

**Program Directory for
IBM BYPASS2000 for AS/400**

Version 3 Release 1 Modification Level 2

Program Number 5697-D11

for Use with
IBM Application System/400

Document Date: September 1998

GI10-0406-01

Note!

Before using this information and the product it supports, be sure to read the general information under "Notices" on page v.

This program directory, dated September 1998, applies to IBM BYPASS2000 for AS/400 Version 3 Release 1 Modification Level 2 (BYPASS2000) , Program Number 5697-D11 for the following:

COMPIDs	System Name
5697D11	IBM Application System/400

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SystemPac

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HAL HAL S.p.A. Milan, Italy

1.0 Introduction

This program directory is intended for the system programmer responsible for program installation and maintenance. It contains information concerning the material and procedures associated with the installation of IBM BYPASS2000 for AS/400. Please read the content of this program directory before installing the BYPASS2000 program and then keep this document for future reference.

The program directory contains the following sections:

2.0, "Program Materials" on page 2 identifies the basic and optional program materials and documentation for BYPASS2000.

3.0, "Program Support" on page 5 describes the IBM support available for BYPASS2000.

4.0, "Program and Service Level Information" on page 6 lists the APARs (program level) and PTFs (service level) incorporated into BYPASS2000.

5.0, "Installation Requirements and Considerations" on page 7 identifies the resources and considerations for installing and using BYPASS2000.

6.0, "Before You Start" on page 9 provides instructions on how to acquire a software key.

7.0, "Installation Instructions" on page 11 provides detailed installation instructions for BYPASS2000.

Before installing BYPASS2000, read 3.1, "Preventive Service Planning" on page 5. This section tells you how to find any updates to the information and procedures in this program directory.

2.0 Program Materials

An IBM program is identified by a program number and a feature code. The program number for BYPASS2000 is 5697-D11.

The program announcement material describes the features supported by BYPASS2000. Ask your IBM marketing representative for this information if you have not already received a copy.

The following sections identify:

- The basic and optional program materials available with this program
- The basic publications available with this program.

2.1 Basic Machine-Readable Material

The distribution medium for this program is 9-track magnetic tape (written at either 1600 or 6250 BPI), 3480 cartridge, 1/4-inch tape cartridge, or CD-ROM. The tape or cartridge or CD-ROM contains all the programs and data needed for installation. BYPASS2000 is installed using RSTLICPGM. See 7.0, "Installation Instructions" on page 11 for more information on how to install the program. Figure 1 describes the tape, cartridge, and CD-ROM. Figure 2 on page 3 describes the file content of the program medium.

Figure 1. Basic Material: Program Tape/Cartridge/CD-ROM

Medium Type	Feature Number	Physical Volume	External Label Identification
1600 tape	5987	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
6250 tape	5988	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
QIC120	5991	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
QIC525	5990	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
QIC3040	5046	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
3480 cart.	5989	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
8-mm cart.	5986	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)
CD-ROM	5996	01	IBM BYPASS2000 for AS/400, Version 3 Release 1 Mod. 2 (5697-D11)

Figure 2. File Content

File	Name	NLS Language Code	Description
1	Q5697D11312M.0001	(n/a)	MRM (Boot file)
2	Q5697D11312M.0002	(n/a)	MRM
3	Q5697D11312380001	2938	MRI - English Upper Case DBCS
4	Q5697D11312380002	2938	MRI - English Upper Case DBCS
5	Q5697D11312840001	2984	MRI - English U/L Case DBCS
6	Q5697D11312840002	2984	MRI - English U/L Case DBCS
7	Q5697D11312500001	2950	MRI - English Upper Case SBCS
8	Q5697D11312500002	2950	MRI - English Upper Case SBCS
9	Q5697D11312240001	2924	MRI - English U/L Case SBCS
10	Q5697D11312240002	2924	MRI - English U/L Case SBCS
11	Q5697D11312290001	2929	MRI - German
12	Q5697D11312290002	2929	MRI - German
13	Q5697D11312310001	2931	MRI - Spanish
14	Q5697D11312310002	2931	MRI - Spanish
15	Q5697D11312320001	2932	MRI - Italian
16	Q5697D11312320002	2932	MRI - Italian
17	Q5697D11312800001	2980	MRI - Brazilian Portuguese
18	Q5697D11312800002	2980	MRI - Brazilian Portuguese

2.2 Optional Machine-Readable Material

There are no optional machine-readable materials for BYPASS2000.

2.3 Program Publications

The following section identifies the basic publications for BYPASS2000.

Figure 3 identifies the basic program publications for BYPASS2000. One copy of each of these publications is included when you order the basic materials for BYPASS2000. For additional copies, contact your IBM representative.

Figure 3. Basic Material Publications

Publication Title	Form Number
IBM BYPASS2000 for AS/400* License Program Specifications	GC09-2592-01
IBM BYPASS2000 for AS/400 User's Guide	SC09-2591-01
IBM BYPASS2000 for AS/400 Program Directory	GI10-0406-01

2.4 Program Source Materials

There are no source materials available for BYPASS2000 other than the following:

QCBLSRC
QCLPSRC
QDDSSRC
QIMGSRC
QLBLSRC
QRPGSRC
QRPGLESRC
QS36SRC
QS38SRC

2.5 Publications Useful During Installation

The publications listed in Figure 4 may be useful during the installation of BYPASS2000. To order copies, contact your IBM representative.

Figure 4. Publications Useful During Installation

Publication Title	Form Number
Program Directory for IBM BYPASS2000 for AS/400	GI10-0406-01

3.0 Program Support

This section describes the IBM support available for BYPASS2000.

3.1 Preventive Service Planning

If you have received BYPASS2000 from IBM Software Distribution, before installing BYPASS2000, you should also check with your IBM Support Center to see whether there is additional PSP information that you should know.

3.2 Statement of Support Procedures

Report any difficulties you have using this program to your IBM Support Center. If an APAR is required, the Support Center will provide the address to which any needed documentation can be sent.

Figure 5 identifies the component ID (COMPID) for BYPASS2000.

Figure 5. Component IDs

COMP ID	Component Name	REL
5697D11	BYPASS2000	V3R1M2

4.0 Program and Service Level Information

This section identifies the program and any relevant service levels of BYPASS2000. The program level refers to the APAR fixes incorporated into the program. The service level refers to the integrated PTFs. Information about the cumulative service tape is also provided.

4.1 Program Level Information

No APARs have been incorporated into BYPASS2000.

4.2 Service Level Information

There are no PTFs for this release of BYPASS2000.

4.3 Cumulative Service Tape and PTFs

At the time when this document was printed, there was no PTF for BYPASS2000. Please contact your local IBM Support Center to see if there is any update information.

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing BYPASS2000.

5.1 Target System Requirements

This section describes the environment of the target system required to install and use BYPASS2000.

5.1.1 Operating System Requirements

BYPASS2000 operates with the following IBM Application System/400 operating systems

- CISC version of the OS/400* - V3R1, V3R2
- RISC version of the OS/400* - V3R6 or higher

5.1.2 Machine Requirements

There are no special machine requirements for the target system.

5.1.3 Programming Requirements

See 5.2, "Program Considerations" for additional software requirements.

5.1.4 DASD Storage Requirements

For CISC versions of the OS/400* (Version 3 Release 1, Version 3 Release 2), the program requires 135 MB of auxiliary storage.

For RISC versions of the OS/400* (Version 3 Release 6 or higher) the program requires 180 MB of auxiliary storage.

5.1.5 Processor Storage Requirements

There are no special allocation requirements.

5.2 Program Considerations

The following sections list the programming considerations for installing BYPASS2000 and activating its functions.

5.2.1 Operating System Requirements

The OS/400 operating system is used to install BYPASS2000.

5.2.2 Machine Requirements

There are no special machine requirements for the target system.

5.2.3 Programming Considerations

When installing BYPASS2000 on a system with the primary language other than English, you must check the system CCSID value and apply this value to all the physical source files in the QBP2000 library. This step should be performed immediately after BYPASS2000 is installed.

1. Use command - DSPSYSVAL QCCSID to display the current system CCSID parameter. Take note of this parameter value.
2. Use command - CHGSRCPF to change all the PF source files in the QBP2000 library to the correct CCSID value (recorded from the previous step).

5.2.4 System Considerations

In order to gain access to all functions of BYPASS2000, the product must first be activated with a software key. You should acquire the software key for the target system prior to installation. (Refer to 6.0, "Before You Start" on page 9)

IBM Application Development ToolSet (ADTS) 5763-PW1 or 5716-PW1 is a prerequisite of BYPASS2000.

It is strongly recommended to have the latest PTF CUM tape installed on your operating system (especially for COBOL runtime, SQL runtime and Query/400 runtime).

5.2.5 Special Considerations

If a previous version of the BYPASS2000 product exists on the system, it is advisable to first remove the product with DLTICPGM before installing BYPASS2000.

6.0 Before You Start

Before installing BYPASS2000 you must first acquire a software key for the product. This key is supplied by HAL** S.p.A. of Italy and is unique to each system. To obtain a valid software key, you must send the serial number of the target AS/400 to HAL, by fax. In return, HAL will assign a software key and send it back to you, by fax. The normal turn-around time is one full business day.

Regular registered BYPASS2000 user should contact HAL for a customized Software Key

For trial purposes, a temporary key - **4DEMOS** is available to activate the product. You can use all functions of BYPASS2000 within the limit of the pre-set maximum number of lines of code (25 KLOC).

See 6.1, "BYPASS2000 Software Key Request" on page 10 for the request form.

6.1 BYPASS2000 Software Key Request

Note: Registered owners can use the following template to obtain a software key for BYPASS2000.

Registered Owner Section

To: HAL S.p.A. Milan, Italy
Fax: 39-02-28-016-400 or

E-mail: bypass@halinfo.it

From: _____ (Your company name)
Location: _____ (Your city and country)
Customer Number: _____ (Your customer number)
Attention: _____ (Your name)
Phone: _____ (Your phone number)
Fax: _____ (Your fax number)
Serial Number: _____ (Your AS/400 serial number)
Model number: _____ (Your AS/400 model number)
Software Key: _____ (To be assigned by HAL)

Additional Section for IBM Internal User

Name: _____ Phone number _____
Location: _____ (Your IBM Branch Office)
Address: _____ (IBM Internal Address)
Usage: Customer Demos
 Marketing Courses
 Trade Shows
 Evaluation
 Production Conversion for Customer
 IBM Internal Conversion

7.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of BYPASS2000.

7.1 Installing BYPASS2000

7.1.1 Overview

BYPASS2000 is a License Program Offering. It is distributed on its own program medium. Instead of using the GO LICPGM command to install, the entire product is installable with the RSTLICPGM command. Your user ID must be at SECOFR authority level to install the product.

7.1.2 Installation Procedure

7.1.2.1 First Time Installations

1. Load program tape/cartridge/CD-ROM into your system loading device.
2. At the command line, enter

```
RSTLICPGM LICPGM(5697D11)
```

3. The library QBP2000 will be restored on your system.
4. (For non-English machines only, refer to 5.2.3, "Programming Considerations" on page 8 to check the CCSID value.)
5. At the command line, enter

```
ADDLIBLE QBP2000
```

6. Activate BYPASS2000 (refer to 7.2 Activating BYPASS2000 section).
7. Invoke BYPASS2000 with the command - BP2000 *GEN.

7.1.2.2 Upgrading from BYPASS2000 V3R1M1

1. Remove the BYPASS2000 V3R1M1 product before installing the upgrade. (Refer to 7.3, "Deleting BYPASS2000" on page 13)
2. Follow the steps documented in 7.1.2.1, "First Time Installations"
3. Activation is required after installation. Follow the steps described in 7.2, "Activating BYPASS2000" on page 12

7.1.2.3 Re-Installing BYPASS2000

1. Remove the BYPASS2000 product before re-installing. (Refer to 7.3, "Deleting BYPASS2000" on page 13)
2. Follow the steps documented in 7.1.2.1, "First Time Installations"
3. Re-activation is required after re-installation. Follow the steps described in 7.2, "Activating BYPASS2000" on page 12

7.1.2.4 Installing BYPASS2000 as secondary language

1. Load program tape/cartridge/CD-ROM into your system loading device.
2. Use the RSTLICPGM command to install BYPASS2000. Specify the following option:

```
RSTLICPGM LICPGM(5697D11)
DEV(yyyyy)      - where yyyyy is the loading device of your system
LNG(29xx)       - where xx identifies the language code
```

3. At the command line, enter

```
CHKPRDOPT PRDID(5697D11)
```

to verify that the message - 'No error detected' is displayed.

4. At the command line, enter

```
CHGSYSLIBL LIB(QSYS29xx)
```

where xx is the identified language code, to position QSYS29xx at the top of your library list (if your environment is not setup as such).

5. At the command line, enter

```
ADDLIBLE QBP2000
```

6. Follow the steps to activate BYPASS2000.

Note: The installation process creates a new library named QBP2000 on your system and copies the BYPASS2000 language objects to QSYS29xx library.

7.2 Activating BYPASS2000

1. Add QBP2000 into your library list with the command - ADDLIBLE QBP2000.
2. At the command line, enter BPPR and press the Enter key.
3. The "Work With BYPASS2000 Enabling" screen will appear.
4. Enter the software key information.
5. When completed, you will return to the previous menu with no message.

After the installation or reload of BYPASS2000, you must activate the software key before all functions are accessible.

You invoke BYPASS2000 for the first time invoked by the command

```
BP2000 *GEN
```

7.3 Deleting BYPASS2000

To remove BYPASS2000 from your AS/400, do the following:

1. At the command line, enter - DLTLICPGM LICPGM(5697D11) and press the Enter key.
2. This will delete the entire QBP2000 library.

Reader's Comments

Program Directory for IBM BYPASS2000 for AS/400 Version 3 Release 1 Modification Level 2

You may use this form to comment about this document, its organization, or subject matter with the understanding that IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

For each of the topics below please indicate your satisfaction level by circling your choice from the rating scale. If a statement does not apply, please circle N.

RATING SCALE						
very satisfied	<=====>				very dissatisfied	not applicable
1	2	3	4	5	N	

	Satisfaction					
Ease of product installation	1	2	3	4	5	N
Contents of program directory	1	2	3	4	5	N
Installation Verification Programs	1	2	3	4	5	N
Time to install the product	1	2	3	4	5	N
Readability and organization of program directory tasks	1	2	3	4	5	N
Necessity of all installation tasks	1	2	3	4	5	N
Accuracy of the definition of the installation tasks	1	2	3	4	5	N
Technical level of the installation tasks	1	2	3	4	5	N
Ease of getting the system into production after installation	1	2	3	4	5	N

Did you order this product as an independent product or as part of a package?

- Independent
- Package

If this product was ordered as part of a package, what type of package was ordered?

- CustomPac
- FunctionPac*
- SystemPac*
- System Delivery Offering (SDO)
- Other - Please specify type:

Is this the first time your organization has installed this product?

- Yes

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