



Licensed Program Specifications

TPF Database Facility Release 1 Program Number 5706-196

The TPF Database Facility (TPPDF) is a database manager for programs that run in a Transaction Processing Facility (TPF) or Airline Control System (ALCS) operating environment.

TPPDF is comprised of a set of programs that act as an interface between the application programs that retrieve and store information and the system software that actually accesses the stored data.

TPPDF provides a set of high-level assembler command macros and C language functions to form the application programming interface (API).

The product includes tools and utilities to assist system and application programmers in organizing and managing the database.

Data structures can be viewed online and file contents altered through the use of functional messages. These functions are used frequently by programmers during installation and development of applications. TPDFDF also provides functions that perform file validation, copy, and data recovery.

With TPDFDF, the definition and characteristics for each file are centrally maintained and independent of application programs. This facilitates the organization and management of the database without changing the code in application programs.

TPPDF also provides the Distributed Data Access (DDA) feature. TPDFDF/DDA allows data from a TPDFDF database to be propagated to a DATABASE 2 (DB2) database using Structured Query Language (SQL) statements. The SQL data can be collected from one or more TPDFDF files, and from one or more fields in each file.

Specified Operating Environment

Machine Requirements

TPPDF operates on IBM Enterprise System Architecture processors. The minimum required hardware configuration is the same as that required for one of the following:

- TPF Version 4 Release 1 (program number 5748-T14), or subsequent releases and modification levels, as specified in the IBM Transaction Processing Facility Licensed Program Specifications, GH31-0150
- ALCS Version 2 Release 1 (program number 5695-068), or subsequent releases and modification levels, as specified in the IBM Airline Control System Version 2 Licensed Program Specifications, GH19-6805.

An additional minimum memory of 200KB is required.

Programming Requirements

TPPDF requires one of the following:

- TPF Version 4 Release 1, or subsequent releases and modification levels, and associated programming requirements
- ALCS Version 2 Release 1, or subsequent releases and modification levels, and associated programming requirements.

TPFDF C Language support requires one of the following:

- TPF Version 4 Release 1, or subsequent releases and modification levels, and associated programming requirements for C language support
- ALCS Version 2 Release 1, or subsequent releases and modification levels, and associated programming requirements for C language support.

The TPFDF Distributed Data Access (TPFDF/DDA) feature requires one of the following:

- TPF Version 4 Release 1, or subsequent releases and modification levels, with the TPF Application Requester (TPFAR) feature and associated programming requirements
- ALCS Version 2 Release 1, or subsequent releases and modification levels, and associated programming requirements.

TPFDF in a multiple database environment requires the following:

- TPF Version 4 Release 1, or subsequent releases and modification levels, with the High Performance Option (HPO) feature and associated programming requirements.

Licensed Program Materials Availability

Restricted Materials — No. All modules of this licensed program are available with source licensed program materials written in assembler language, C language, and structured programming macros (SPMs).

Supplemental Terms

Designated Machine Identification

Designated Machine Identification Required: Yes.

Testing Period

Basic License: 60 days.

Installation/Location License

Not applicable. A separate license is required for each machine on which the licensed program will be used.

Usage Restriction

Not applicable.

Type/Duration of Program Services

Central Service is available until discontinued by IBM with 6 months written notice.

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DATABASE 2

DB2

IBM



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