

Fujitsu Technology Solutions

IQS (BS2000/OSD)
Version 4.0A50
May 2013

Readme file

All rights reserved, including intellectual property rights.
Technical data subject to modifications and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Copyright © Fujitsu Technology Solutions 2013

1 General	1
1.1 Readme file	1
2 Software extensions	2
2.1 Extensions as of IQS V4.0A	2
2.1.1 Starting an IQS session (page 2-2)	2
2.1.2 Input mask when IQS is started (page 1-6)	3
2.1.3 KEEP statement (Format 2) (page 4-18)	3
2.1.4 OPEN DB statement (page 4-38)	3
2.1.5 Extended SET statements (page 4-66)	3
2.1.6 SORT statement (page 4-77) and SORT and GROUP parameters (page 4-26)	3
2.1.7 Calling BS2000 standard products (page 9-1)	4
2.1.8 Evaluation routine BWRLOG (page 10-1)	4
2.2 Changes since IQS V4.0A10	5
2.2.1 Dependency working with ADILOS	5
2.3 Changes since IQS V4.0A20	5
2.3.1 Executable in upper address space	5
2.3.2 Output date for FHS masks (page 7-4)	5
2.3.3 BUGRAF connection	5
2.4 Changes since IQS V4.0A30	5
2.4.1 Numeric data fields with more than 15 digits	5
2.5 Changes since IQS V4.0A40	5
2.5.1 Rebranding to Fujitsu Technology Solutions	5
2.6 Changes since IQS V4.0A50	6
2.6.1 Start procedure SYSPRC.IQS.040 (page 1-3)	6
2.6.2 Adjusting of the start procedure SYSPRC.IQS.040.BWRLOG	6

1 General

This readme file refers to the user manuals of the version: "IQS 3.1D".

1.1 Readme file

This readme file contains all modifications since the publication of the user manuals for IQS 3.1D. For work with IQS 4.0A50 you will need this readme file and the corresponding handbooks.

The current README files are also provided on the manuals server at <http://manuals.ts.fujitsu.com>.

2 Software extensions

2.1 Extensions as of IQS V4.0A

2.1.1 Starting an IQS session (page 2-2)

An example of a startup procedure:

```
/SET-FILE-LINK LINK-NAME=IQSOML, FILE-NAME=&kennung..SYSLNK.IQS.040 (01)
/SET-FILE-LINK LINK-NAME=UDSOML, FILE-NAME=&udskenn..UDS.MODLIB (02)
/SET-FILE-LINK LINK-NAME=DATABASE, FILE-NAME=&dbname (03)
/SELECT-PRODUCT-VERSION PRODUCT-NAME=UDS-SQL, VERSION=&udsvers (04)
/START-PROGRAM FROM-FILE=*MOD (LIB=&kennung..SYSPRG.IQS.040, - (05)
/ELEM=C.IQS, RUN-MO=ADV (UN-EXTRNS=DELAY, LO-IN=REF) )
```

(01)

This LINK allocation defines the library in which IQS finds the prelinked module IQSMAN and the language modules. By default they will be supplied in the SYSLNK.IQS.040 library.

(02)

This LINK allocation defines the library from which the UDS modules are reloaded.
-> From V4.0A50 no longer necessary (see point 2.6)

(03)

This statement defines for IQS the name of the database from which a subschema should be adopted.

(04)

The required UDS version will be defined (in case of different parallel installed UDS versions)

-> New since V4.0A50 (see point 2.6)

(05)

The IQS load module is started. By default it is supplied in the library SYSPRG.IQS.040.

An IQS variant with linked in DBH is also available to the database administrator. It can be started with the following command:

```
/START-PROGRAM FROM-FILE=*MOD (LIB=&kennung..SYSPRG.IQS.040, -
/ELEM=C.L.IQS, RUN-MO=ADV (UN-EXTRNS=DELAY, LO-IN=REF) )
```

A complete startup procedure is supplied with the name SYSPRC.IQS.040.

Warning :

For the UDS LINK strategy, a SYSFILE TASKLIB assignment is still required.

-> From V4.0A50 no longer necessary (see point 2.6)

2.1.2 Input mask when IQS is started (page 1-6)

In this mask the specifications for the user name, the user group and the password are not required. Only the subschema name has to be entered.

2.1.3 KEEP statement (Format 2) (page 4-18)

A transfer file created by another product may only contain a record description. If, for example, a transfer file is created with DRIVE, it can only contain the result of an INSERT INTO TRANSFER FILE statement.

2.1.4 OPEN DB statement (page 4-38)

Parameter specification

The parameter <access-rights> is no longer available.

Statement :

OPEN DB SUB = subschemaname

Specification without parameters

If the OPEN DB statement is specified without parameters, IQS displays an input mask, in which only the subschema name need be entered.

2.1.5 Extended SET statements (page 4-66)

The number of lines per page and characters per line can be altered by using the SET statements. These specifications will take effect with the PRINT statement. You can thus establish how many lines the printer should print on one page and how many characters should appear in one line.

Statement :

SET lpp = number (lines per page)
 SET cpl = number (characters per line)

Default values :	lines per page = 52
	characters per line = 132
Minimum specification :	lines per page = 10
	characters per line = 35
Maximum specification :	lines per page = 255
	characters per line = 255

2.1.6 SORT statement (page 4-77) and SORT and GROUP parameters (page 4-26)

The SORT library where the necessary SORT modules can be found must be assigned before the statement is first called or before the parameter with which SORTLIB is assigned to the LINK name is specified for the first time.

2.1.7 Calling BS2000 standard products (page 9-1)

In order to reload EDT or LMS a BLSLIB<no> assignment is required.

Example :

```
/SET-FILE-LINK LINK-NAME=BLSLIB01, FILE-NAME=$kennung..EDTLIB  
/SET-FILE-LINK LINK-NAME=BLSLIB02, FILE-NAME=$kennung..LMSLIB
```

2.1.8 Evaluation routine BWRLOG (page 10-1)

The SYSPRC.IQS.040.BWRLOG startup procedure is supplied.

The corresponding load module C.BWRLOG is supplied in the library SYSPRG.IQS.040.

2.2 Changes since IQS V4.0A10

2.2.1 Dependency working with ADILOS

IQS V4.0A10 requires ADILOS version V6.3A10.

2.3 Changes since IQS V4.0A20

2.3.1 Executable in upper address space

IQS is since version V4.0A20 also executable in the upper address space. Therefore a new parameter is necessary in the START-PROGRAM-statement: PROG-MODE=ANY. IQS is furthermore executable in the lower address space. The supplied start procedure SYSPRC.IQS.040 is adapted for execution in lower address space or upper address space.

2.3.2 Output date for FHS masks (page 7-4)

Since IQS version V4.0A20 the date can be displayed with 8 letters as yyyyymmtd. Therefore the output field of the FHS mask has to be defined with 8 letters.

2.3.3 BUGRAF connection

If IQS is running in the upper address space and it should be worked with BUGRAF an error message will be displayed.

2.4 Changes since IQS V4.0A30

2.4.1 Numeric data fields with more than 15 digits

Since IQS version V4.0A30 numeric data fields up to including 18 digits can be defined.

2.5 Changes since IQS V4.0A40

2.5.1 Rebranding to Fujitsu Technology Solutions

2.6 Changes since IQS V4.0A50

2.6.1 Start procedure SYSPRC.IQS.040 (page 1-3)

Due to the load of the modules of the UDS modlib with IMON means the assignments of TASKLIB and the LINK name UDSOML in the start procedure are no longer necessary.

The following statements have been deleted:

```
/SET-FILE-LINK LINK-NAME=UDSOML, FILE-NAME=&UDSKENN..UDS.MODLIB
/SET-TASKLIB LIBRARY=&UDSKENN..UDS.MODLIB
```

A new procedure parameter &UDSVERS and a new statement have been inserted with the dedicated version of the UDS.MODLIB to be loaded:

```
/SELECT-PRODUCT-VERSION PRODUCT-NAME=UDS-SQL, VERSION=&UDSVERS
```

Example of start procedure SYSPRC.IQS.040 :

```
/BEGIN-PROCEDURE LOGGING=NO, PARAMETERS=YES (PROCEDURE-PARAMETERS=( -
...
/&UDSVERS=02.6A10, -
...
/REMARK &UDSVERS 7-STELLIGE VERSIONSBEZEICHNUNG VON UDS-SQL
/SELECT-PRODUCT-VERSION PRODUCT-NAME=UDS-SQL, VERSION=&UDSVERS
...
/START-PROGRAM FROM-FILE=*MOD (LIB=&KENNUNG..SYSPRG.IQS.040, ELEM=-
/C.L.IQS, PROG-MO=ANY, RUN-MO=ADV (UN-EXTRNS=DELAY, LO-IN=REF) )
```

2.6.2 Adjusting of the start procedure SYSPRC.IQS.040.BWRLOG

The predefiniton UDS.MODLIB for the library to reload the formatting module MFHSFORM has been removed. With the new procedure parameter &FORMLIB the library with the module MFHSFORM has to be specified, e.g. &FORMLIB=\$TSOS.MFHSROUT.

Example of start procedure SYSPRC.IQS.040.BWRLOG:

```
/BEGIN-PROCEDURE LOGGING=NO, PARAMETERS=YES (PROCEDURE-PARAMETERS=( -
...
/&FORMLIB=$TSOS.MFHSROUT) , -
...
/SET-TASKLIB LIBRARY=&FORMLIB
...
/START-PROGRAM FROM-FILE=*MOD (LIB=&KENNUNG..SYSPRG.IQS.040, ELEM=-
/C.BWRLOG, PROG-MO=ANY, RUN-MO=ADV (UN-EXTRNS=DELAY, LO-IN=REF) )
```