will be provided "As Is" as specified in the IBM license.

## Trademarks

The following terms are trademarks of the IBM Corporation in the United States or other countries or both:

IBM

IIOOP is a registered trademark of Object Management Group, Inc.

Other company, product, and service names may be trademarks or service marks of others.





References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only IBM's product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any of IBM's intellectual property rights may be used instead of the IBM product, program, or service.

Any other documentation with respect to this licensed program, including any documentation referenced herein, is provided for reference purposes only and does not extend or modify these specifications.

December 1999

Printed in U.S.A.

GH31-0189-00

