THE POSSIBILITIES ARE INFINITE

FUJITSU

Fujitsu Technology Solutions

IFG (BS2000/OSD)
Version 8.3A
April 2009

Release Notice

Release Notice IFG V8.3A

1 General

The Interactive Format Generator (IFG) is a program for the con-
venient creation, modification and administrations of formats
(layouts) for data display terminals in time-sharing mode.

When used with FHS (Format Handling System), formats created with
IFG can be used in both time-sharing and transaction mode.

This Release Notice is a summary of the major extensions, de-
pendencies and operating information with respect to IFG V8.3A
under the BS2000/OSD *) operating system.

The release level is that of July 2006.

The contents have been modified with respect to the release
level.
*1   It corresponds to correction level 8.3A July 2006.

This Release Notice is supplied as a file in uppercase/lowercase.
Customers will receive an updated version of this file should any
subsequent changes be made.

To print this file, use:
/PRINT-DOCUMENT FROM-FILE=SYSFGM.IFG.083.E, -
/   DOC-FORM=*TEXT(LINE-SPACING=BY-EBCDIC-CONTR)

 This release notice is, like all other release notices con-
 cerning BS2000 products, available on the Internet under
 the URL

             http://manuals.ts.fujitsu.com/mainframes.html

If one or more previous versions are skipped when this product
version is used, the information from the Release Notices (and
README files) of the previous versions must also be noted.

1.1 Ordering

IFG V8.3A can be ordered from your local distributors.

The general conditions of the Contract for the Use and Mainte-
nance of Software Products apply for IFG V8.3A.

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*) BS2000/OSD-BC is a registered trademark of Fujitsu Technology So-
lutions.

1.2 Delivery

The IFG V8.3A files are supplied via SOLIS.

The current file and volume attributes are listed in the SOLIS2
delivery cover letter.

The following products files are independent from the HSI:

```
Delivery components          Product description
---------------------------------------------------------
IFG                          Program IFG (a command START-IFG
                             is now also provided)
IFGFV                        Program IFGFV (a command START-IFGFV
                             is now also provided)
SYSDOC.IFG.083.CONV-3270     Documentation describing how to
                             automatically convert a format
                             created for another terminal type
                             to a 3270 terminal
SYSDOC.IFG.083.CONV-8BIT     Documentation describing how to
                             automatically convert a format
                             into 8-bit (XHCS) format
SYSDOC.IFG.083.CONV-DE       Documentation describing how to
                             automatically convert a format into
                             a format with dialog extensions
SYSDOC.IFG.083.CONV-HELP     Documentation describing how to
                             automatically create help formats
                             from a text file
SYSDOC.IFG.083.GIVE-HELP     Documentation describing how to
                             automatically assign a help format
                             to fields of formats with dialog
                             extensions
SYSDOC.IFG.083.GIVE-UTM      Documentation describing how to
                             automatically assign the attribute
                             'UTM control field' to fields of
                             formats
SYSDOC.IFG.083.IFG2FLD       Documentation describing how to
                             automatically convert formats
                             into a ComTA file
SYSFGM.IFG.083.D             German release notice
SYSFGM.IFG.083.E             English release notice
SYSFHS.IFG.083.D             German maps for IFG/IFGFV
SYSFHS.IFG.083.E             English maps for IFG/IFGFV
SYSLNK.IFG.083               Contains the modules (LLM) of
                             IFG/IFGFV
SYSPRC.IFG.083               Contains the converter procedure
                             for formats created by FHS macros
SYSPRG.IFG.083.CONV-3270     Converter program for 3270 terminal
SYSPRG.IFG.083.CONV-8BIT     Converter program for 8-bit formats
SYSPRG.IFG.083.CONV-DE       Converter program for formats with
                             dialog extensions
SYSPRG.IFG.083.CONV-HELP     Converter program for help formats
SYSPRG.IFG.083.GIVE-HELP     Program to assign help formats on
                             fields of formats with dialog
                             extensions
SYSPRG.IFG.083.GIVE-UTM      Program to assign UTM control field
                             attribute on fields of formats
SYSPRG.IFG.083.IFGCONV       Converter program for formats
                             created by FHS macros
SYSPRG.IFG.083.IFG2FLD       Converter program for ComTA
```

```
*1      SYSRME.IFG.083.D            Readme file (German)
*1      SYSRME.IFG.083.E            Readme file (English)
        SYSSDF.IFG.083             Syntax file of IFG and IFGFV
        SYSSII.IFG.083             IFG structure and installation
                                   information file
```

The delivery components

```
SYSPRG.IFG.083.IFGCONV
SYSPRG.IFG.083.CONV-3270
SYSPRG.IFG.083.CONV-8BIT
SYSPRG.IFG.083.CONV-DE
SYSPRG.IFG.083.CONV-HELP
SYSPRG.IFG.083.GIVE-HELP
SYSPRG.IFG.083.GIVE-UTM and
SYSPRG.IFG.083.IFG2FLD
```

are delivered as class C software. There is no maintenance obli-
gation for this software.

1.3 Documentation

The following documentation is available for IFG V8.3A:

```
BS2000/OSD                         U765-J-Z135-9
IFG V8.3A
Benutzerhandbuch

BS2000/OSD                         U765-J-Z135-8-7600
IFG V8.3A
User Guide

BS2000/OSD,TRANSDATA               U9232-J-Z135-5
XHCS V2.0A
Benutzerhandbuch

BS2000/OSD,TRANSDATA               U9232-J-Z135-5-7600
XHCS V2.0A
User Guide
```

In addition, the documentation of the BS2000/OSD basic configura-
tion is also required for operating IFG.

The BS2000/OSD documentation is available on CD-ROM under the ti-
tle BS2000/OSD SoftBooks in German and English.

The documentation is available as online manuals under
  http://manuals.ts.fujitsu.com/mainframes.html

These manuals may be supplemented with README files. These con-
tain changes and extensions to the manual of the product con-
cerned. The file names are made up as follows:

```
SYSRME.IFG.083.D      (file with German text)
SYSRME.IFG.083.E      (file with English text)
```

When printing the files, you should specify the CONTR-CHAR=EBCDIC
operand in the PRINT-FILE command.

2 Software extensions

Only the extensions and improvements over the previous version IFG V8.1B are described in the following section.

IFG V8.3A introduces limited support for Unicode formats by allowing Unicode input/output fields (Unicode text fields are not supported). Such formats will only be displayable by FHS V8.3A on an appropriate Unicode terminal emulation (like MT9750 V7.0).

The generation of addressing aid generation for these formats is available for ASSEMBLER and COBOL. Addressing aids for the later will need to be compiled with COBOL 2000 V1.4.

3 Technical information

3.1 Resource requirements

1. Virtual Address Space
   About 4.3 MB depending on the function performed.

2. Static Disc Space
   About 5.2 MB.

3. Dynamic Disc Space
   Not relevant

4. Special Hardware/Firmware/Processor/Real Memory
   Not relevant

3.2 Software configuration

1. Required Operating System environment
   BS2000/OSD V6.0B or higher is required for IFG V8.3A

2. Required Software
   FHS   from version 8.3A
   VTSU-B   from version 13.2A
   XHCS-SYS from version 2.0A

3.3 Product installation

Installation of the product IFG with the installation monitor
IMON is mandatory. The information concerning installation in the
delivery cover letter and in the product documentation must be
followed as well as the information given below.

The necessary inputs and the sequence of the installation are de-
scribed in the IMON documentation.

3.4 Product use

The Interactive Format Generator IFG allows the creation, the
modification and the management of formats (masks, maps) for the
dialog between the user terminal and the application program.

You work with IFG interactively, drafting the image of the format
directly on the screen and you can examine the result at any
time.

To ease the programming of the FHS application, IFG offers the
generation of addressing aids for the following languages:
ASSEMBLER, COBOL, RPG, C, PASCAL, FORTRAN, PL/I, DRIVE.

From IFG V8.1, dialog variables may be defined instead of ad-
dressing aids, in order to use formats with FHS-DM (for TIAM).

The FHS program can be written for the following access methods:
TIAM, DCAM and UTM.

The utility routine IFGFV (in batch mode or interactively) allows many format management functions.

3.5 Obsolete functions (and those to be discontinued)

None

3.6 Incompatibilities

None

3.7 Restrictions

1. IFG versions V8.1 or above writes sources formats with a different structure from former versions of IFG. IFG is still able to read formats with an old structure (no conversion is required), but if such formats are modified (by an explicit modification, or at preparation time) they are stored with the new structure and cannot be used anymore with a former version of IFG.
2. Editing help formats.
   When drafting or modifying the image of a help format, working in the big window only allows to edit lines up to the screen number of lines as no scrolling can occur in this screen. Lines above this limit can only be edited using the small window.

3.8 Procedure in the event of errors

If an error occur, the following error information is required for diagnosis:

- A detailed description of the error condition, indicating whether and how the error can be reproduced.
- The error message with error code displayed by IFG.
- If the error code analysis indicates the existence of an IFG error, the SYSOUT protocol, the PLAM library containing the current format and the user profile are required for diagnostic purpose.
- When possible, it is advised to work with switch 11 set to create a SYSOUT protocol on SYSLST.

4 Hardware support

4.1   Terminal configuration

```
Supported terminals:
3270
8161 (no more for new formats)
8162 (no more for new formats)
8160
9748
9749
9750
9751
9752
9753
9754
9755
9756
9756-12x
9758
9759
9762
9763 black & white
9763 colors
9758 8 bits
9763 8 bits
```

4.2   Printer configuration

```
Supported printers:
3287
4810-P10
9001-8931/832 (9001-893 for FHS-ASS)
9001-31/32 (9001-31 for FHS-ASS)
9001-xxx
9002
9003
9004
9011-18/28
9011-19/29
9011-10/20
9012
9013
9014-11/15/16 (ECMA emulation only)
9021-2
9022-200/200U
9022 (not 9022-300/300U)
9025
9097-10/20
RSO printers (for OpenUTM applications)
```