iExcelGen
Spool-Add-On

Programmer's Guide & Reference Manual

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1 Editorial

iExcelGen Spool-Add-On

Manual

Edition "04/2005"
This edition applies to the licensed program *iExcelGen Spool-Add-On* Version
05.03 and to all subsequent releases and modifications until otherwise indicated
in new editions.
Make sure that you are using the latest edition for the level of this product.

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We reserve the right to change this text.
```

2   Introduction

The *iExcelGen Spool Add-On* is, as indicated by the name, an addition to the GOERING-Tool *iExcelGen.*
Its purpose is to convert spool file data into separate columns rather then to have all the spool data placed into one column, which is what the standard iExcelGen does.

iExcelGen Spool Add-On allows for a selective conversion of Data from spool files, which have all the data reported in a consistent manner throughout the spool file. Typical Reports (like these form Query/400) are ideal to convert using the Spool Add-On.

Even multi-line list types can be processed. The result in Excel will be all in one row, rather then split into multiple rows.

With this functionality, *iExcelGen Spool Add-On* provides a method of spool file processing in a manner that is not possible manually and is not available from any native iSeries Product.

The Definition is done with an easy-to-use editor, which works rather intuitively.

All the definitions can be stored and recalled later so that reports with same layout must not defined twice.

3   Installation/ Licensing

3.1   Overview

This Chapter describes how to:

- <u>receive</u> iExcelGen Spool-Add-On and its latest release from the internet.

- <u>install</u> iExcelGen Spool-Add-On on your System.

- <u>license</u> iExcelGen Spool-Add-On on your System.

3.2   Downloading from the Internet

iExcelGen Spool-Add-On can be downloaded from the internet address:
http://www.goering.us

The file contains a compressed AS/400- resp. iSeries-Backup-File with all
necessary objects for running *iExcelGen Spool-Add-On.*

There are 3 ways to install *iExcelGen Spool-Add-On:*

     a) Using the BRAVO Reader from Symtrax.
     b) Installation of the SAVF using the INSTALL AID from Bugbusters.
     c) Installation of the SAVF using FTP

We recommend option a) because the technical support by Symtrax is very
professional and responsive in solving technical problems!

Information about the latest iExcelGen Spool-Add-On release level can be found
at http://www.goering.us

3.3   Preparations

1. Extract the (.zip) Download-File

If you do not already have a utility to unzip archived files, we recommend the application Winzip, which can be downloaded from the internet
 http://www.winzip.com
After the extraction, you will have either (separate from the execution) the ASCII file IXLSSPL.BRV or (using the FTP variant) IXLSSPL.SAV

2. Verify that the FTP-Service on your AS/400 i.e. iSeries is active or start it.

Use the AS/400-command: STRTCPSVR SERVER(*FTP) to start the service

3. Update

If you want to update your existing *iExcelGen Spool-Add-On* installation, please rename your current library IXLSSPL to IXLSSPLOLD.

Use the AS/400-command: RNMOBJ OBJ(IXLSSPL) OBJTYPE(*LIB) NEWOBJ(IXLSSPLOLD)

The installation program recognizes this library and adopts all the settings from it.

3.4   BRAVO Reader Version

We recommend the utility BRAVO Reader. The installation is very easy and the technical support by Symtrax is very professional for solving technical problems!

The tool BRAVO Reader can be downloaded from our website http://www.goering.us or directly from Symtrax http://www.eu.symtrax.com (free download!)

After the installation of the BRAVO Reader on your PC, you will need to open the file IXLSSPL.BRV.
Please fill out the dialog boxes as you normally would.

Please proceed to chapter on Licensing.

3.5 INSTALL AID

To easily transfer *iExcelGen Spool-Add-On* to your System AS/400, we also recommend using the tool INSTALL AID from Bugbusters.

The tool can be downloaded from the internet address http://www.bugbusters.net (free download!).

After the installation on your PC, you have to open the file IXLSSPL.SAV. Please fill out the dialog boxes with normal values.

Please proceed to the chapter on Licensing.

3.5 INSTALL AID

3.6   Installation - manually operated by FTP

1. Create the backup-file on your System

Use the name IXLSSPL and the AS/400-command:
>   CRTSAVF FILE (QGPL / IXLSSPL) AUT(*ALL)

Open a DOS Window on your PC and change into the subdirectory which
contains the ASCII file IXLSSPL.SAV (see chapter Installation-Preparations) .

2. Sign on to your System AS/400 resp. iSeries.

*Note that the name "AS400" will be used for the name of your system AS/400
resp. iSeries and the color blue for all responding messages from the FTP.
>   **FTP AS400**
>   Connected with AS400
>   220-QTCP at AS400.FIRMA.DE
>   220 Connection will close if idle more than 5 minutes.
>   User (AS400: (none)): **USER**
>   331 Enter Password
>   Password **PASSWORD**
>   Note that neither the password will be shown nor the cursor will move during
>   entry.
>   230 USER logged on.

3. Change into the binary mode
>   FTP> **binary**
>   200 Representation type is binary IMAGE.

4. Change the naming format
>   FTP> **quote site namefmt 1**
>   250 Now using naming format "1".

5. Change to the library QGPL of your System AS/400 resp. iSeries
>   FTP> **cd_/qsys.lib/qgpl.lib**
>   250 "QSYS.LIB/QGPL.LIB is current library.

6. Start the transfer from PC to the AS/400 resp. iSeries
>   FTP> **put IXLSSPL.SAV IXLSSPL.SAVF (replace)**
>   200 PORT subcommand request successful.
>   150 Sending file to member IXLSSPL.SAV in file
>   IXLSSPL.SAVF
>   in library QGPL.
>   Note that the transfer time will take a few minutes.

250 File transfer completed successfully.
FTP 123456789 Bytes sended in 98.76 seconds 54.321
KB/Sec.

7. Terminate the FTP-Session on the System AS/400 resp. iSeries.
FTP> **quit**
221 QUIT subcommand received.

8. Close the DOS command entry window.

The transfer to your System AS/400 resp. iSeries is complete.

9. Create the *iExcelGen Spool-Add-On*-Objects on the System AS/400 resp. iSeries

using the AS/400-command: RSTLIB SAVLIB (IXLSSPL) DEV (*SAVF) SAVF (QGPL/IXLSSPLL)

Please proceed to the chapter on Licensing.

3.7   Licensing

1. Add the library to your Library Searchlist in your Session

Use AS/400-command: ADDLIBLE IXLSSPL

Installation of *iExcelGen Spool-Add-On* is now complete and, after entering the license key, ready for execution.

2. Call the licensing for *iExcelGen Spool-Add-On*

Use the command: CALL IXLSSPLCOD

3. Note the system specifications of your AS/400.

The *iExcelGen Spool-Add-On* licensing display will indicate the

     a) Serial-Number,
     b) Model-Number and
     c) Processor-Number

of your AS/400 resp. iSeries. Please send these system information via e-mail to:
info@goering.de
You will receive your *iExcelGen Spool-Add-On* license key within 24 hours via e-mail.
The quickest solution for license code (to receive license in 30 minutes!) is to enter your system specifications at the download web page at
http://www.goering.de
If you fail to enter the system specifications when downloading, you can revisit the page, enter the system information and select the button "Code Only".

4. Enter your *iExcelGen Spool-Add-On* license key

Use the command :   CALL IXLSSPLCOD

Enter the license key and press the **Enter Key**, *iExcelGen Spool-Add-On* is now ready to run.
Please note that the program tolerates only three repeated attempts of false license keys entries per day. Further attempts will cause a deactivation of the *iExcelGen Spool-Add-On* licensing for the rest of each day.

4   Conversion of Spooled Output Files

4.1   Overview

This Chapter describes:

- <u>The general functions and handling methods to convert spooled output files</u>.

- <u>The selection and narrowing of spool file pages and print lines.</u>

- The use of the instructions to select and specify spooled output data.

- The storage of entered selection and conversion instructions.

4.2   General Functions To Convert Spooled Output Files

iExcelGen Spool-Add-On enables the user to convert selected data of spooled output print files with an (excluding front pages) identical page-by-page repeated layout.

We want to mention the alternatively available product "*i4Splitt*". This is more complex in functionality and comes with an PC-Designer. *i4Splitt* can also process reports with different types of lines. Ask us for "*i4Splitt*" if the Spool Add-On doesn't fit your needs.

The converting instructions can be stored in IXLSGEN specification files and assigned for later conversions of spooled print files with an identical page layout.

The control as to when an existing definition should be used or whether the definition mode should be displayed depends on the parameter **SPOOLFILE DEFINITION** of the command **IXLSGENSPL.**

The option *DEFINE* shows a dialogue box to define a spool file structure with Header, Details, Title etc., the option *USE* needs also to identify an existing spool file definitions file and performs the conversion process with the previously stored definitions.

The factory defaults of AGSPLF contains the **Shortcuts ED** (for *DEFINE) and **EU** (for *USE), which are highly recommend to use.

Get a quick overview with the prepared samples...

4.3 Selecting Print File Pages

Using the Option *DEFINE* of the parameter **SPOOLFILE DEFINITION** from the command **IXLSGENSPL** and the concurrent input of the spool file to be converted, the screen "Spool file Conversion" starts automatically.

You can define what areas of the spools should be selected. You should see a display with the Spool file content. The instructions to select spooled print file pages, lines and data are entered in the display format "Spool file Conversions". This format is displayed after specifying the spool file and also shows its contents.

Please note, that only the first 10 or 20 print file pages will be shown (depending of the file volume) to reduce the time of loading especially larger spool files into the work space of IXLSGEN.

The first step in selecting data to be converted is the specification of the print file page that is used as a pattern for all following pages of the entire file.

This page can be selected by entering its page number or narrowed by entering "E" (for the file end) in connection with the following <u>function keys</u>:

F7 Previous page

F8 Following page

F19 Displaying the (next) left part of the displayed page.

F20 Displaying the (next) right part of the displayed page

The selected page also determines the beginning of the spool file area that is converted and can be changed only by deleting all of its line instructions.

4.4   Selecting Line Areas

The second step in selecting the data to be converted is the specification of their repeated appearing position within their print file lines.

The start and end position of the line area in which the chosen data to select has to be specified in the horizontal input field under the line position ruler.

Please note, that the line area of numeric values have to be dimensioned only in such a size that no additional (alphanumeric) values will be selected in following pages.

Possible values to determine these positions are:

B   Start / **B**egin position of the line area.

BL like "**B**", but field is left alligned (recommended for when you have numeric content mixed with alpanumeric and want both aligned equal)

E   **E**nd position of the line area.

The number of selection areas per line is unlimited.

After entering the position values and pressing "**Enter**" the space between the start position "B" and end position "E" will be filled with "**X**".

4.5   Selecting Print File Lines

The third step to select the data to be converted is the specification of their print lines.

Three different types of conversion data can be specified:

a) Page headers

b) Column headers

c) Numeric values

4.5.1   Selecting Page Headers

After entering the start and end positions of the print line area (explained above), page headers can be specified and converted as Excel spread sheet titles.

Page Headers will only convert 1x to the Excel Sheet (except T1)

To specify the page header lines, the following instructions can be entered in their accompanying input fields within the left entry column:

    T   (**T**itle) Single line conversion of page headers.

    TB   **T**itle / **B**egin of a multiple line page header conversion.

    TE   **T**itle / **E**nd of a multiple line page header conversion.

    T1   Special: Marks a single title line, which is transferred from each page.

After entering the page header line instructions and pressing "**Enter**", the contents of the horizontal line position entry field is inserted above the first specified page header line.

Multiple page header line conversions are emphasized by filling the empty vertical line selection entry fields between "TB" and "TE" with "**TX**".

Please note, that only the page header text of the selected and displayed page will be converted.

4.5.2   Selecting Column Headers

After entering the start and end positions of the print line area (explained above) column headers resp. texts can be specified and converted for the Excel spread sheet.

To specify the page header lines, the following instructions can be entered in their accompanying input fields within the left entry column:

H	Column **H**eader / Single line conversion
HB	Column **H**eader / **B**egin of multiple line conversions
HE	Column **H**eader / **E**nd of multiple line conversions
H2	2. Part of the Position Headline (working with multiple reports lines for one position)
H3	3. Part of the Position Headline
H4	4. Part of the Position Headline
H5	5. Part of the Position Headline

After entering the column header line instructions and pressing "**Enter**", the contents of the horizontal line position entry field is inserted above the first specified page header line.

Multiple page header line conversions are emphasized by filling the empty vertical line selection entry fields between "HB" and "HE" with "**HX**".

Please note, that only the column header text of the selected and displayed page will be converted.

4.5.3   Selecting Numeric Values

After entering the start and end positions of the print line area (explained above) numerical values can be specified and converted for the Excel spread sheet.

To specify the page header lines, the following instructions can be entered in their accompanying input fields within the left entry column:

N   **N**umerical Values / Single line conversion per page.

NB   **N**umerical Values / **B**egin of multiple line conversions.

NE   **N**umerical Values / **E**nd of multiple line conversions.

Remark: If the begin of range is marked with "NB" and no "NE" is specified, that is interpreted to the end of the page.

After entering the instructions for numerical values and pressing "**Enter**", the definitions will be duplicated to the datalines.

Multiple line conversions of numerical values is emphasized by filling the empty vertical line selection entry fields between "NB" and "NE" with "**NX**".

Please note, that the line area of numeric values have to be dimensioned only in such a size that no other additional (alphanumeric) values (excepted the plus and minus sign) will be selected in following pages.

Alphanumeric contents in numeric specified line areas is converted as plain text into the Excel spread sheet.

This also means that text areas which characterizes the accompanying numerical values are converted additionally into an separate column of the Excel spread sheet.

Converting numerical values only the mathematical plus (**+**) and minus (**-**) sign will be recognized regardless of its positions within the specified line area.

To specify decimal numbers only the Point (**.**) will be recognized. All other formatting separation signs are omitted.

Lines without contents in their specified areas are output as empty fields in the Excel spread sheet.

4.6   Conversion Instructions

4.6.1   Deleting Of Conversion Instructions

Line instructions entered by error can be withdrawn with the help of delete instructions.

The following instructions can be entered in line instruction entry fields to delete wrong or unnecessary conversion instruction:

D_   (**D**elete) Using "**D_**" to overwrite the Begin instructions TB, HB or NB causes the deletion of the inserted area position line within the displayed spool file as well as all of their belonging other line instructions.

DB   **D**eletion **B**egin of a multiple line area to withdraw its and all other line instructions until "**DE**".

DE   **D**eletion **E**nd. This instruction specifies the end of a multiple line area to terminate the deletion of further instructions.

4.6.2   **Loading/Saving Of Conversion Instructions**

Remark:
Calling *iExcelGen* next time for a spool file with exactly the same structure, the conversion process can be performed without any additional dialog and processing can be started immediately.

This happens when the option *USE* of the parameter **SPOOLFILE DEFINITION** is used with reference to an existing instruction file.

IXLSGEN conversion instructions for spooled print files can be stored for further conversions of print files with the same layout.

After completing the entry of all conversion instructions, the function key **F6** can be pressed to display the format "Saving Instructions – Converting Spool files".

Leaving "Y" in the input field "Save instructions" the names of the instruction file, its member and library name have to be entered in order to store the instructions.

Please note, that all IXLSGEN instruction file names have to begin with the characters "IXG".
To store the instructions as an additional member, the function key **F4** can be used to select the appropriate IXLSGEN instruction file.

The "Library" input field allows the direct entry of existing library names (for saving the instruction file) or their selection by using the **F4** function key to display all existing user libraries.

The "Member" input field allows the direct entry of instruction member names or the display of all members within the previous specified library and instruction file by using the function key **F4**.

Leaving "Y" in the input field "Overwrite Member", you allow that the instructions of possibly existing members with the same name in the specified library and file may be overwritten.

Loading existing instructions is as easy as saving; Just type "L" at the field on the top.

4.7   Executing Spool File Conversions

Leaving "**Y**" in the input field "<u>Converting specified data</u>" in the above explained display format "<u>Saving Instructions – Converting Spool files</u>" the spool file conversion is initiated immediately after pressing the **entry key**.

The instruction "**N**" can be entered to save previously entered commands by suppressing an immediate spool file conversion.

5   Example Of Spool File Conversion

5.1   Starting

- At first we add the library IXLSGEN to the library list: **addlible ixlsgen**

- With the command **runqry samplespl3** we create the sample spool file.

- Now we call the spool file conversion: **agsplf jobname(*)**

```
AGSPLF              Select Spoolfiles for Processing            15.04.05
DSP01                                                           S1037240
Type options,  press Enter
 1=Send       2=Change           3=Hold         4=Delete  5=Disp.  6=Release
 8=Attributes 9=Copy spooled file 10=Sndnetsplf  11=HTML   12=PDF   13=Excel
                           Device or                   Total    Cur
Opt  File        User        Queue      User Data  Sts  Pages   Page    Cpy
ED   QPQUPRFIL   GOERING     QPRINT                HLD    1              1

                                                                     Ende
F3=Exit      F5=Refresh   F11=View 2     F12=Cancel       F13=Repeat
F15=Filter Records        F16=User Options              F18=Change Defaults
```

- The desired spool is selected with the Option "**ED**" and confirmed with **Enter**:

‼ <u>Note:</u> For a better demonstration, we have written the current input *red italics* for the screen displays!

–

```
                        iExcelGen for Spool Files (IXLSGENSPL)

Type choices, press Enter.

Spooled file name  . . . . . . . > QPQUPRFIL      Name
Job name . . . . . . . . . . . . > QPADEV000D     Name, *
  User . . . . . . . . . . . . >    GOERING       Name
  Number . . . . . . . . . . . >    021758        000000-999999
Spooled file number  . . . . . > 001             1-9999999, *LAST, *ONLY
Spool definition . . . . . . . > *DEFINE         Name, *NONE, *DEFINE...
Type of Spool Add-On . . . . .   *IXLSSPL        *IXLSSPL, *I4SPLITT
Definition File  . . . . . . . > IXGTEST         Name, *NONE, *DEFINE, *GEN...
  Library  . . . . . . . . . . >    QGPL         Name, *LIBL, *CURLIB
  Member name  . . . . . . . . > QPQUPRFIL       Name, *FIRST
Splitting definition name  . . > _____        Name
Splitting output design  . . . > *DEFAULT        Name, *DEFAULT
Spool filter . . . . . . . . . > *NONE
To Excel file  . . . . . . . . > '/QPQUPRFIL001'
To eMail-Address . . . . . . . > *NONE
Start i4Client . . . . . . . . > *NONE

                         Additional Parameters

Overwrite existing file  . . . > *NO              *YES,  *NO

                                                                    ...More
 F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel F13=How to use this display
F24=More Keys
```

We confim with **Enter** and received the following display for the spool file conversion:

```
iExcelGen          Spoolfile-Conversion                QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                            Page:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
   ─────────────────────────────────────────────────────────────────────────
__
__
__
__
__ 04/22/05  08:09:45                                  PAGE    1
__
__    CUSTID   CUSTNAME
__ ZIP        CITY
__     SALESACT         SALESPRV         DEBITACT
__
__         1   B.I.G.
__ 43323        ATLANTA
__   2.017.384,55   2.012.932,98         5.600,00-

F1=Help   F2=Edit   F3=End     F6=Def. save/load    F7=Previous Page
F8=Next Page      F12=Back     F19=To the left      F20=to the right
```

5.2 Definition Of The Header

5.2.1 1. Column Header

At first, we define the 1st header line:

- **-** at the left column we enter a "**H**" in the desired column header line
- **-** the desired columns are marked with "**B**" (Begin) and "**E**" (End) respectively.

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
      B    E    B         E



      04/22/05  08:09:45                                     PAGE    1

H     CUSTID   CUSTNAME
   ZIP        CITY
        SALESACT         SALESPRV         DEBITACT

           1   B.I.G.
   43323        ATLANTA
      2.017.384,55    2.012.932,98         5.600,00-

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page     F12=Back      F19=To the left      F20=To the right
```

After pressing the **Enter key,** we see the following display:

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+



      04/22/05  08:09:45                                     PAGE    1
H     BXXXXE   BXXXXXXE
H     CUSTID   CUSTNAME
   ZIP        CITY
        SALESACT         SALESPRV         DEBITACT

           1   B.I.G.
   43323        ATLANTA
      2.017.384,55    2.012.932,98         5.600,00-

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page     F12=Back      F19=To the left      F20=To the right
```

5.2.2   2. Column Header

The same procedure for the 2nd header line:

```
iExcelGen          Spoolfile-Conversion               QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                 PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
    B E          B E




   04/22/05  08:09:45                                   PAGE    1
H     BXXXXE    BXXXXXXE
H     CUSTID    CUSTNAME
H2 ZIP          CITY
      SALESACT          SALESPRV          DEBITACT

          1   B.I.G.
   43323       ATLANTA
    2.017.384,55    2.012.932,98         5.600,00-

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page       F12=Back     F19=To the left     F20=To the right
```

and after pressing the **Enter key**:

```
iExcelGen          Spoolfile-Conversion               QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                 PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+




   04/22/05  08:09:45                                   PAGE    1
H     BXXXXE    BXXXXXXE
H     CUSTID    CUSTNAME
H2 BXE          BXXE
H2 ZIP          CITY
      SALESACT          SALESPRV          DEBITACT

          1   B.I.G.
   43323       ATLANTA
    2.017.384,55    2.012.932,98         5.600,00-

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page       F12=Back     F19=To the left     F20=To the right
```

5.2.3   3. Column Header

_____

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                              PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
       B     E        B      E        B       E



    04/22/05  08:09:45                             PAGE    1

H     BXXXXE    BXXXXXXXE
H     CUSTID    CUSTNAME
H2 BXE         BXXE
H2 ZIP         CITY
H3     SALESACT       SALESPRV       DEBITACT

        1  B.I.G.
   43323       ATLANTA
    2.017.384,55   2.012.932,98       5.600,00-

F1=Help   F2=Edit  F3=End      F6=Def. save/load   F7=Previous Page
F8=Next Page     F12=Back     F19=To the left    F20=To the right
```
_____

and after pressing the **Enter key**:

_____

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                              PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+



    04/22/05  08:09:45                             PAGE    1

H     BXXXXE    BXXXXXXXE
H     CUSTID    CUSTNAME
H2 BXE         BXXE
H2 ZIP         CITY
H3     BXXXXXXE        BXXXXXXE       BXXXXXXE
H3     SALESACT       SALESPRV       DEBITACT

        1  B.I.G.
   43323       ATLANTA
    2.017.384,55   2.012.932,98       5.600,00-

F1=Help   F2=Edit  F3=End      F6=Def. save/load   F7=Previous Page
F8=Next Page     F12=Back     F19=To the left    F20=To the right
```
_____

Now we have completly marked the header lines and so we now begin marking the the data lines.

_____

5.3   Selection Of The Data Lines

5.3.1   1. Data Line

The data lines will be marked in a similar way like the column headers:

- **-** Mark the beginning of the data row with "NB"

- **-** The desired columns are marked with "**B**" (Begin) and "**E**" (End) respectively.

```
iExcelGen         Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
    B         E  B                                                 E
NB           1   B.I.G.
   43323          ATLANTA
    2.017.384,55   2.012.932,98         5.600,00-
             1   B.I.G.
   34553         NEW YORK
    8.984.384,00   2.946.434,77         1.900,50-

   * * * * * END OF REPORT * * * * *




 F1=Help   F2=Edit  F3=End      F6=Def. save/load   F7=Previous Page
 F8=Next Page      F12=Back     F19=To the left     F20=To the right
```

After pressing the **Enter key** we see the following display:

```
iExcelGen         Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+

NB BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
NB         1   B.I.G.
NX 43323          ATLANTA
NX  2.017.384,55   2.012.932,98         5.600,00-
NX          1   B.I.G.
NX 34553         NEW YORK
NX  8.984.384,00   2.946.434,77         1.900,50-
NX
NX * * * * * END OF REPORT * * * * *
NX
NX
NX
NX
NX

 F1=Help   F2=Edit  F3=End      F6=Def. save/load   F7=Previous Page
 F8=Next Page      F12=Back     F19=To the left     F20=To the right
```

5.3.2 2. Data Line

For the 2nd data line we overwrite the existent "NX". The beginning and the end of the data column are marked with "**B**" and "**E**".

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                 PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
    B        E   B                                                 E
NB BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
NB        1   B.I.G.
N2 43323       ATLANTA
NX  2.017.384,55   2.012.932,98        5.600,00-
NX        1   B.I.G.
NX 34553       NEW YORK
NX  8.984.384,00   2.946.434,77        1.900,50-
NX
NX * * * * * END OF REPORT * * * * *
NX
NX
NX
NX
NX

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page      F12=Back     F19=To the left      F20=To the right
```

After pressing the **Enter key** we see the following display:

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                 PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+

NB BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
NB        1   B.I.G.
N2 BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
N2 43323       ATLANTA
NX  2.017.384,55   2.012.932,98        5.600,00-
NX        1   B.I.G.
NX 34553       NEW YORK
NX  8.984.384,00   2.946.434,77        1.900,50-
NX
NX * * * * * END OF REPORT * * * * *
NX
NX
NX
NX

F1=Help   F2=Edit  F3=End       F6=Def. save/load   F7=Previous Page
F8=Next Page      F12=Back     F19=To the left      F20=To the right
```

5.3.3   3. Data Line

Lastly, we marked the 3rd data lines.   <u>Please note that:</u>

!!!! columns should be defined ahead of time, i.e. please define also the existing
leading signs (look on the column "DEBITACT") !

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+
    B           E B            E     B           E
NB BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
NB        1    B.I.G.
N2 BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
N2 43323       ATLANTA
Z3  2.017.384,55    2.012.932,98         5.600,00-
NX        1    B.I.G.
NX 34553       NEW YORK
NX  8.984.384,00    2.946.434,77         1.900,50-
NX
NX * * * * * END OF REPORT * * * * *
NX
NX
NX
NX

F1=Help   F2=Edit   F3=End      F6=Def. save/load   F7=Previous Page
F8=Next Page      F12=Back      F19=To the left     F20=To the right
```

After pressing the **Enter key** we see the following display:

```
iExcelGen          Spoolfile-Conversion              QPQUPRFIL/GOERING/021758

Select the sample spoolfile page:                                   PAGE:    1

   1...+....10...+....20...+....30...+....40...+....50...+....60...+....70...+

NB BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
NB        1    B.I.G.
N2 BXXXXXXXE    BXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXE
N2 43323       ATLANTA
N3 BXXXXXXXXXXXE  BXXXXXXXXXXXXE     BXXXXXXXXXE
N3  2.017.384,55    2.012.932,98         5.600,00-
NX        1    B.I.G.
NX 34553       NEW YORK
NX  8.984.384,00    2.946.434,77         1.900,50-
NX
NX * * * * * END OF REPORT * * * * *
NX
NX
NX
NX

F1=Help   F2=Edit   F3=End      F6=Def. save/load   F7=Previous Page
F8=Next Page      F12=Back      F19=To the left     F20=To the right
```

<u>The Instruction can be saved now</u> by pressing the function key **F6=Def. save
/load**

5.4　Save The Instructions - Extract Spool Data

After pressing the function key **F6=Def. save /load** we see the following display:

```
iExcelGen          Instruction storage - Spoolfile Data Extraction

Type choice press Enter:


Extraction-Definition Load/Save  .   S          L=Load,S=Save
  IXLSGEN-Definition File  . . . .   IXGTEST     F4=Display
    Library  . . . . . . . . . . .   *LIBL       F4=Display
  File Member  . . . . . . . . . .   QPQUPRFIL   F4=Display
  Overwrite file member? . . . . .   Y           Y=Yes,N=No
  Text . . . . . . . . . . . . .     _____

Specified Data extraction  . . . .   Y           Y=Yes,N=No



 F3=Exit                 F12=Cancel
```

This was the complete definition! After pressing the **Enter key** the conversion is beginning.

Here you can see the result:

Ready! For 3 Lines of the Report iExcelGen generated one line in Excel.
Now you can sort/select corresponding data.
The Headline is where it should be and formatted bold.
Columns are correct sized, values have thousands point and a fixed decimal fraction.
Not too bad!

There is only one little blemish, the text "END OF REPORT".

This text can be removed with the filter function .

5.5 Filter Function

We make an afresh call of the conversion (display "Select Spool files for Processing") with the option "**EU**" , but without the definition:

```
                   iExcelGen for Spool Files (IXLSGENSPL)

 Type choices, press Enter.

 Spooled file name  . . . . . . . > QPQUPRFIL     Name
 Job name . . . . . . . . . . . . > QPADEV000D    Name, *
   User . . . . . . . . . . . . . >   GOERING     Name
   Number . . . . . . . . . . . . >   021758      000000-999999
 Spooled file number  . . . . . . > 001           1-9999999, *LAST, *ONLY
 Spool definition . . . . . . . . > *DEFINE       Name, *NONE, *DEFINE...
 Type of Spool Add-On . . . . . .   *IXLSSPL      *IXLSSPL, *I4SPLITT
 Definition File  . . . . . . . . > IXGTEST       Name, *NONE, *DEFINE, *GEN...
   Library  . . . . . . . . . . . >   QGPL        Name, *LIBL, *CURLIB
   Member name  . . . . . . . . . > SAMPLE3       Name, *FIRST
 Splitting definition name  . . . > _____      Name
 Splitting output design  . . . . > *DEFAULT      Name, *DEFAULT
 Spool filter . . . . . . . . . . > 'END OF REPORT'
 Spool filter to  . . . . . . . . > *NONE
 Number of lines  . . . . . . . . > *ONLY         1-50, *ONLY, *PAGEND
 To Excel file  . . . . . . . . . > '/QPQUPRFIL001'

                                                             Bottom
   F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel F10=Additional Parameters
  F13=How to use this display        F24=More Keys
```

> **!!!!** Please note that the member name "SAMPLE3" is defined and the spool filter is "END OF REPORT"

The result is a report without an interfering closing line:

	A	B	C	D	E	F	G
1	CUSTID	CUSTNAME	ZIP	CITY	SALESACT	SALESPRV	DEBITACT
2							
3	1	B.I.G.	43323	ATLANTA	2.017.384,55	2.012.932,98	-5.600,00
4	1	B.I.G.	34553	NEW YORK	8.984.384,00	2.946.434,77	-1.900,50
5							

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