

# B\$GDCT – Generate Dictionary

The B\$GDCT routine can be used to build a Pervasive SQL or Microsoft SQL format DBX Speedbase dictionary from an appropriate meta-dictionary.

## 1. Invocation

To build a Pervasive SQL or Microsoft SQL format DBX Speedbase dictionary from an appropriate meta-dictionary existing Pervasive SQL or Microsoft SQL format DBX Speedbase database code:

```
CALL B$GDCT USING gd
```

where *gd* is a control block of the following format:

```

01  GD
02  GDVERS      PIC 9(4) COMP      * Rebuild block version
                                VALUE 0      * Must be set to 0
02  GDMETA      PIC X(5)          * Meta dictionary name
02  GDMUID      PIC X(3)          * and unit-id
02  GDDICT      PIC X(5)          * Dictionary name (spaces default)
02  GDDUID      PIC X(3)          * and unit-id (spaces default)
02  GDUPGD      PIC 9 C           * 0 do not increase the meta dictionary
                                * version on completion
                                * 1 increase meta dictionary version on
                                * completion
02  GDFLAG      PIC 9 COMP        * 0 = Overwrite existing dictionary
                                * 1 = Do not overwrite existing dictionary

```

The default dictionary and unit will only be available if a dictionary has previously been generated from the meta-dictionary.

## 2. STOP Codes and Exception Conditions

The following STOP codes may be generated by B\$GDCT:

STOP code	Description
25321	Invalid GD block version number

The following exception conditions may be returned by B\$DBXR:

EXIT code	\$\$COND	Description
25339	39	Unable to exclusively open meta dictionary
25340	40	Missing Meta-Dictionary Control Record
25341	41	No Records in Meta Dictionary (meta dictionary may be corrupt)

25342	42	Meta Dictionary contains more than 512 records
25343	43	Error opening new Dictionary
25344	44	The Output Dictionary Already Exists
25345	45	Unable to exclusively open existing Dictionary
25346	46	Cannot delete existing Dictionary
25347	47	The Meta Dictionary contains a Key greater than 512 long
25348	48	Error writing to Dictionary
25349	49	The Meta Dictionary contains a missing record set
25350	50	The Meta Dictionary contains a record set with no fields
25351	51	The Meta Dictionary contains a record set with no indexes
25352	52	The Meta Dictionary contains a record with missing indexes (corrupt)
25353	53	The Meta Dictionary contains a record set with a missing master
25354	54	A Master record set does not have a Primary Index
25355	55	A Record set has more than 127 GVFs
25356	56	A Record set has missing GVF's
25357	57	A GVA Field is Invalid, it is also an Index segment

25358	58	A GVA/GVF Field is not computational.
25359	59	A GVA Field is not at the end of a record set
25360	60	Error writing to Meta Dictionary
25361	61	Meta Dictionary is corrupt
25362	62	A Record set contains invalid number of indexes (not 1-64)
25363	63	An index contains too many segments or a key/GVF/GVA segment is above the 127 <sup>th</sup> position
25364	64	Link Field is missing or defined after the 127 <sup>th</sup> position
25365	65	Inconsistent Global Field definition
25366	66	Invalid GVF Relation
25367	67	Error reading from Dictionary
25368	68	Index exceeds 123 bytes
25369	69	Key length exceeds 4K
25370	70	No primary index or no segments in primary index or invalid primary index segments
25371	71	Sequential index error
25372	72	Too many masters
25373	73	A record set has more than 512 index segments

25374	74	No Default dictionary or unit available
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### **3. Programming Notes**

### **4. Examples**

None.

### **5. Copy-Books**

### **6. See Also**

B\$DXCP - Create Dictionary Copy Library