BaanERP

Conversion Guide of DEM models from
BAAN IV to BaanERP
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About this document

This document explains the conversion of DEM models from BAAN IV to BaanERP. This document also contains instructions on how to fill the conversion tables and how to execute the conversion of BAAN IV sessions to BaanERP sessions.
Conversion Guide of DEM models from BAAN IV to BaanERP
The business processes and utilities in BAAN IV can be reused in BaanERP by migrating the models from BAAN IV to BaanERP. The business processes and utilities can also refer to sessions that are not present in BaanERP or differ with regard to coding and functionality. Therefore, the BAAN IV sessions must be converted to BaanERP sessions. To support the conversion of BAAN IV sessions to BaanERP sessions, a relation between BAAN IV sessions and BaanERP sessions must be made.

To explain the conversion of DEM models from BAAN IV to BaanERP, this document has been set up the following way:

Chapter 2, 3 and 4 contain instructions on how to fill in the conversion tables. In these chapters, the preliminary actions are described that must be carried out before the actual conversion can be performed.

Chapter 5 contains information on how to carry out the conversion of BAAN IV sessions to BaanERP sessions.

Chapter 6 explains how the conversion data can be imported or exported from the BAAN system.

The sessions needed to carry out the conversion can be found in the following menu browser path: *BaanERP Enterprise Modeler ➔ Master Data ➔ Miscellaneous ➔ Convert Sessions in Business Models.*

![Menu browser](image)

*Figure 1 Contents of folder Convert Sessions in Business Models.*
2 BAAN environments

A BAAN environment can be compared with a BAAN release for example BVa, BIVa, BIVb, and BIVc. A BAAN environment is used to differentiate sessions of different BAAN releases. Several possible environments can be maintained with using the BAAN Environments (tgbrg5557m000) session.

The current BAAN environment (the right column in Figure 2) indicates in which BAAN environment you are currently working. A BAAN environment can be set to the current BAAN environment by using the Change Current BAAN Environment (tgbrg0101s000) session.

![Figure 2 Changing the Current BAAN environment within the BAAN environment session.](image-url)
3 Session codes by BAAN environment

To be able to carry out a conversion between two BAAN environments, the sessions of both BAAN environments must be accessible. The sessions of the current BAAN environment can be obtained by using the Sessions (ttadv200) table. Sessions from other BAAN environments can be imported and stored in the Session Codes by BAAN Environment (tgbrg555) table. The stored information contains the session code, its description, and its BAAN environment.

By using the Export Session Codes to BAAN V (tgbrg5255m000, Figure 3) session in BAAN IV, a dump file is created with the session codes and description from the current package combination in BAAN IV. This dump file can be imported into BaanERP by using the Import Version Dump (tgbrg1245m000) session in BaanERP. After the import, the new environment is inserted in the BAAN Environments (tgbrg557) table, and the Session Codes by BAAN environment (tgbrg555) table is filled with BAAN IV’s session codes.

![Figure 3 Export session codes to BAAN V](image)

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With the Session Codes by BAAN Environment (tgbrg5555m000) session (see Figure 4) the session codes that are not in the current BAAN environment can be maintained (see Figure 5). The session codes that are within the current BAAN environment can be maintained by using the Sessions (ttadv2500m000) session.

**Figure 4 Session codes by BAAN environment**

**Figure 5 Session codes by BAAN environment details**
To print differences between two BAAN environments

From the Session codes by BAAN environment (tgbrg5555m000) session, you can access the Print Differences between BAAN Environments (tgbrg5456m000) session (see Figure 6). With this session you can examine the differences between two BAAN environments.

Figure 6 Selecting the Print Differences between BAAN Environment session
You can select different options (see Figure 7):

1. Print the sessions that are in BAAN Environment A and not in BAAN Environment B.
2. Print the sessions that are in BAAN Environment B and not in BAAN Environment A.
3. Print sessions that are both in BAAN Environment A and B.

Select the Read sessions from current environment check box to indicate that the session codes for the source-side must be retrieved from the Sessions (ttadv200) table. If this check box is cleared, you must indicate that the session codes for the source-side must be retrieved from the Session Codes by BAAN Environment (tgbrg555) table.
4 Conversion of session codes

This chapter contains a description of how to fill the table Conversion of session codes. This table contains the information how the session codes from one BAAN environment must be converted to an other BAAN environment.

Filling Conversion of Session Codes (tgbrg550) table automatically

The Fill Conversion of Session Codes (tgbrg5250m000) session fills the Conversion of Session Codes (tgbrg550) table automatically. However, the user should be careful when using this session. When you fill in the Conversion of Session Codes automatically the already existing records can be overwritten.

To user must perform the following steps in order to fill the Conversion of Session Codes (tgbrg550) table correctly.

1. Click the New Group button on the button bar, in the Conversion of Session codes (tgbrg5550m000) session, to enter the source and destination BAAN environments.

2. On the specific menu (Figure 8) select Fill Conversion of Session Codes.

![Figure 8 Selecting the Fill Conversion of session codes session](image)
The Fill Conversion of Session Codes (tgbrg5250m000) session will appear and you will use this session to perform the following steps.

3. Enter the source BAAN environment and the destination BAAN environment to specify the BAAN environments between which the conversion will take place.

4. If you want to indicate that the session codes for the source-side must be retrieved from the Sessions (ttadv200) table, select the Read Source Sessions from Current Environment check box. If this check box is cleared the session codes for the source-side must be retrieved from the Session Codes by BAAN Environment (tgbrg555) table.

5. If you select the Overwrite Existing Records checkbox, the existing records with the same source session code as the imported session code will be overwritten.
   If this checkbox is cleared the imported session code will not overwrite existing session codes.
   By default only the source-side of the Conversion of Session Codes (tgbrg550) table is filled. However if the Write Values Also in Destination check box is selected the destination-side will also be filled.
If you select both the Write Values Also in Destination check box and the Convert Destination Session Codes check box from BAAN IV to Standard BaanERP are selected, two adjustments are made to the inserted records:

- The source-side values will be translated to the destination-side values for the session code and authorization, according to the BaanERP standards. If the source session is present in the destination BAAN environment and the seventh character of the session code is equal to 5 then the authorization is Display. If the seventh character is not equal to 5 no authorization is given. The session code will not change. If the source session is not present in the destination BAAN environment and the seventh character of the session code is equal to 1, BAAN checks to see if the same code with a 5 as the seventh character exists in the destination BAAN environment. If so, the destination code is changed to the new session code and the authorization is set to Full Authorization. If not, no destination code is generated and the authorization is No Authorization.

- If the source session has the xxxxx1xxxx format, and the destination session has the xxxxx5xxxx format, another record is inserted with the same source session and with the destination session of the xxxxx1xxxx format. However, the destination session with format the xxxxx1xxxx format must exist in BaanERP in order for it to be inserted.
7. Click the Fill button. The Conversion of Session Codes (tgbrg550) table is filled with initial values. For the result, see Figure 10.

![Conversion of Session Codes](image)

Figure 10 Result of using Fill Conversion of SessionCodes

Figure 10 shows three types of replacements:

1. **Multiple replacement, first and second row from the top:**
   For each source session code, multiple destination session codes exits (1:N). At conversion the source session code is replaced by the destination session code with the lowest sequence number.

2. **Single replacement, third row from the top:**
   For each source session code, exactly one destination session code exits (1:1). At conversion the source session code is replaced by the destination session code.

3. **No replacement, fifth row from the top:**
   No destination session codes are defined for the source session code (1:0). This record will not be executed at conversion.

Another type of replacement exists which is not shown in Figure 10:

- **Complete replacement, sixth column from the left:**
  The Complete Replacement type can be applied in case of multiple replacement or single replacement. Complete replacement indicates that the functionality of the destination session includes the functionality of the source session.
To Update values in records

After the table is filled automatically, the whole table has to be evaluated, because the automatically generated values could be incorrect. This section explains how records are updated.

To update the values of the records in the Conversion of Session Codes (tgbrg5550m000) session the following steps must be carried out.

1. Choose the record to be evaluated.
2. Check each field to see if it contains the right values (see Figure 11).

3. If the required BaanERP session exists, you need to fulfill the following guidelines on the destination side:

   - A BAAN IV multi occurrence maintain (xxxxxx1xxmxxx) session becomes a BaanERP multi occurrence (xxxxxx5xxmxxx) session with Full Authorization.
     (for example, tgbrg5100m000 becomes tgbrg5500m000 with Authorization = Full)

   - BAAN IV single occurrence maintain (xxxxxx1xxsxxx) session becomes a BaanERP single occurrence (xxxxxx1xxsxxx) session with Full Authorization.
     (for example, tgbrg5105s000 becomes tgbrg5105s000 with Authorization = Full)
Conversion of session codes

- BAAN IV multi occurrence display (XXXXXX5XXMXXX) session becomes a BaanERP multi occurrence (XXXXXX5XXMXXX) session with Display Authorization.
  (for example, tgbrg5500m000 becomes tgbrg5500m000 with Authorization = Display)

- BAAN IV single occurrence display (XXXXXX5XXXXX) session becomes a BaanERP single occurrence (XXXXXX5XXXXX) session with Display Authorization
  (for example, tgbrg5502s000 becomes tgbrg5502s000 with Authorization = Display)

4 If the destination session includes the functionality of the source session, select the Complete Replacement check box.

If Complete Replacement is not applicable, a mandatory text is needed to inform the enduser how to handle the record during conversion. If Complete Replacement is applicable, a text can still be useful to define the extra functionality in BaanERP. This text must be written according to the following format: (Figure 12 contains an example)

<table>
<thead>
<tr>
<th>Description</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deleted fields on source session:</td>
<td>[field]</td>
</tr>
<tr>
<td>Changed fields from source to destination session:</td>
<td>[field 1]&gt;[field 2]</td>
</tr>
<tr>
<td>Added fields on destination session:</td>
<td>[field]</td>
</tr>
<tr>
<td>Deleted options on source session:</td>
<td>[option]</td>
</tr>
<tr>
<td>Changed options from source to destination session:</td>
<td>[option 1]&gt;[option 2]</td>
</tr>
<tr>
<td>Added options destination session:</td>
<td>[option]</td>
</tr>
<tr>
<td>Additional comment:</td>
<td>[comment]</td>
</tr>
</tbody>
</table>
To approve the record, the Approved Conversion check box must be selected. Approving User and Date of Approval must be filled correctly. Default values are given.

Click Save and Close.

If the Conversion of Session Codes (tgbrg550) table is not filled in correctly or completely the business processes and the utilities will not be converted correctly. As a result, the business processes and utilities will have links to sessions that do not exist in the new Baan environment.
To Add other conversion options

To add another conversion option (multiple replacement) choose the Copy command in the Conversion of session codes (tgbrg5550m000) session and select an existing record. A new conversion option is created with a new sequence number.

Modify this record by selecting the newly created record (Figure 13) and fill in the Destination Session and Authorization fields with the correct values. The same applies to the remaining fields.

To Copy conversions to other environments

If you want to copy conversions from one group to another choose Duplicate from the Group menu. This function is usefull when the conversion from source environment Xa to destination environment Ya corresponds (partly) to the conversion from source environment Xb to destination environment Ya.
To Print relevant data

You can print three types of reports in the Print Conversion of Session Codes (tgbrg5450m000) session (Figure 14, Options box):

1. **Print Conversion of Session Codes Data checkbox:**
   The contents of the Conversion of Session Codes (tgbrg550) table is printed in this report. If the Print Details checkbox is selected, all fields of the record are printed. If the Print Details checkbox is cleared, only the most important fields are printed. If the Print text checkbox is selected and a text is present, this text is printed on the report.

2. **Print expired session checkbox:**
   This report shows the sessions that are not converted, which indicates loss of functionality. This reports includes the difference between the origin of the source sessions – the Sessions by BAAN Environment (tgbrg555) table or the Sessions (ttadv200) table – and the source sessions in the Conversion of Session Codes (tgbrg550) table.
3 Print new sessions:
This report shows the sessions that do not have any related sessions in other environments, which indicates new functionality. This report includes the difference between the origin of the destination sessions – the Sessions (ttadv200) table, or the Sessions by BAAN Environment (tgbrg555) table – and the destination sessions in the Conversion of Session Codes (tgbrg550) table.
To Convert session codes in the models

You can convert the BAAN IV sessions into BaanERP sessions in the DEM models using the Conversion of Session Codes (tgbrg550) table. The conversion is carried out by the Convert Session Codes in Model (tgbrg5251m000) session, (Figure 15).

Figure 15 Convert Session Codes in Model

Before the conversion is carried out the following information has to be specified:

1. Select the version in which the business processes and utilities must be converted, followed by the range of the business processes and utilities.

2. Select the Execute Test Run check box to test the conversion. The actual conversion will not take place but all the relevant data will be printed.

3. If you want to restrict the range of the conversion, specify the source and the destination BAAN environment, followed by the range of source and the destination sessions. (The selection range fields of the sessions are placed below each other in stead of next to each other).
   - If the Convert only Approved Source and Destination Session Codes check box is selected, the restriction on the selection range is increased. Only the approved records are converted.
To Convert session codes in the models

- If the Convert only Complete Replacement checkbox is selected, the restriction on the selection range is also increased. Only the records that are complete replacements are converted.

4 On the Details tab of the Convert Session Codes in Model (tgbrg5251m000) session you can specify the following data (Figure 16):

- Activity descriptions that must be linked to the activities. (Only one option can be selected).
- Data that is printed on the report. A report is always printed when you execute a test run. If you carry out the conversion, you can disable the printing of the report.

Figure 16 Details tab of Convert Session Codes in Model

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The data related to the conversion of session codes can be exported. This export function is performed by using the Export Conversion Dump (tgbrg5257m000) session.

You can also import conversion data into the tables using the Import Conversion Dump (tgbrg5256m000) session (Figure 18). Specify the file with the data and the selection range.

**Figure 18 Import conversion data**
7 Glossary of fields and field related terms

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Conversion</td>
<td>Specifies (when set to yes) if a conversion is approved.</td>
</tr>
<tr>
<td>Authorization</td>
<td>Authorizations that pertain to the display or maintaining functionalities must be programmed explicitly in BaanERP sessions as distinct from sessions of BAAN IV, where authorizations are performed implicitly. The authorization of the destination sessions can be specified here.</td>
</tr>
<tr>
<td>BAAN environment</td>
<td>A BAAN environment can be compared with a BAAN release for example BVa, BIVa, BIVb, and BIVc. Environments are used to make a difference between sessions of different BAAN releases.</td>
</tr>
<tr>
<td>Complete Replacement</td>
<td>Indicates (when set to yes) if the destination session includes the functionality of the source session.</td>
</tr>
<tr>
<td>Destination BAAN environment</td>
<td>Specifies the BAAN environment of the destination session.</td>
</tr>
<tr>
<td>Destination Session</td>
<td>Specifies by what session from the destination BAAN environment the source session is replaced.</td>
</tr>
<tr>
<td>Multiple replacement</td>
<td>Specifies that for each source session code, multiple destination session codes exits (1:N).</td>
</tr>
<tr>
<td>No replacement</td>
<td>Specifies that no destination session codes are defined for the source session code (1:0).</td>
</tr>
<tr>
<td>Sequence Number</td>
<td>A number that is introduces to make distictions among the several destination sessions that can exist for one source session. The record with the lowest sequence number is the best candidate for replacing the source session.</td>
</tr>
<tr>
<td>Single replacement</td>
<td>Specifies that for each source session code exactly one destination session code exists (1:1).</td>
</tr>
<tr>
<td>Source BAAN environment</td>
<td>Specifies the BAAN environment of the source session.</td>
</tr>
<tr>
<td>Source Session</td>
<td>Specifies which session from the source BAAN environment is replaced by the destination session.</td>
</tr>
<tr>
<td>Text</td>
<td>A line of text must be entered in case no Complete Replacement is applicable for a conversion. This text specifies the differences between the source session and the destination session.</td>
</tr>
</tbody>
</table>