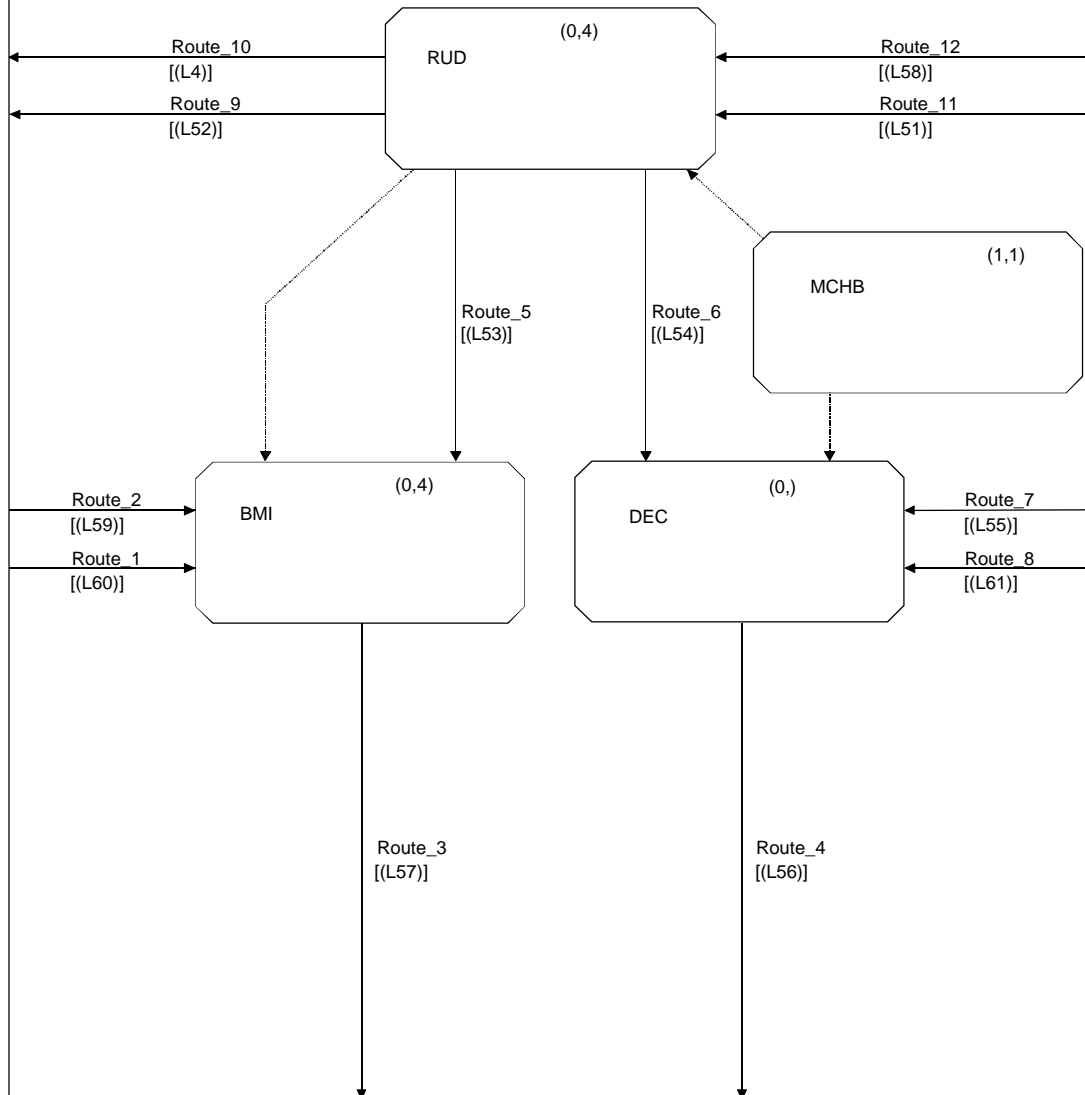


```
newtype Call_Type 1
  literals
    'voice',
    'data',
    'transp';
endnewtype call_type 1;
newtype Bit_mode_matrix
  literals
    1,
    0;
endnewtype Bit_mode_matrix;
newtype Call_Type 2
  literals
    'disc',
    'voice',
    'data',
    'transp',
    'bank',
    'faxbank';
endnewtype call_type 2;

/* Signal definitions */
SIGNAL
  Rxdata(Integer),
  Assign(integer,Integer,Call_Type2),
  Rxtransp(Integer), Rxtransprel(Integer),
  Trigger,
  Setcod(Integer,Integer, Boolean),
  Addressmap_for_SCs(Bit_mode_matrix),
  Process_reset;

/* Signallist definitions */
SIGNALLIST L4 = Rxdata;
SIGNALLIST L51 = Assign;
SIGNALLIST L52 = Rxtransp, Rxtransprel;
SIGNALLIST L55 = Trigger;
SIGNALLIST L56 = Setcod;
SIGNALLIST L57 = Addressmap_for_SCs;
SIGNALLIST L58 = Process_reset;
SIGNALLIST L59 = Process_reset;
SIGNALLIST L60 = Trigger;
SIGNALLIST L61 = Process_reset;
```

BLOCK RCP



```
/* Datadefinition (1) */  
connect C60 and Route_1;  
connect C59 and Route_2;  
connect C57 and Route_3;  
connect C56 and Route_4;  
connect C55 and Route_7;  
connect C61 and Route_8;  
connect C52 and Route_9;  
connect C4 and Route_10;  
connect C51 and Route_11;  
connect C58 and Route_12;
```

```
SYNONYM number_of_SCs Integer=EXTERNAL;  
SYNONYM number_of_decoders Integer=EXTERNAL;  
SYNONYM number_of_ICs Integer=EXTERNAL;  
synonym preassigned Call_Type2=EXTERNAL;
```

```
SYNTYPE decoder_range=Natural  
  CONSTANTS 1:number_of_decoders  
ENDSYNTYPE decoder_range;
```

```
SYNTYPE ic_range=Natural  
  CONSTANTS 1:number_of_ICs  
ENDSYNTYPE ic_range;
```

```
SYNTYPE sc_range=Natural  
  CONSTANTS 1:number_of_SCs  
ENDSYNTYPE sc_range;
```

```
SYNTYPE bit_mode=Natural  
  CONSTANTS 0,2,3,4,5,8  
ENDSYNTYPE bit_mode;
```

```
/* Datadefinition (2) */  
NEWTYPE decoder_list  
  Array (decoder_range, integer)  
ENDNEWTYPE decoder_list;  
  
NEWTYPE ic_access_list  
  Array (ic_range, integer)  
ENDNEWTYPE ic_access_list;  
  
NEWTYPE sc_access_list  
  Array (sc_range, integer)  
ENDNEWTYPE sc_access_list;  
  
NEWTYPE assigned_list  
  Array (sc_range, bit_mode)  
ENDNEWTYPE assigned_mode;  
  
NEWTYPE selected_decoder  
  Array (sc_range, integer)  
ENDNEWTYPE selected_decoder;  
  
SYNTYPE bitbank_range=Natural  
  CONSTANTS 0:11  
ENDSYNTYPE bitbank_range;  
  
SYNTYPE faxbank_range=NATURAL  
  CONSTANTS 1:61  
ENDSYNTYPE faxbank_range;  
  
NEWTYPE faxbank_list  
  Array (faxbank_range, integer)  
ENDNEWTYPE faxbank_list;
```

```
/* Datadefinition (3) */  
NEWTYPE connection_list  
  Array (ic_range, integer)  
ENDNEWTYPE connection_list;  
  
NEWTYPE sc_to_ic_list  
  Array (sc_range, integer)  
ENDNEWTYPE sc_to_ic_list;  
  
NEWTYPE call_type_list  
  Array (sc_range, call_type2)  
ENDNEWTYPE call_type_list;  
  
NEWTYPE ic_to_decoder_list  
  Array (ic_range, integer)  
ENDNEWTYPE ic_to_decoder_list;  
  
NEWTYPE DECPID_array  
  Array (decoder_range, Pld)  
ENDNEWTYPE DECPID_array;  
  
NEWTYPE adlist  
  Array (ic_range, integer)  
ENDNEWTYPE adlist;  
  
NEWTYPE queue /* = EXTERNAL */  
ENDNEWTYPE queue;
```

```
/* Signal definitions */  
SIGNAL  
  SC_bitmap (Bit_mode_matrix),  
  Seize(Integer,Integer),  
  Release, Seizev(Integer),  
  Mode_map(Integer);  
  
/* Signallist definitions */  
SIGNALLIST L53 = SC_bitmap;  
SIGNALLIST L54 = Seize, Release, Seizev, Mode_map;
```

PROCESS RUD

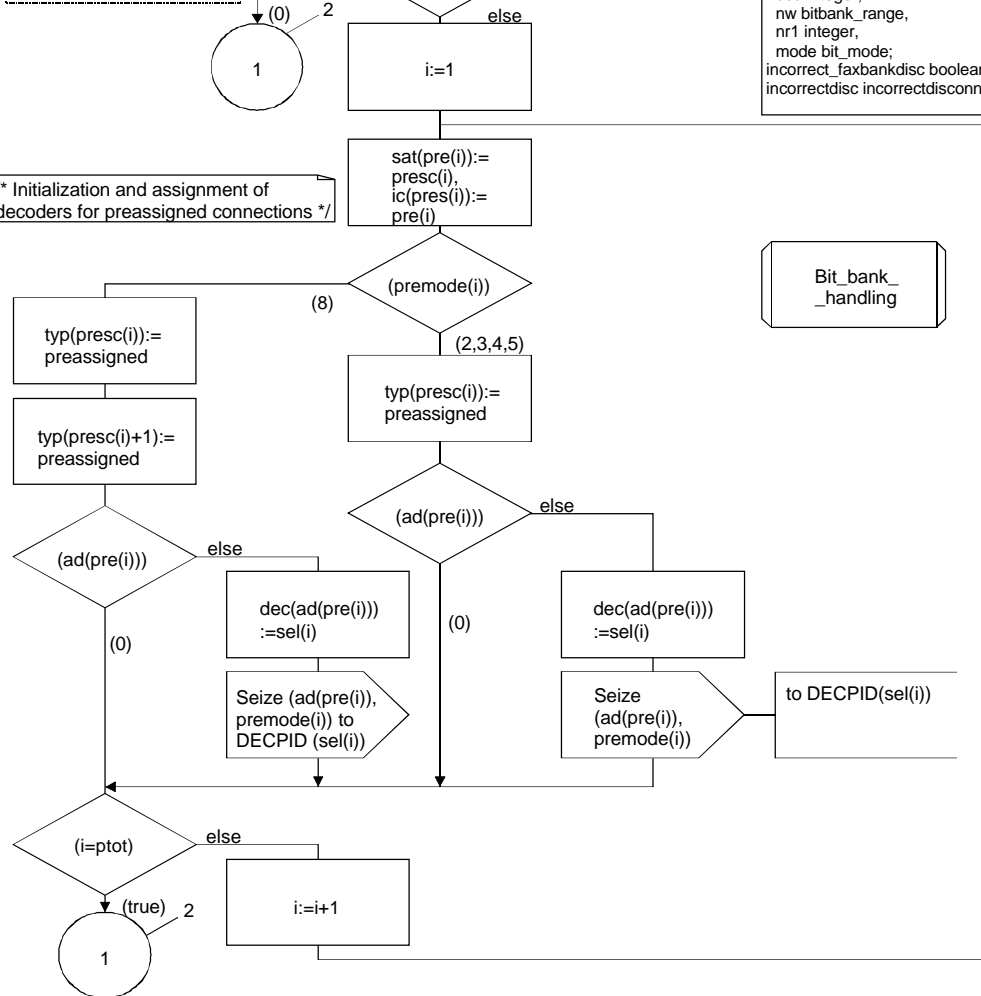
(page 1 of 83)

FPAR
dcdlist decoder_list,
bt integer,
iclist ic_access_list,
sclist sc_access_list,
pre ic_access_list,
presc sc_access_list,
premode assigned_mode,
sel selected_decoder,
ptot, btot integer,
ad adlist,
bitbank bitbank_list,
DECPID DECPID_array;
faxbank faxbank_list,
FCH_enabled boolean,
s integer;
SIGNALSET
Assign,
Process_reset;

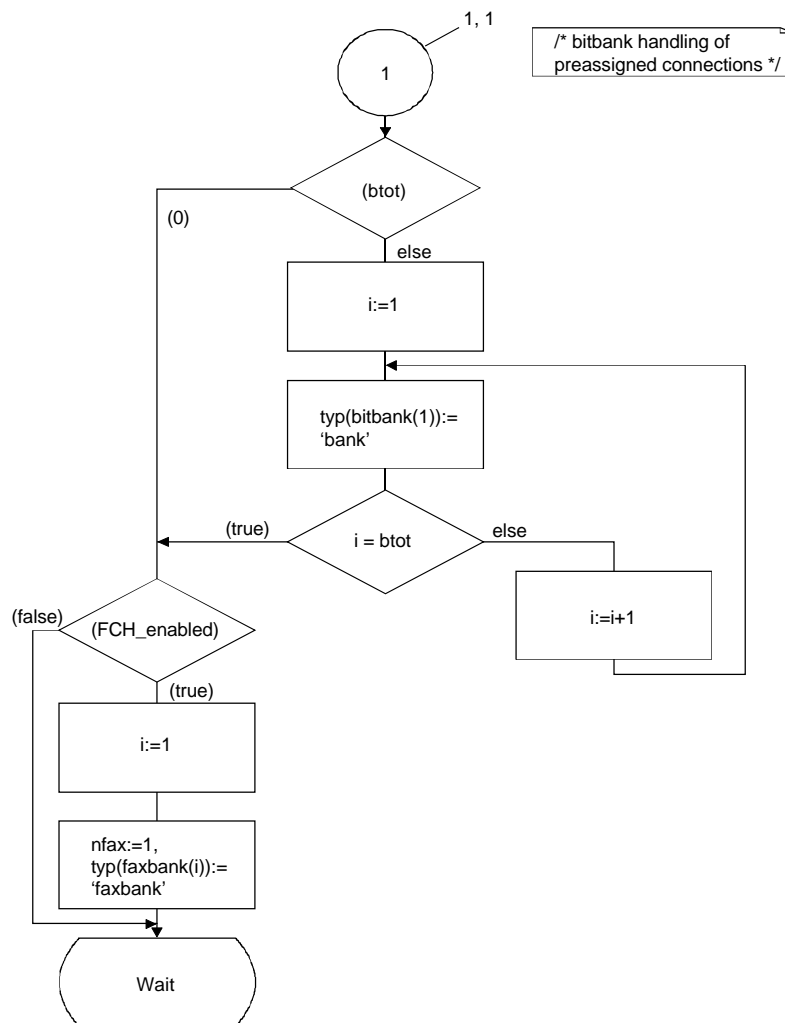
/* Rx_status_update_and_overload_channel_
decoding_process (RUD) */

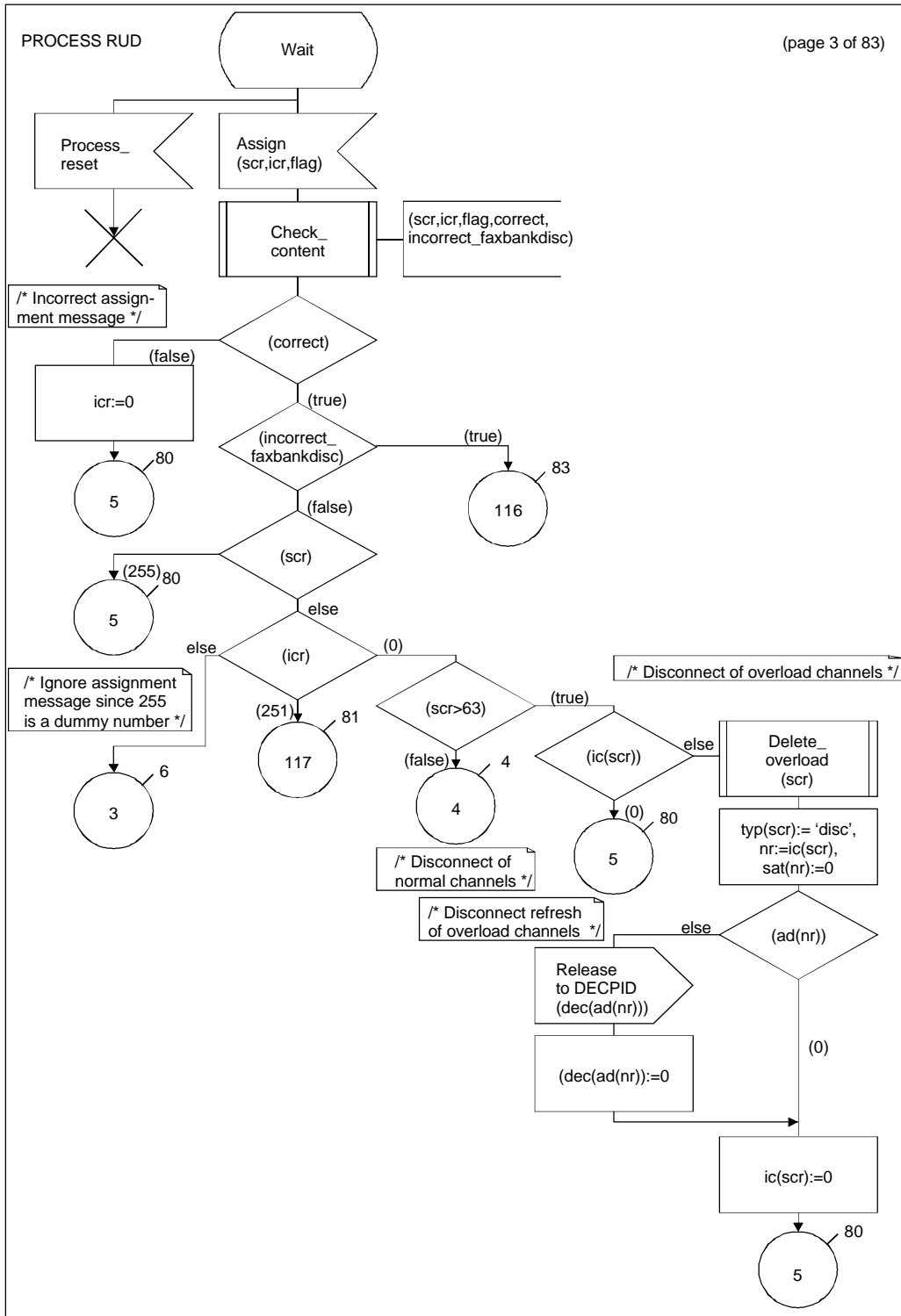
DCL
bit_map bit_mode_matrix,
BMIPID Pid,
sat connection_list,
ic_sc_to_ic_list,
typ call_type_list,
dec ic_to_decoder_list,
voicelist sc_access_list,
overloadlist sc_access_list,
i, prep integer,
scr, k integer,
icr, nr integer,
flag Call_Type2,
mode_array assigned_mode,
difference boolean,
correct, again boolean,
dcd integer,
nw bitbank_range,
nr1 integer,
mode bit_mode;
incorrect_faxbankdisc boolean,
incorrectdisc incorrectdisconnect;

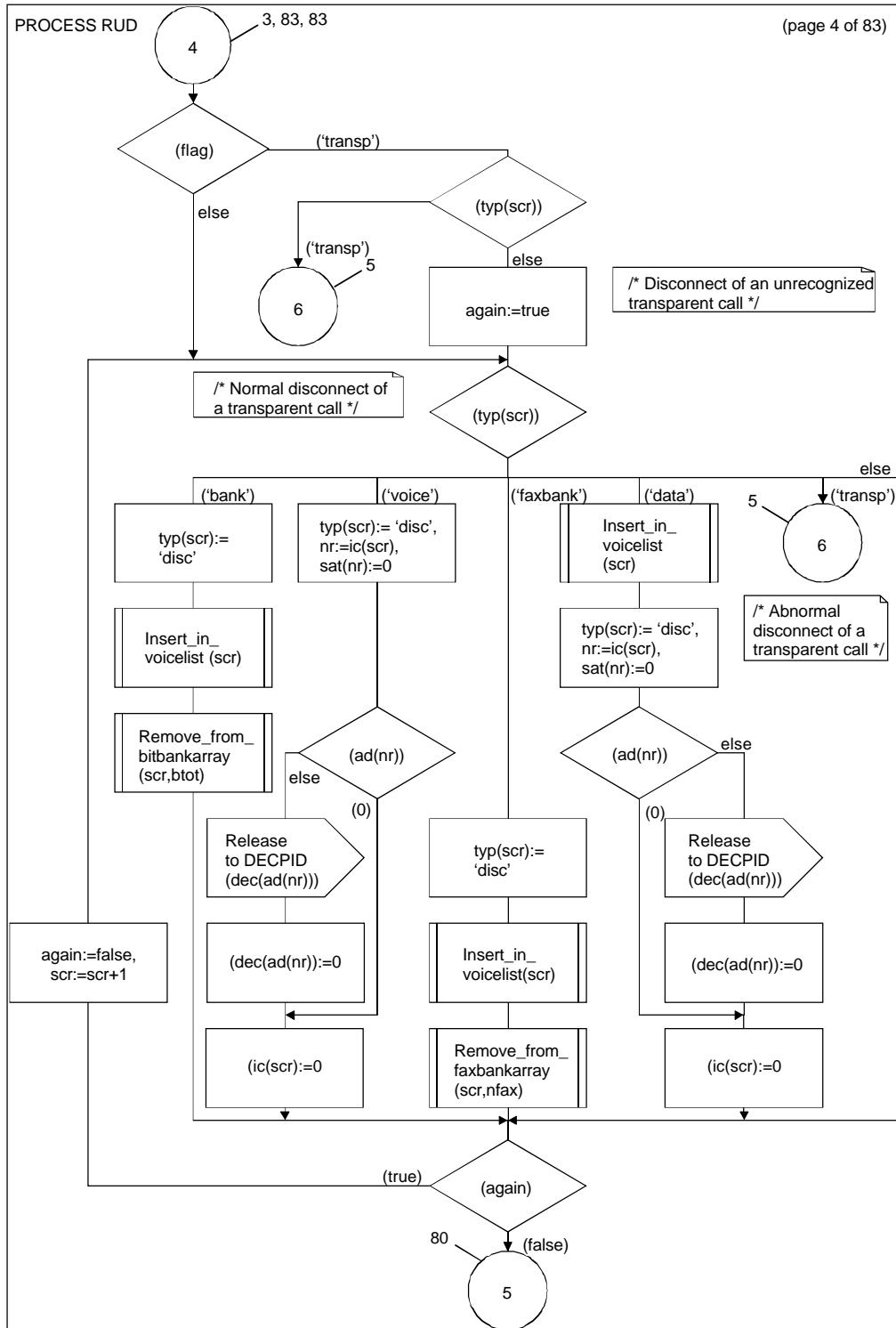
/* Initialization and assignment of
decoders for preassigned connections */

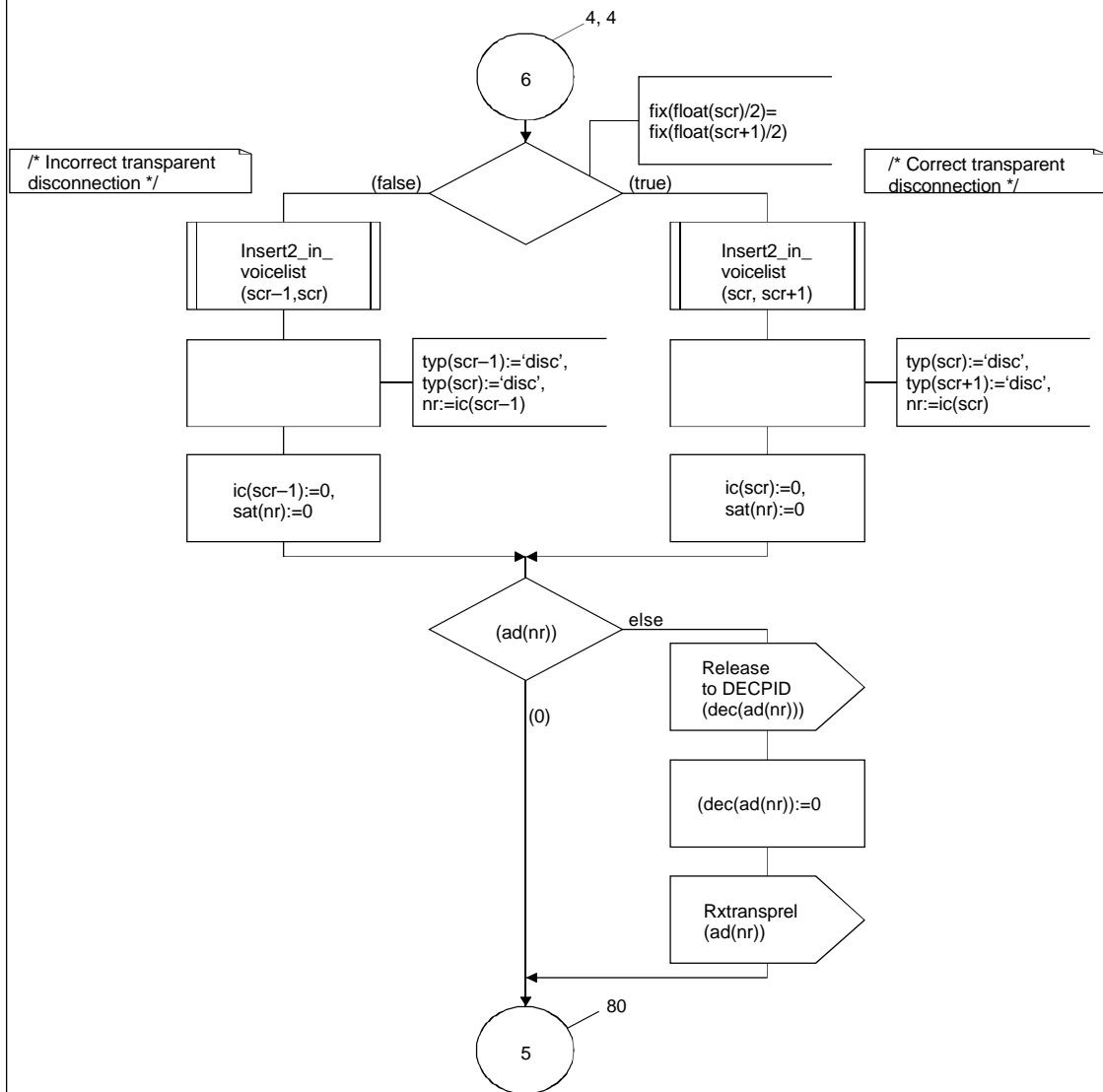


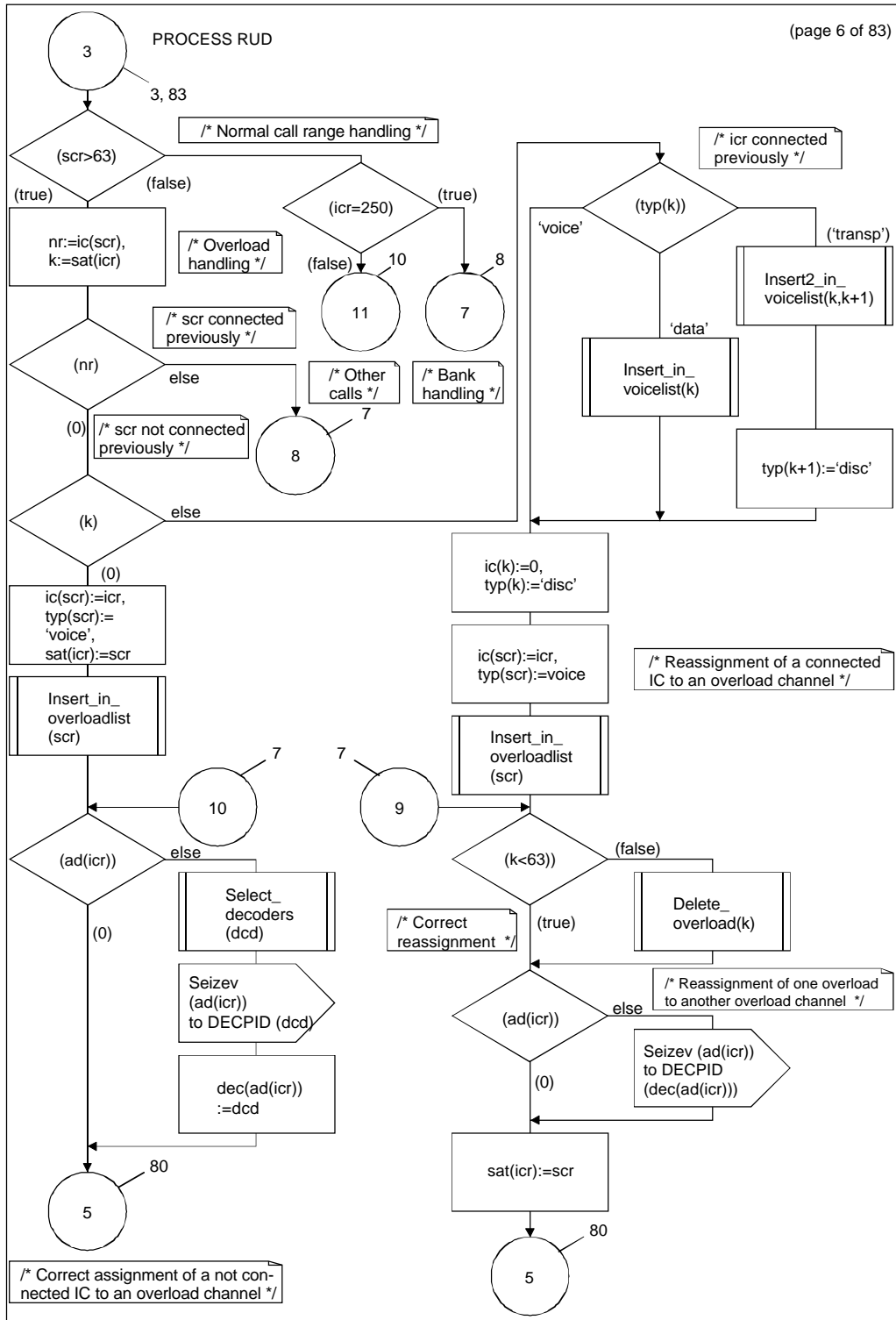
Bit_bank_
_handling

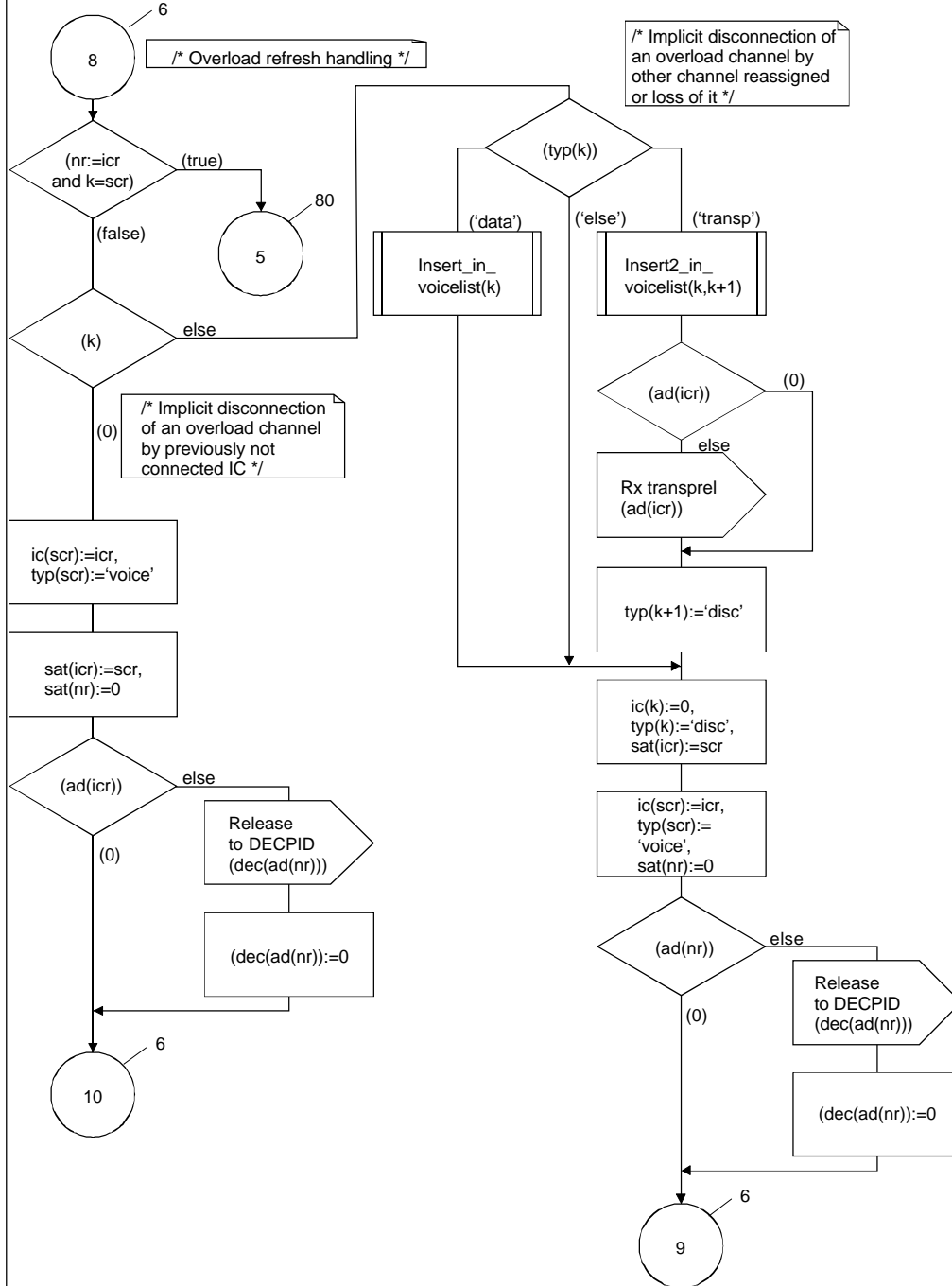


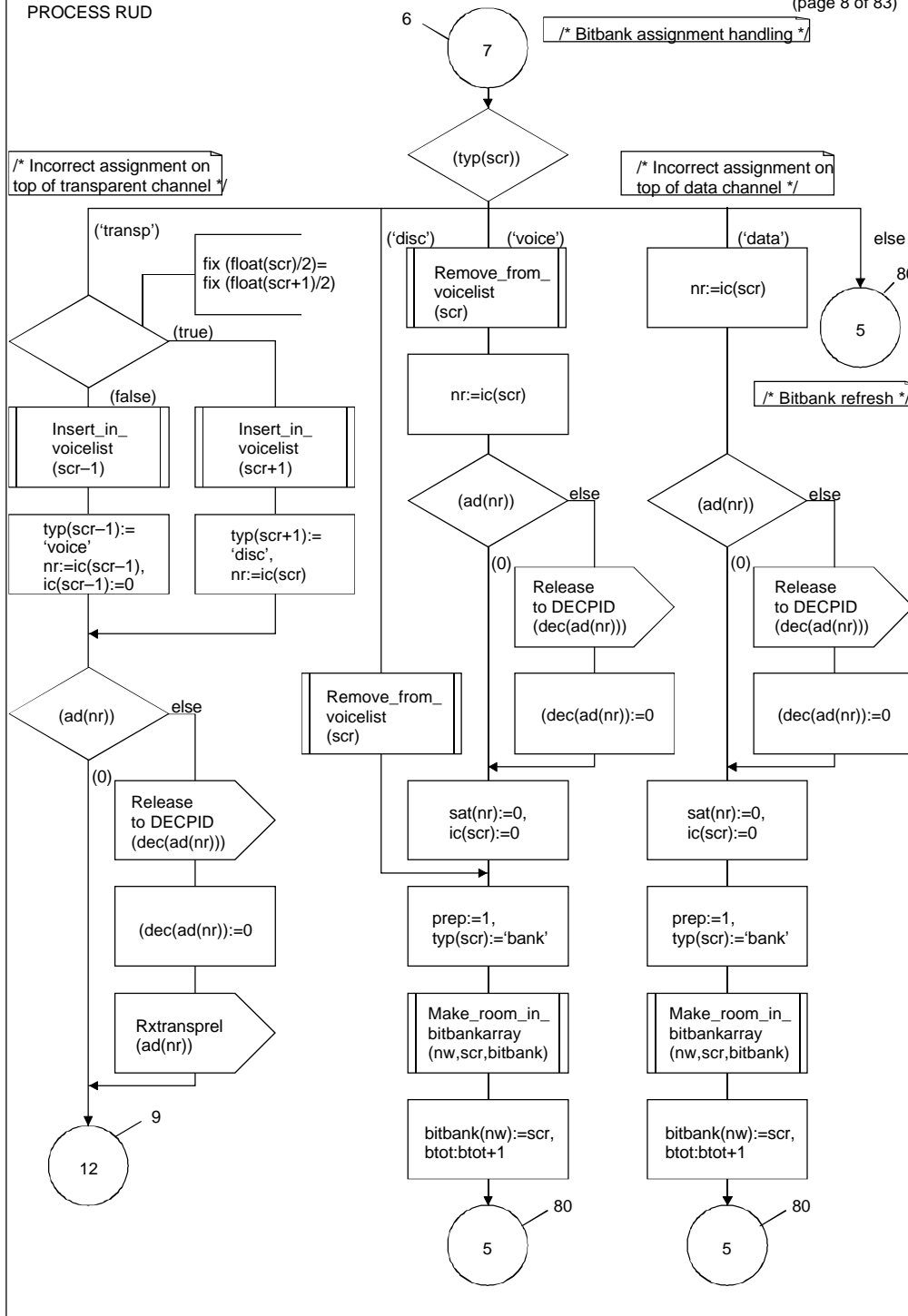




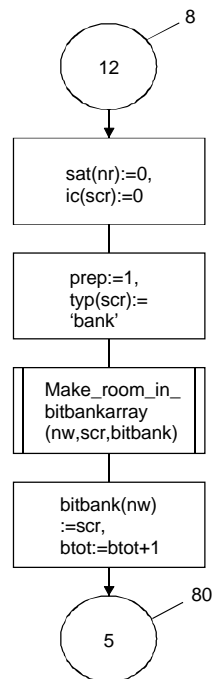


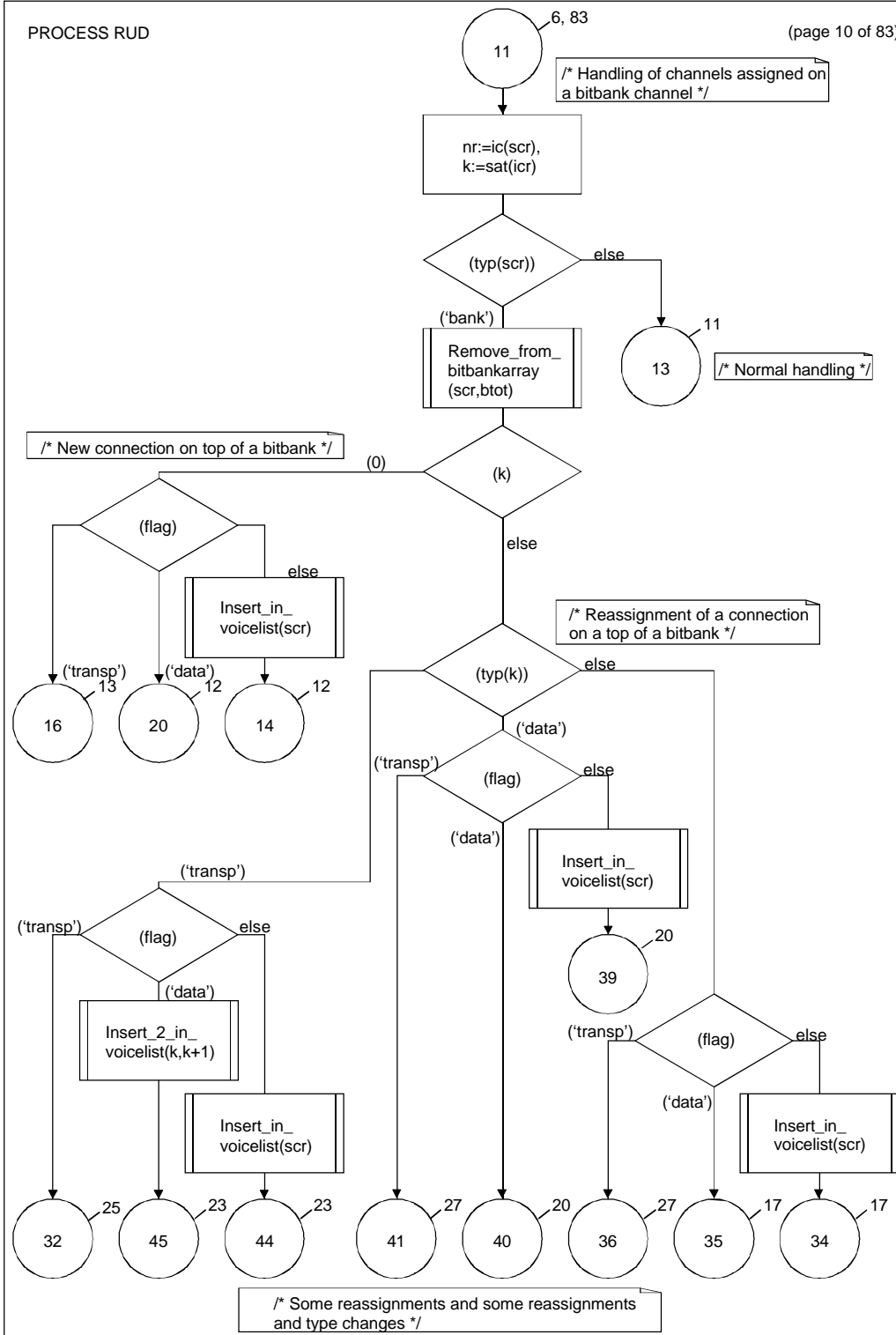


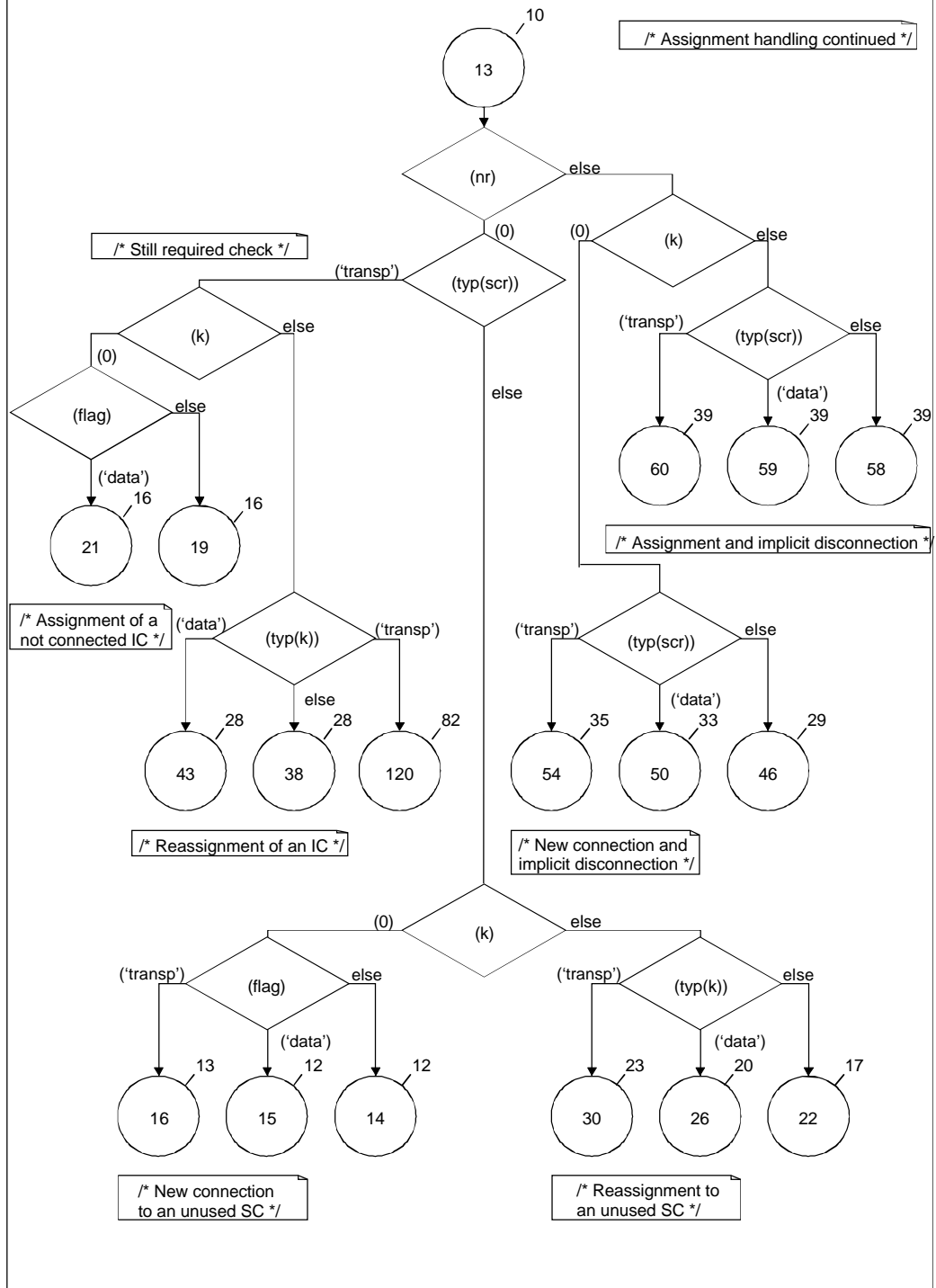


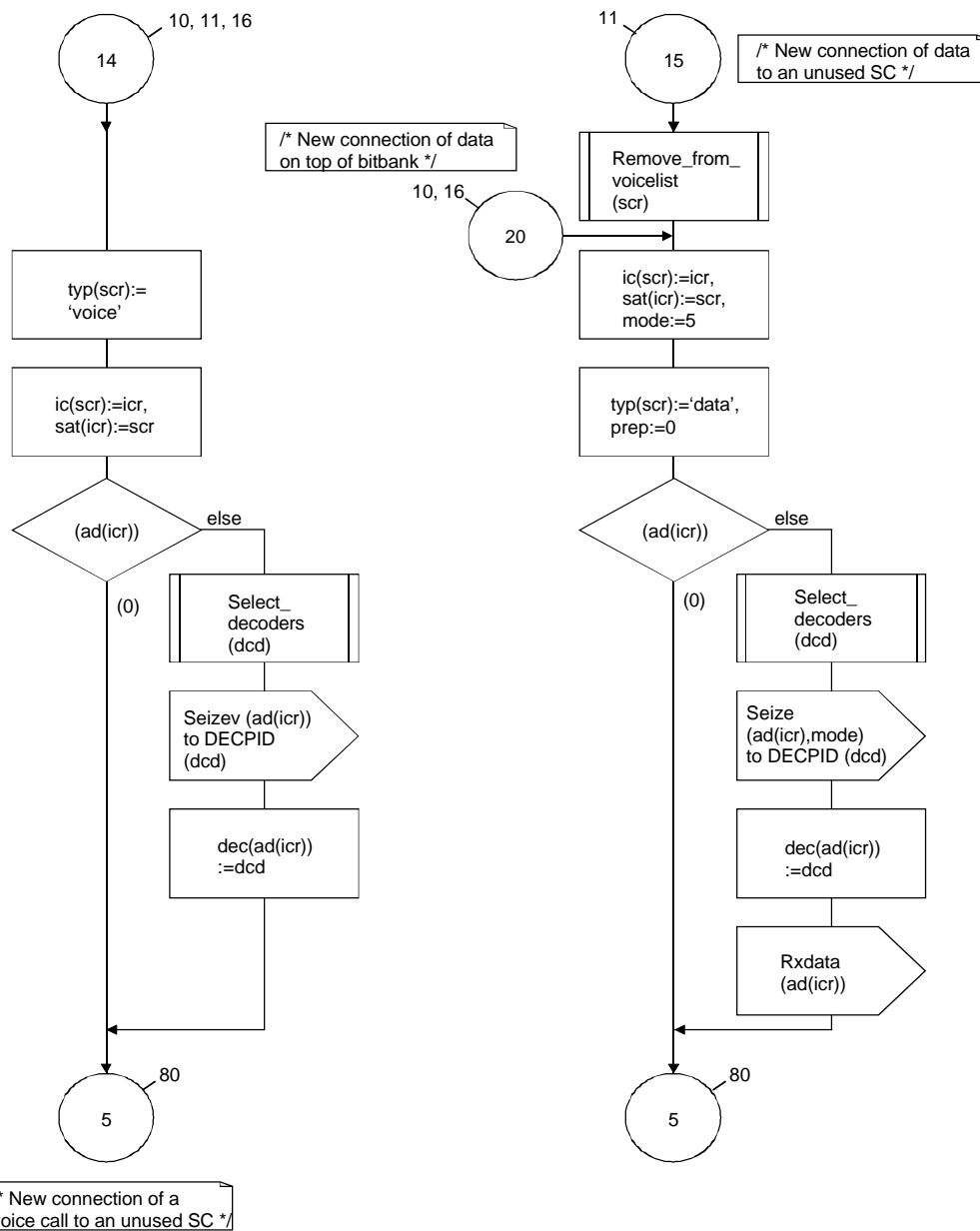


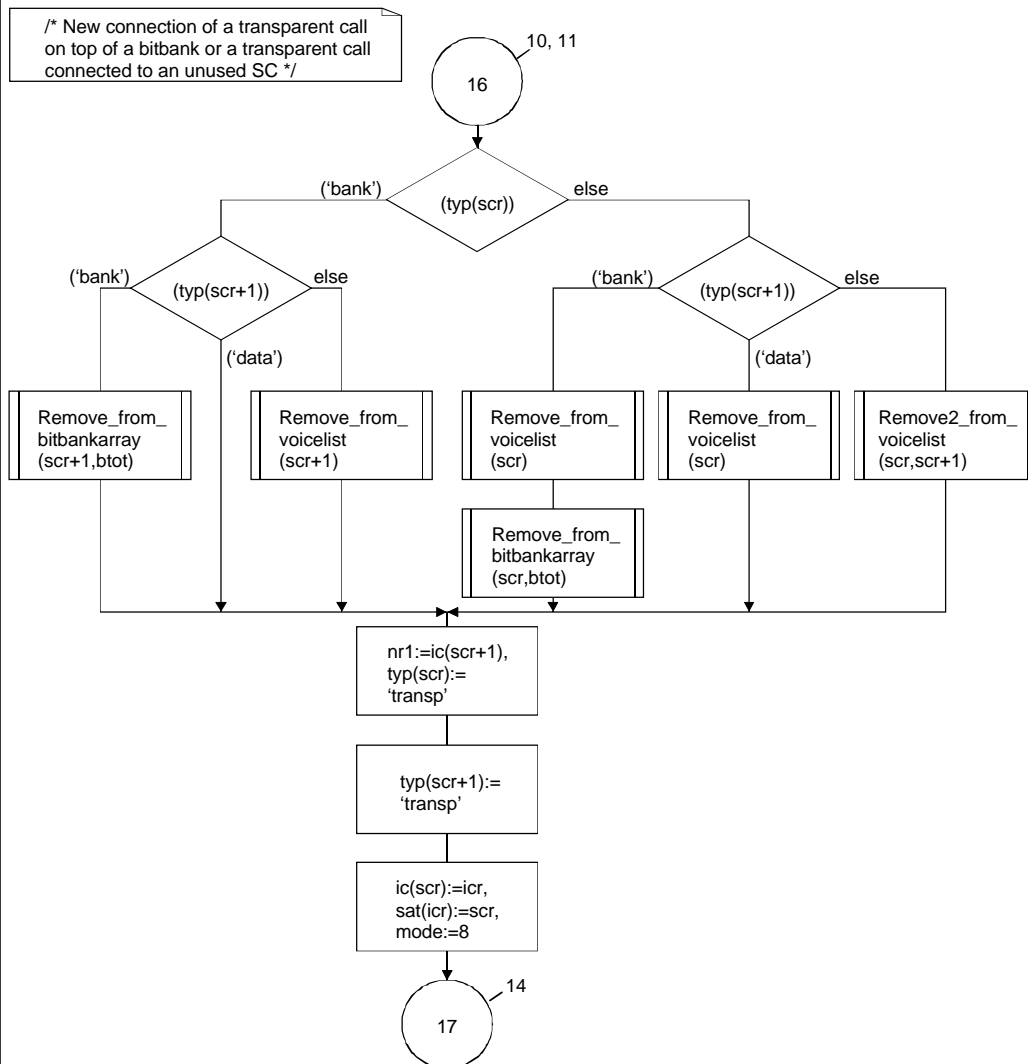
/* Connection of a bitbank when
previous channel was considered
transparent, continuation from
previous page */

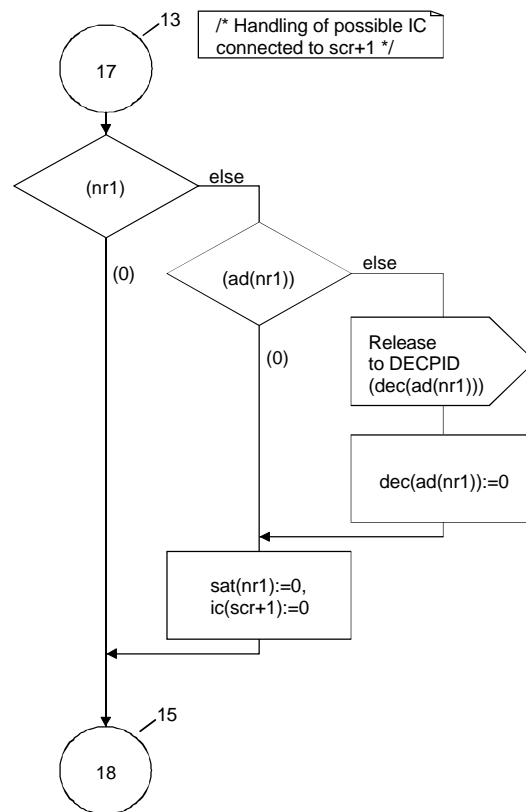


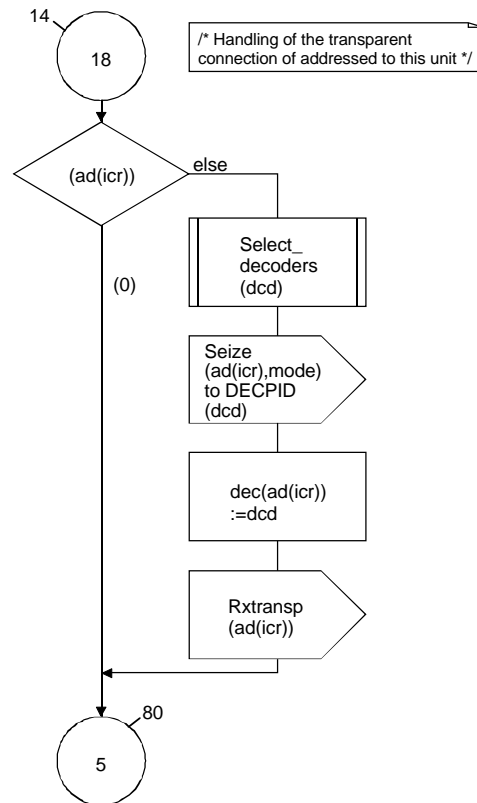


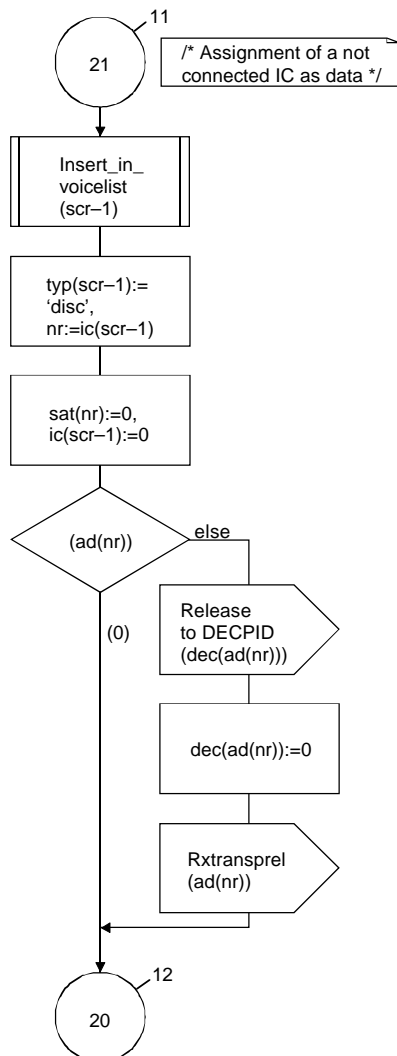




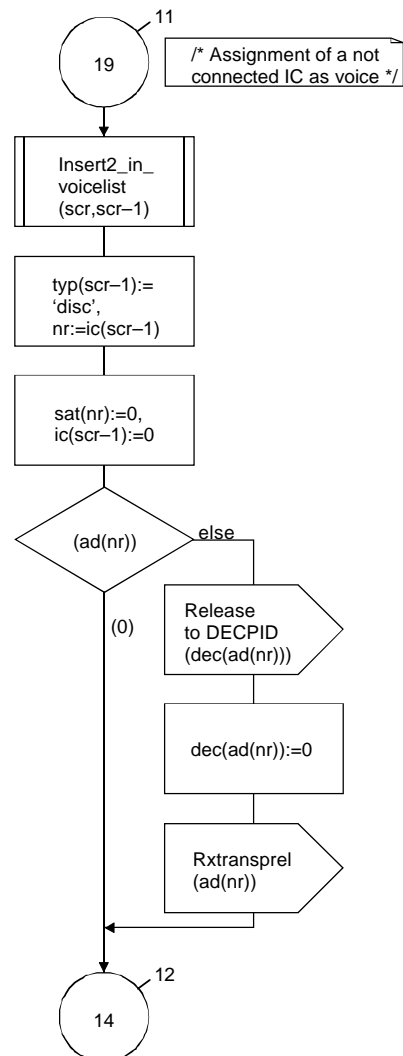




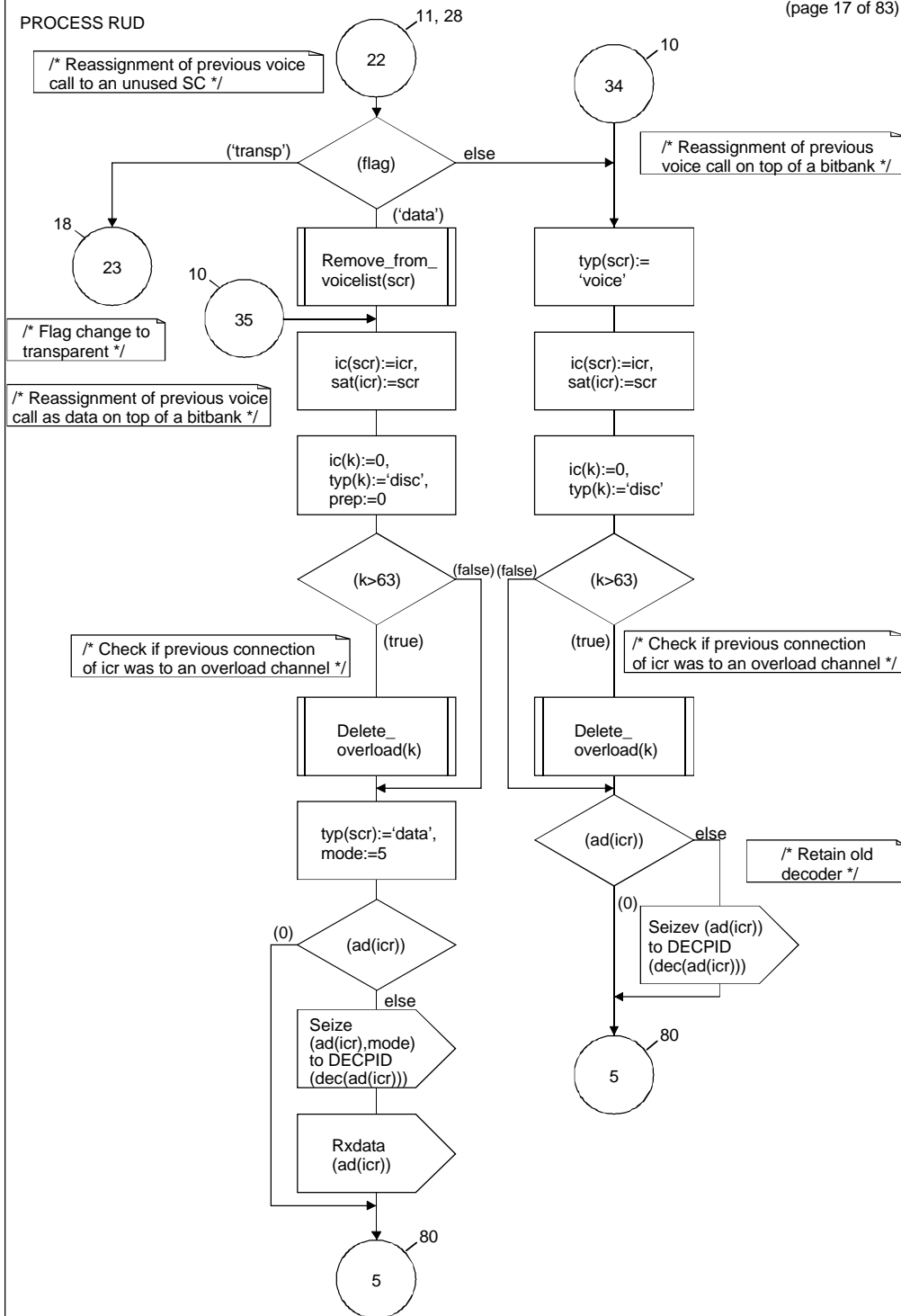


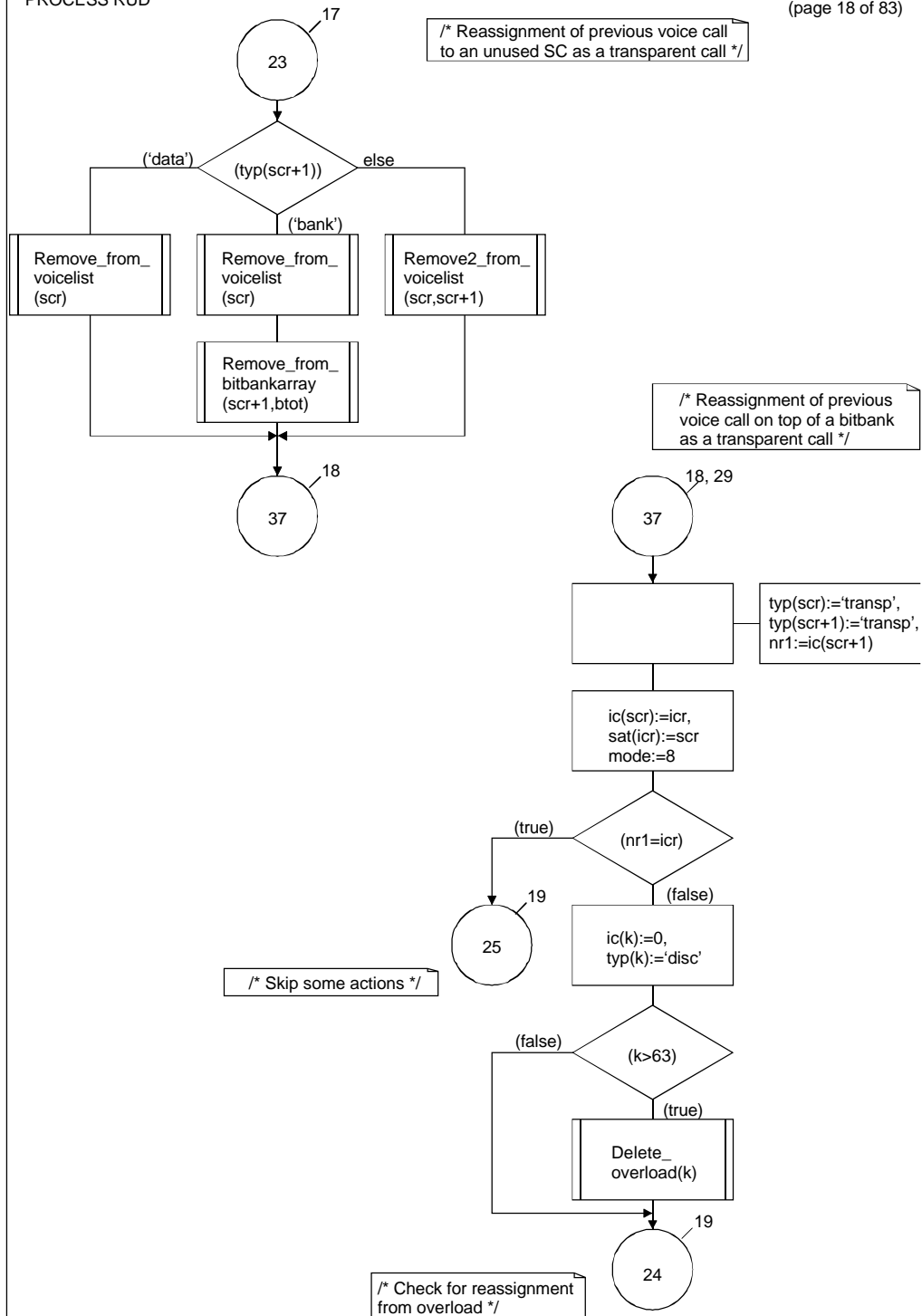


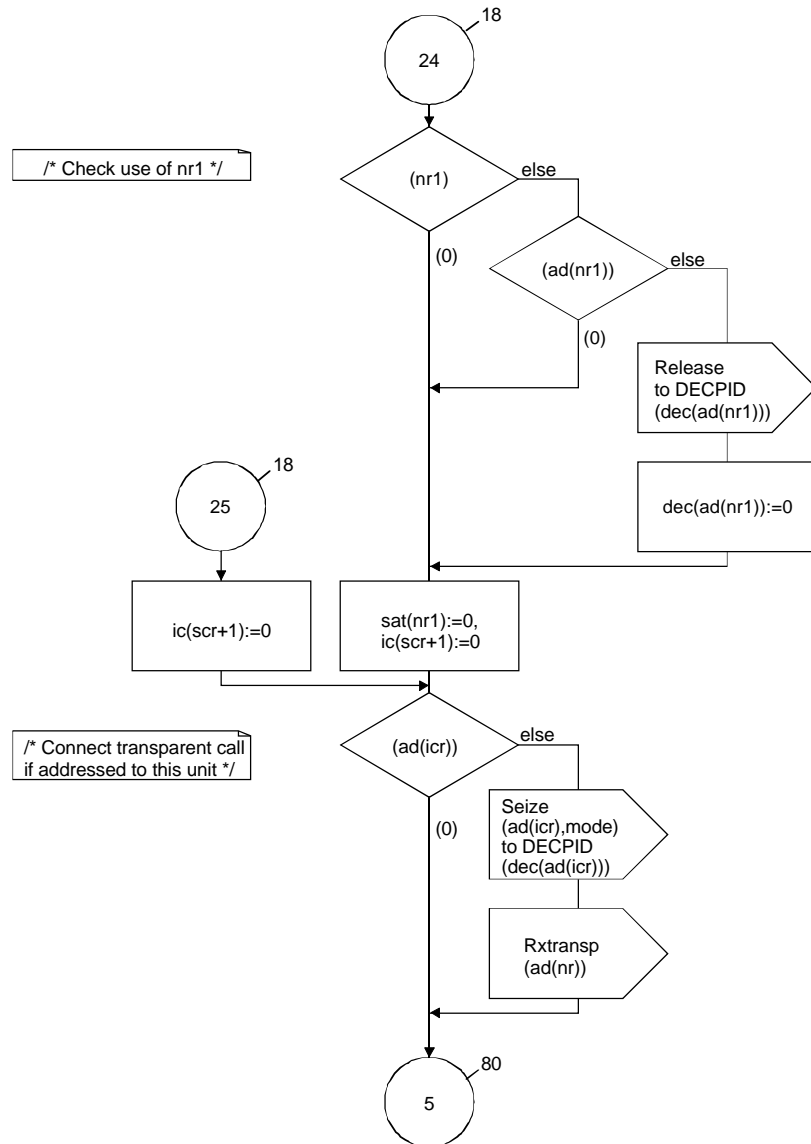
/* Same treatment as new connection of a data on top of a bitbank */

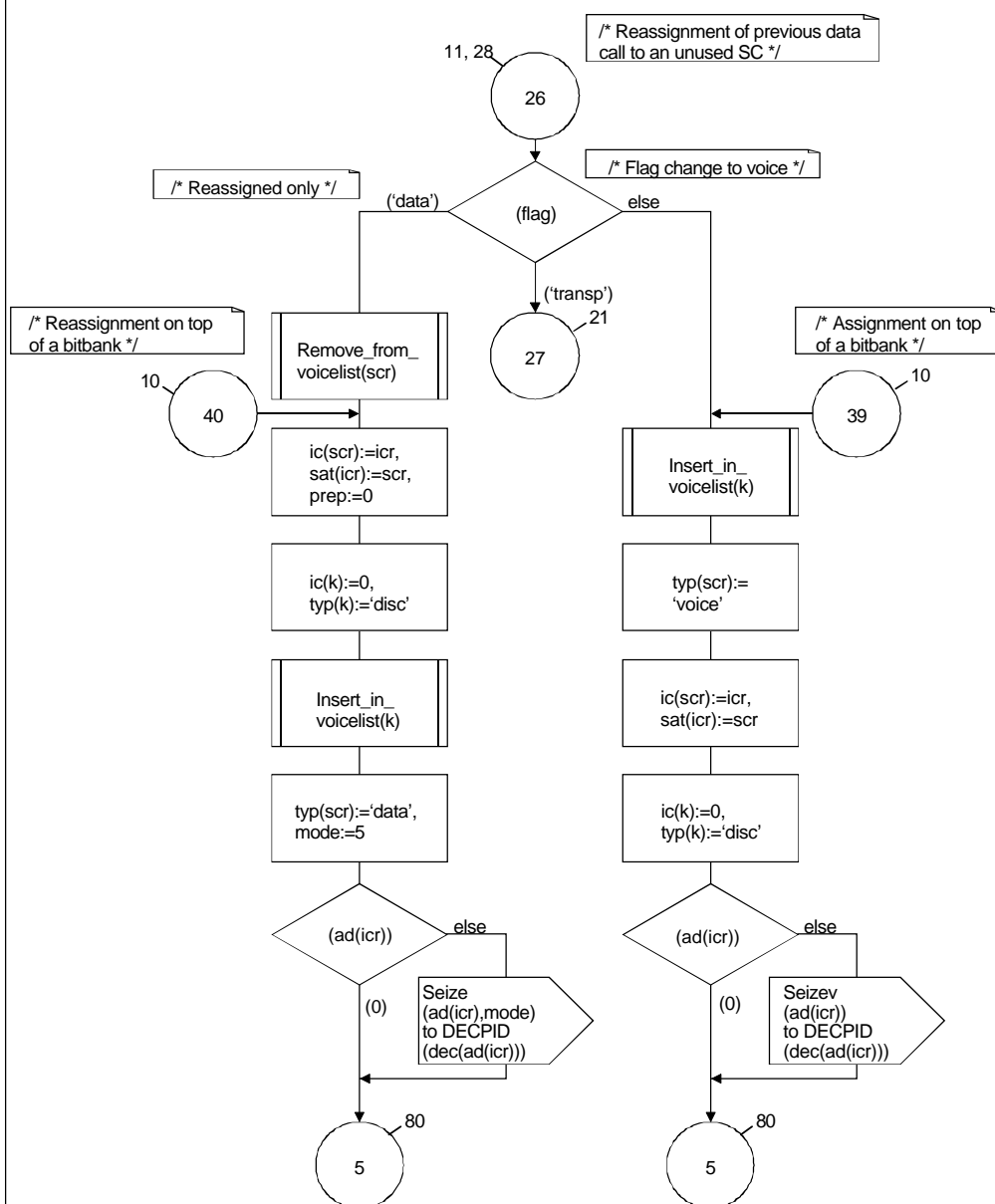


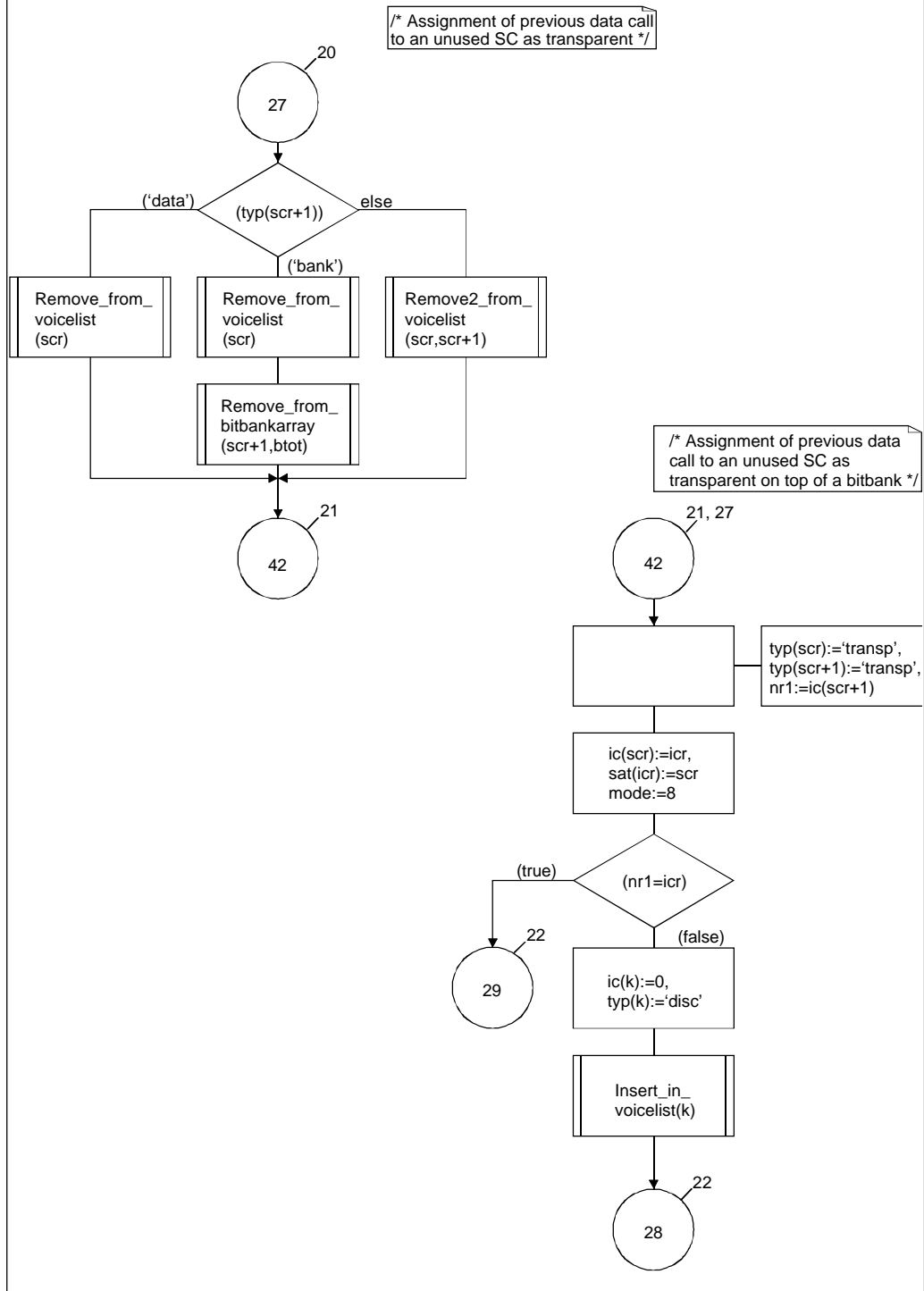
/* Same treatment as new connection of a voice to an unused SC */

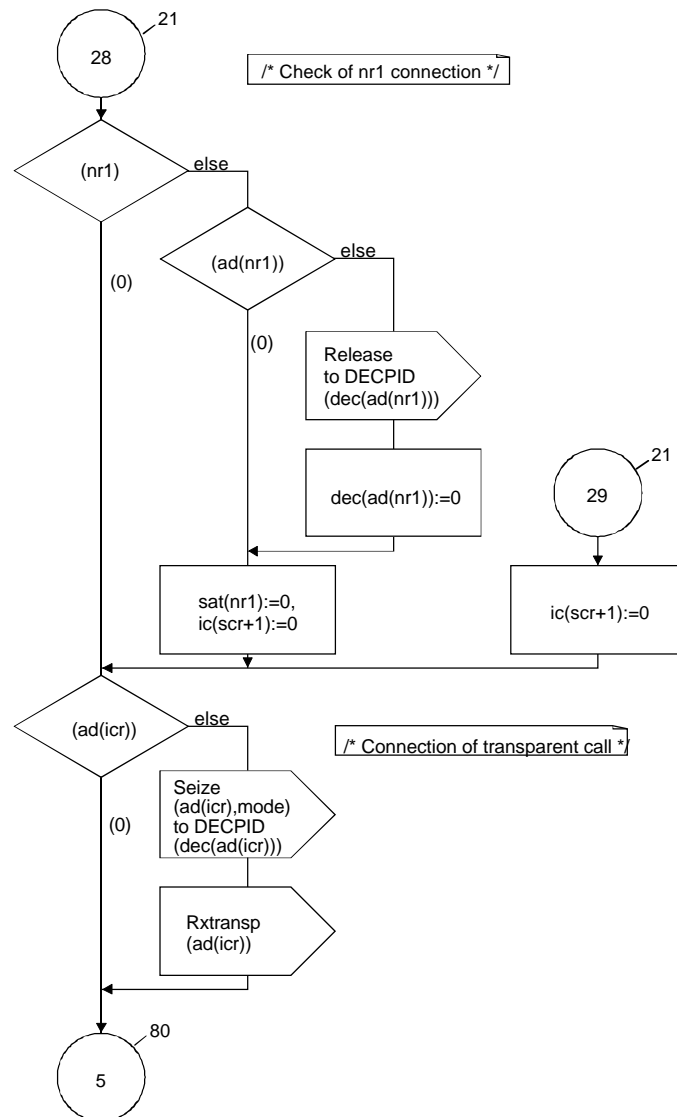


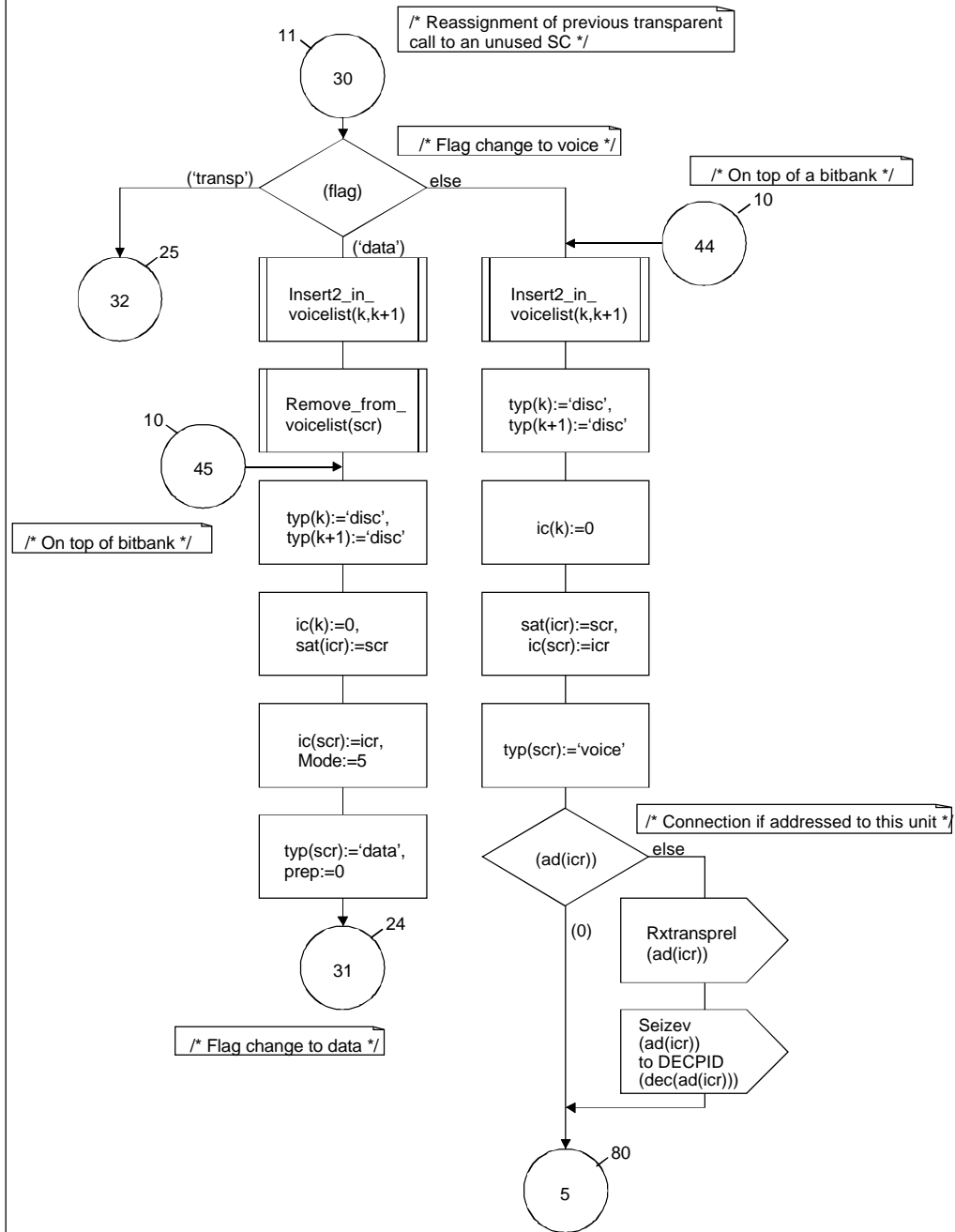


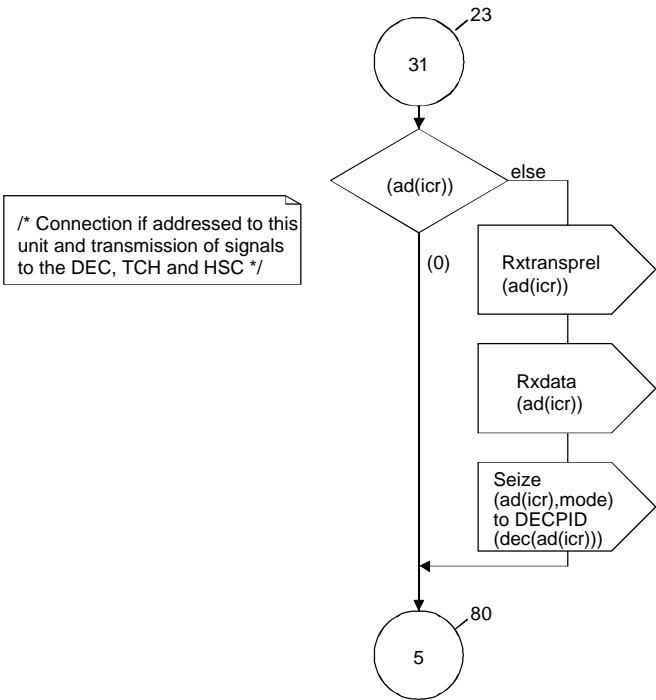


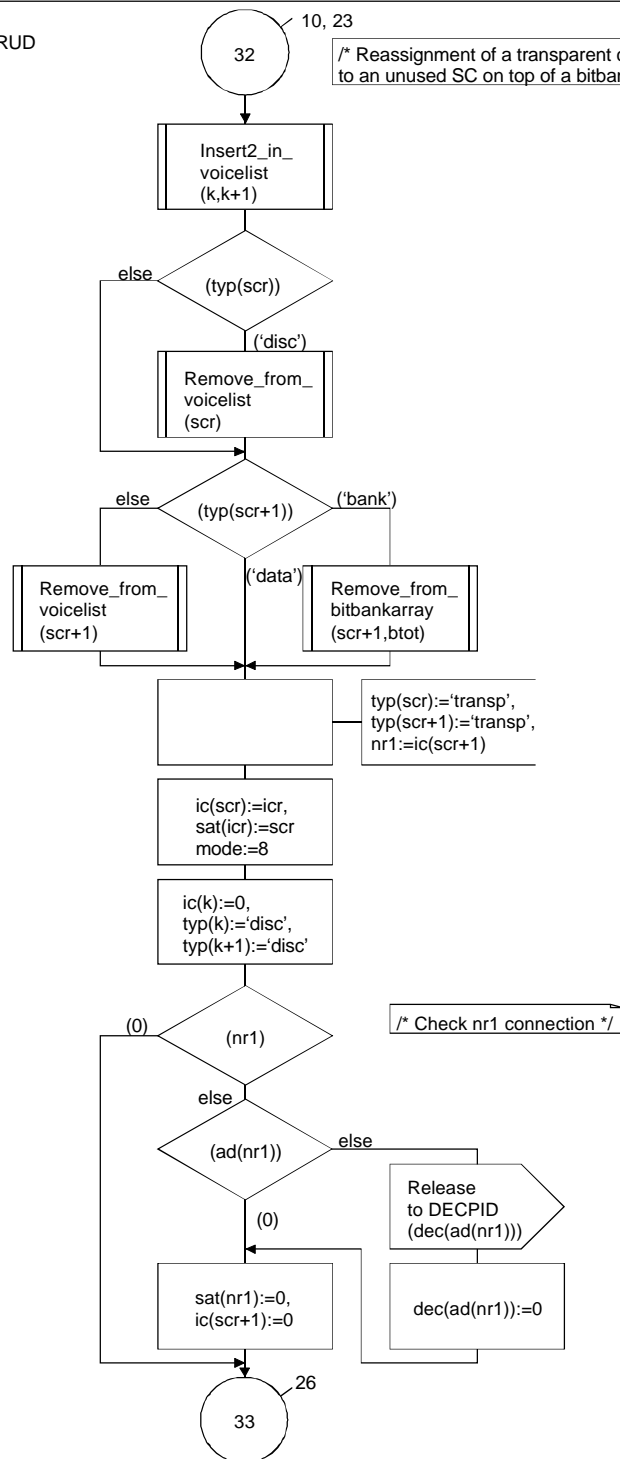


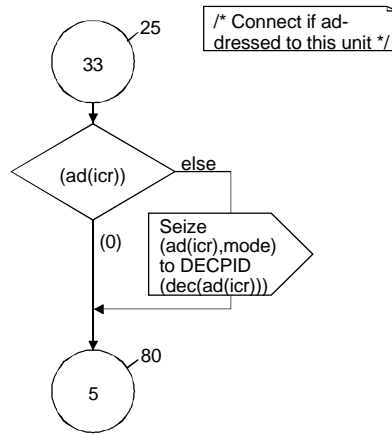


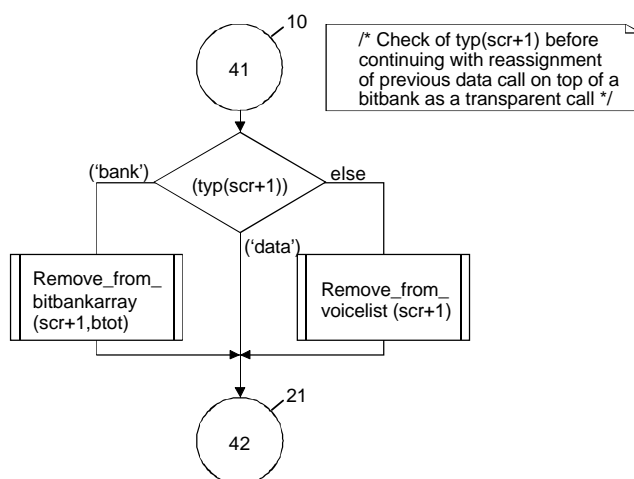


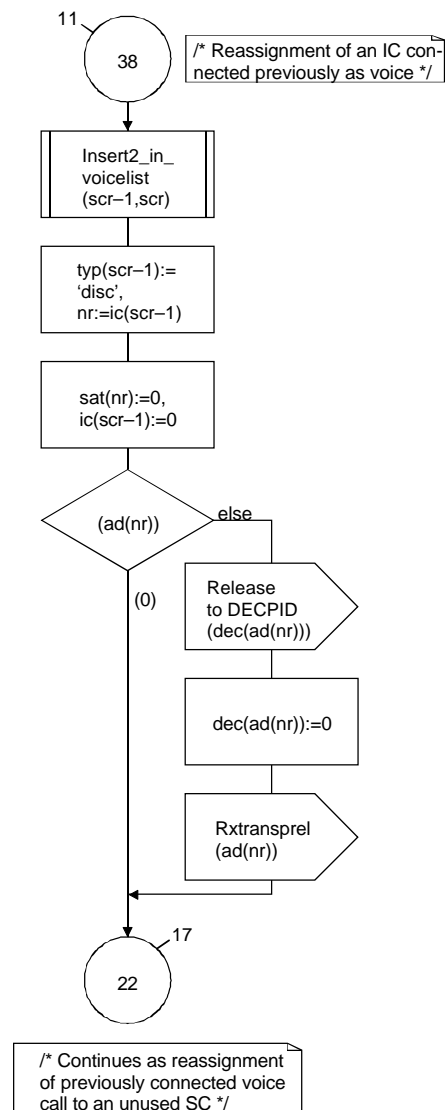
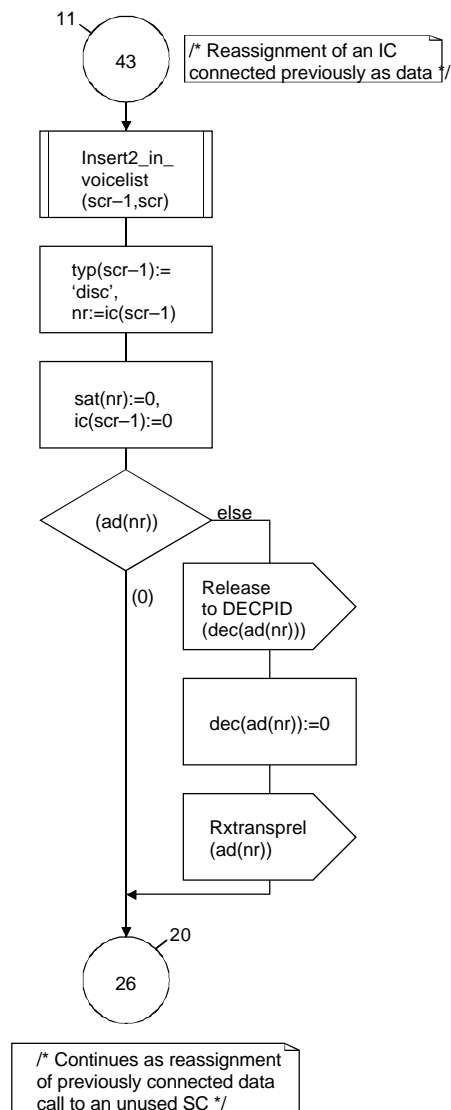


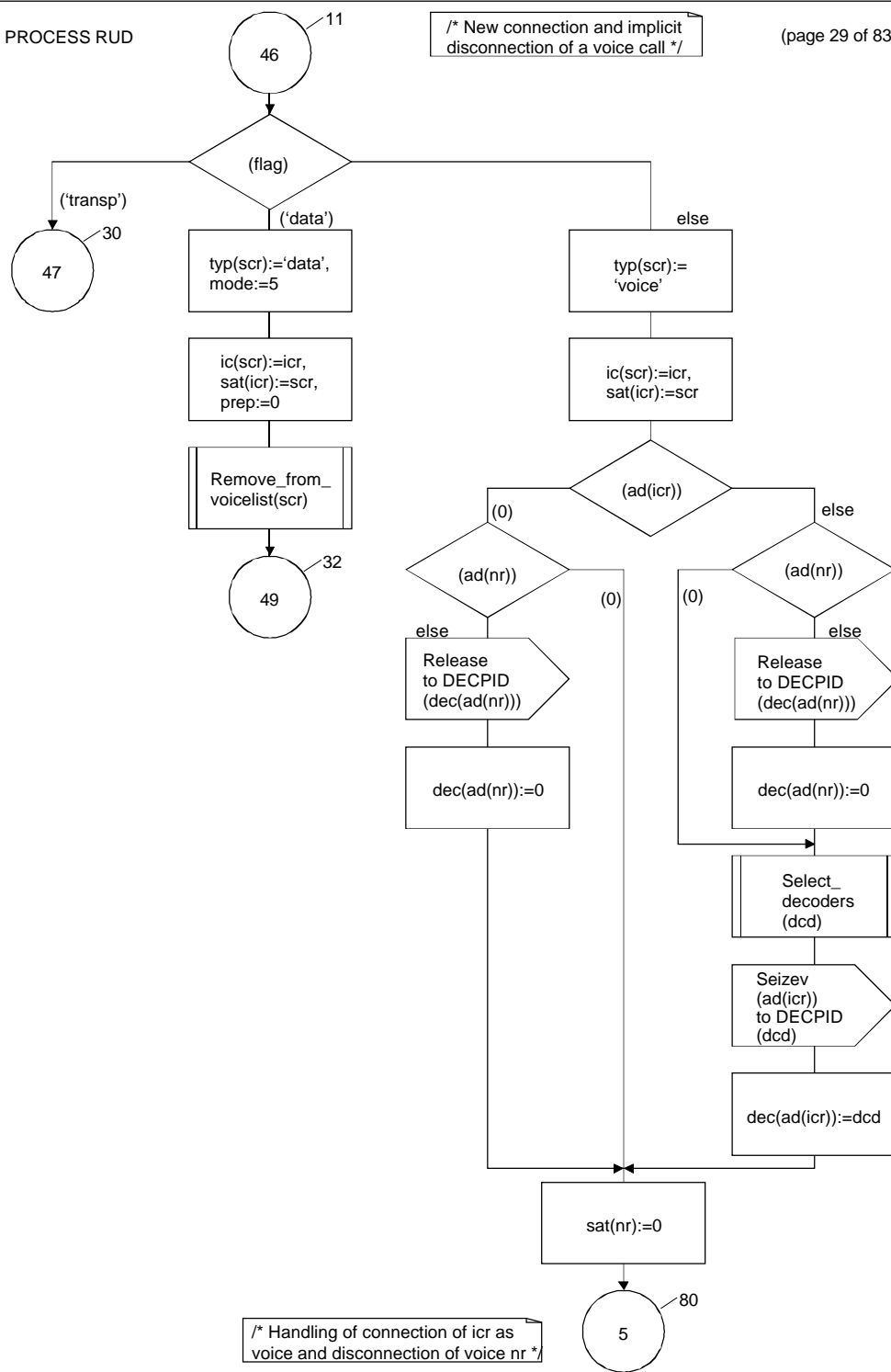


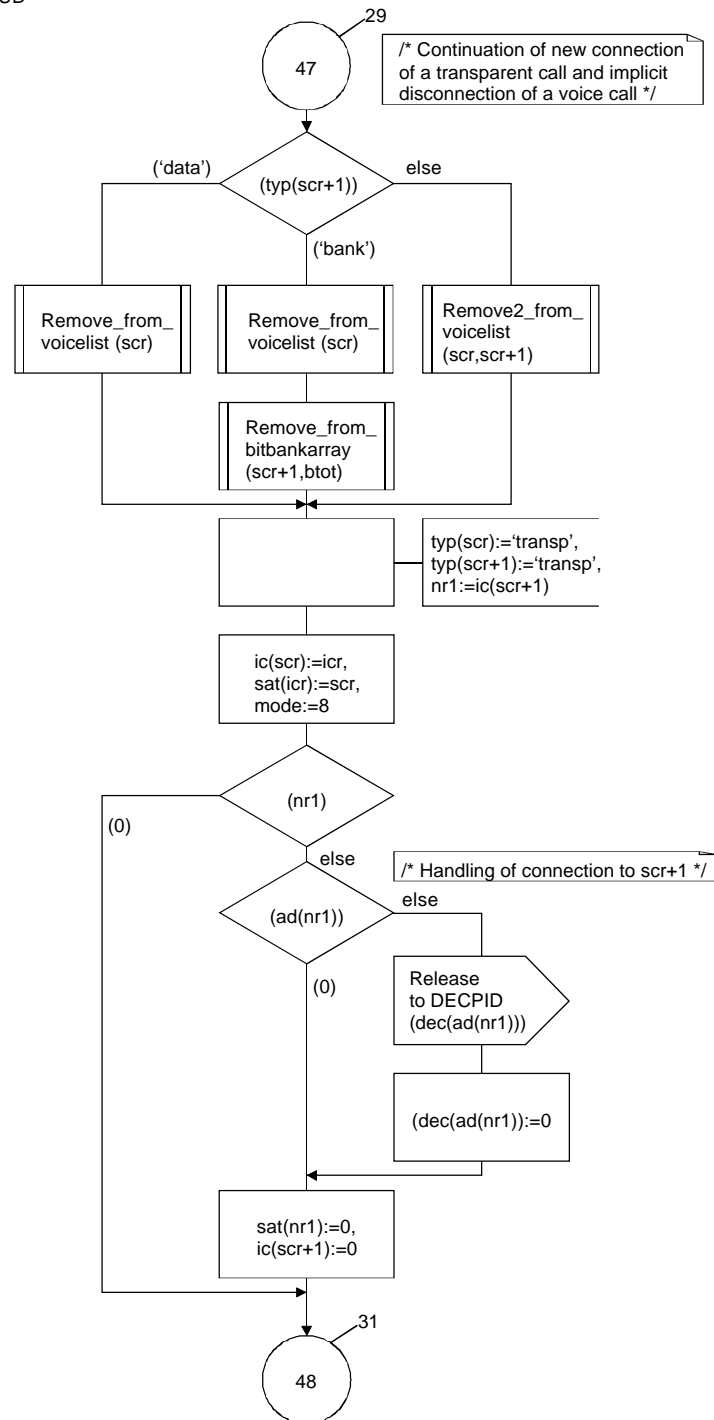


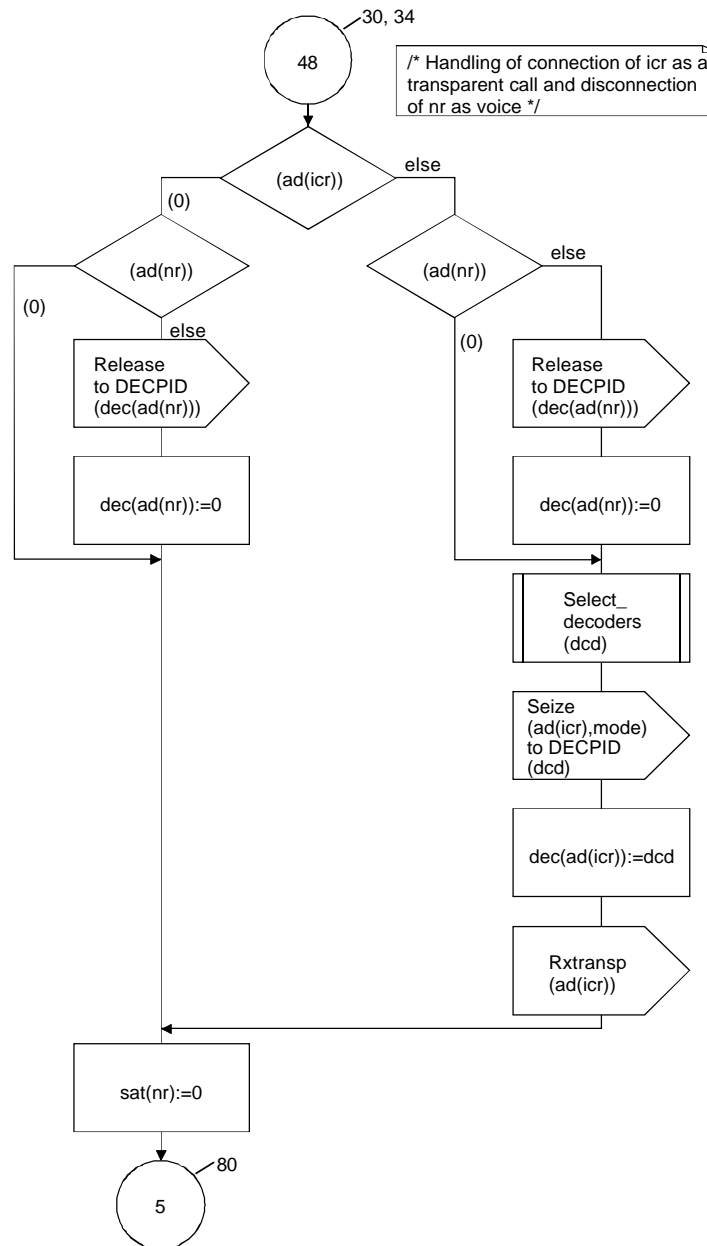


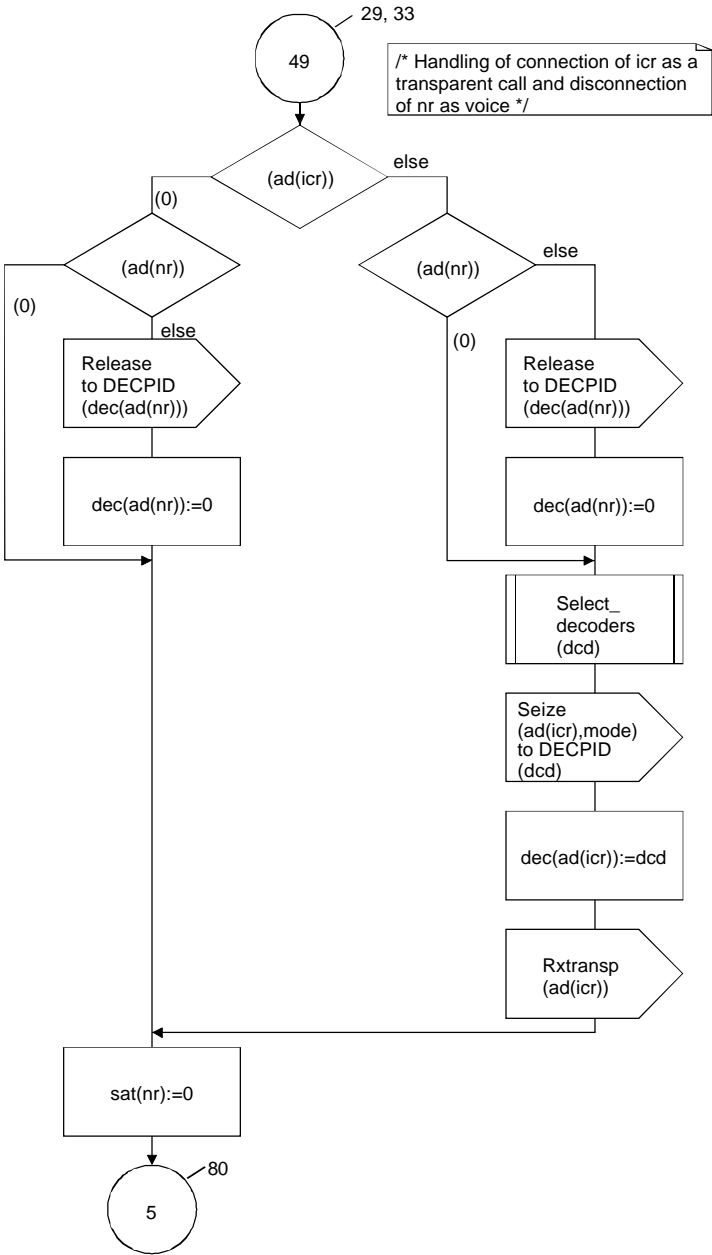


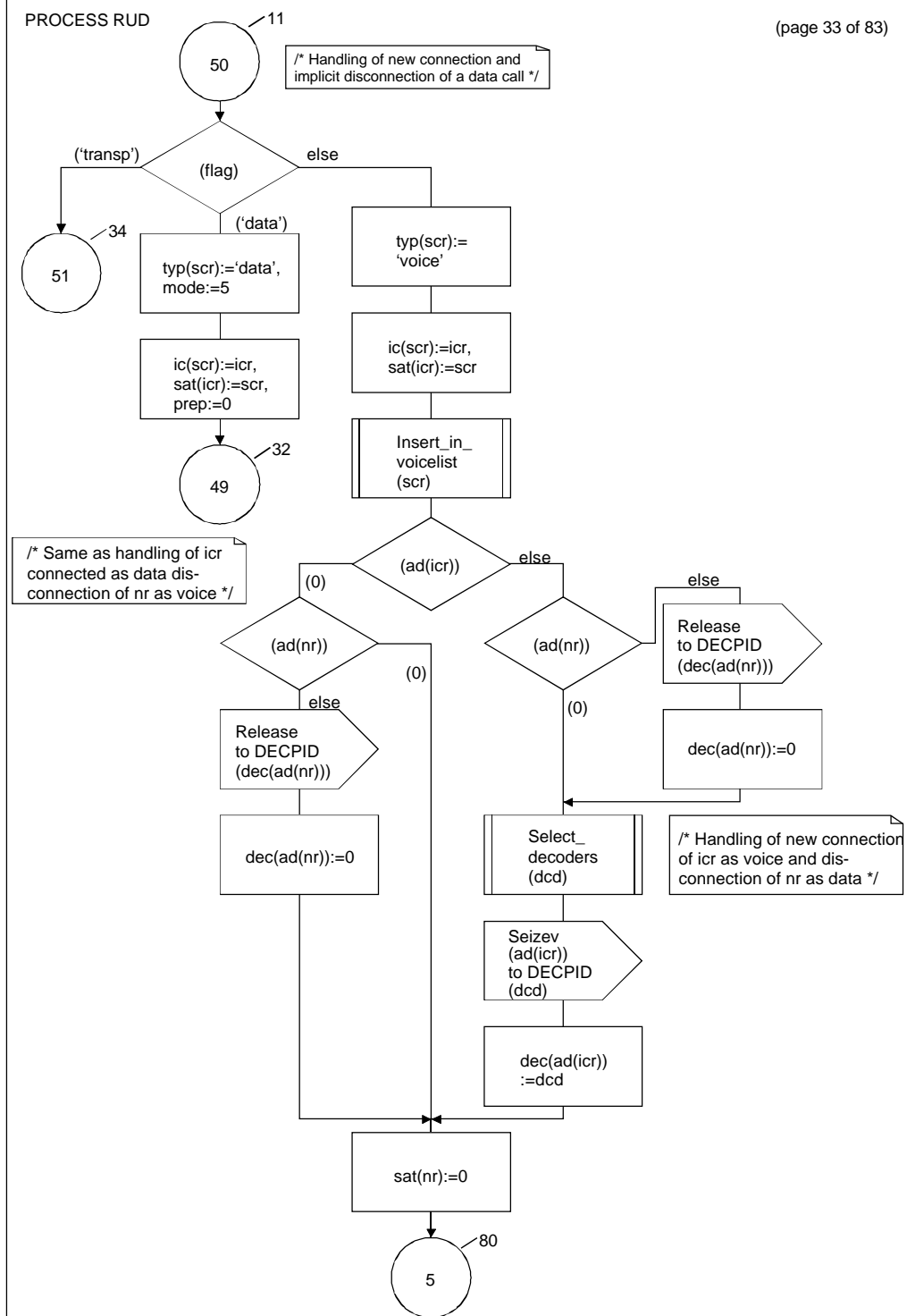


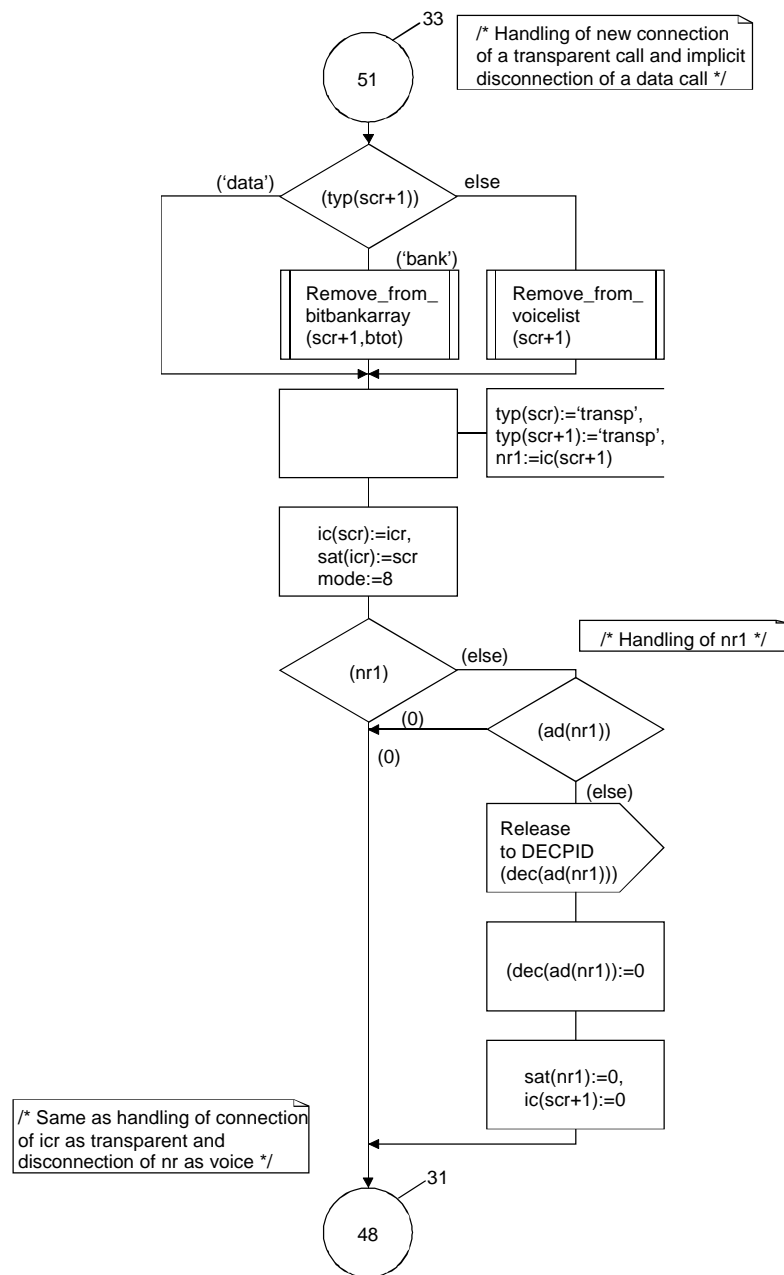


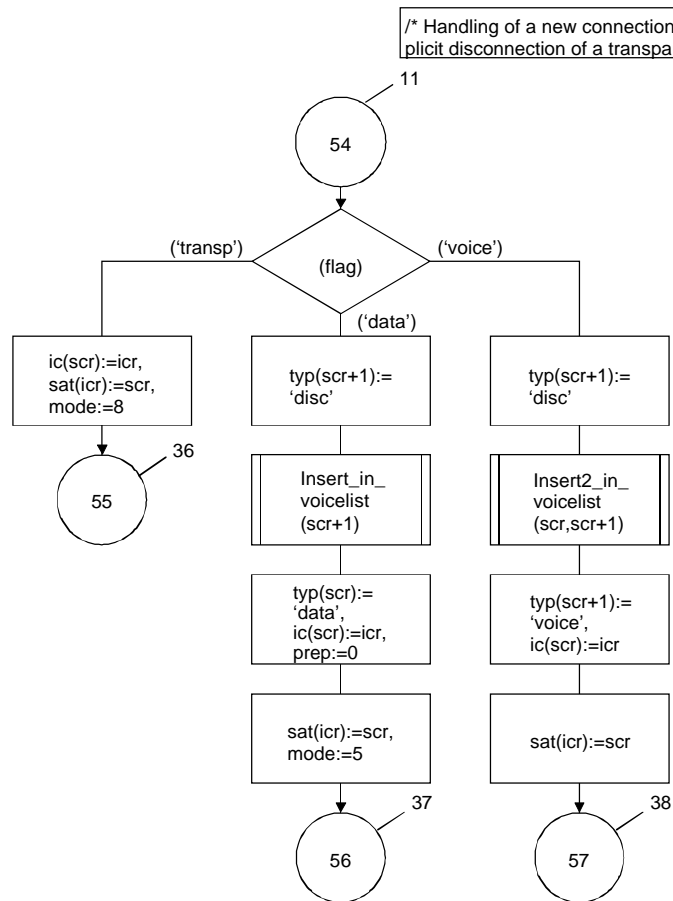


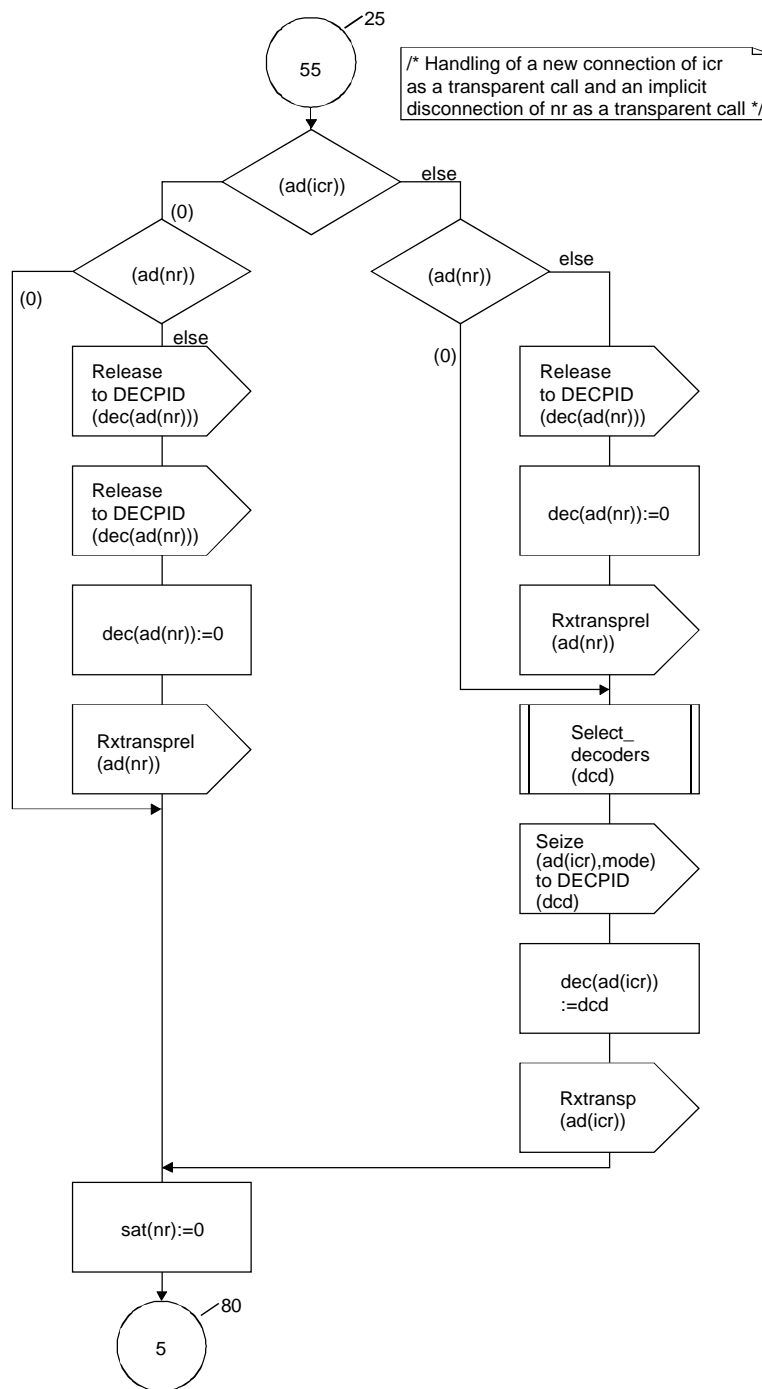


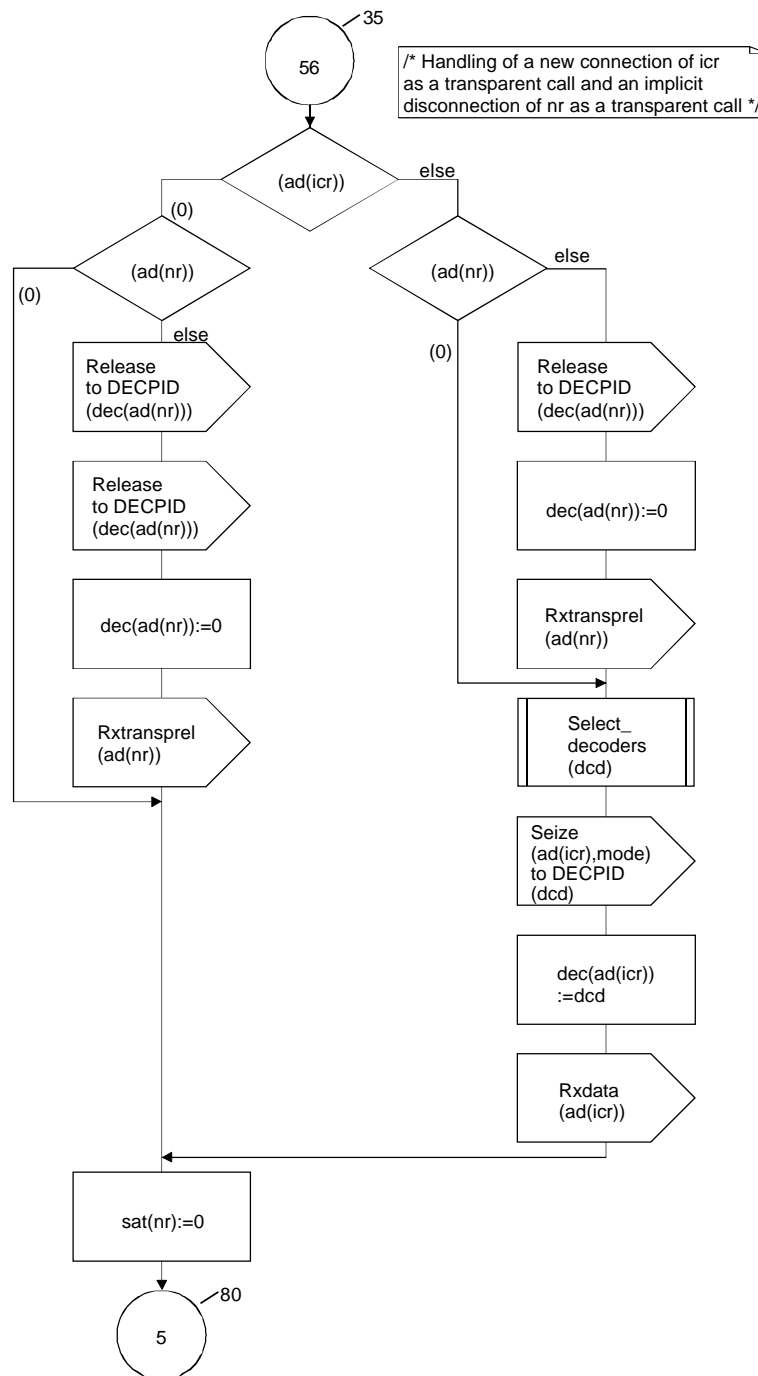


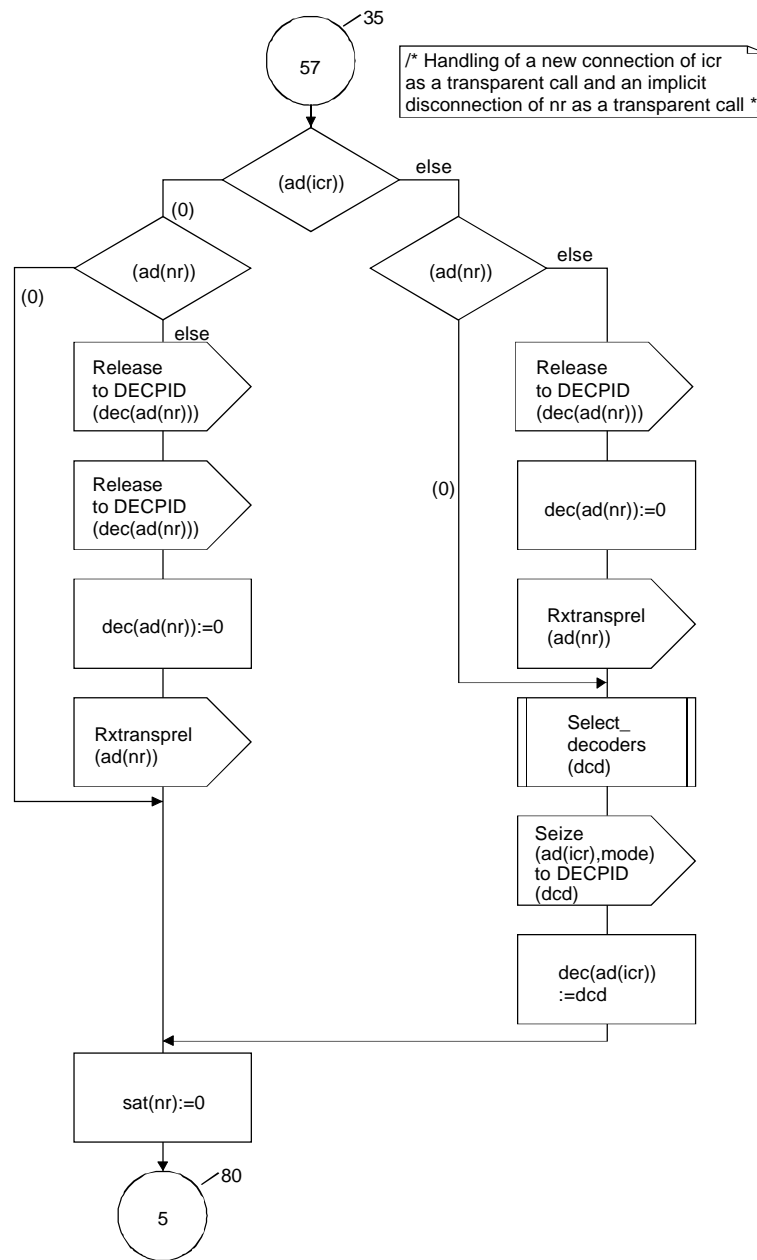


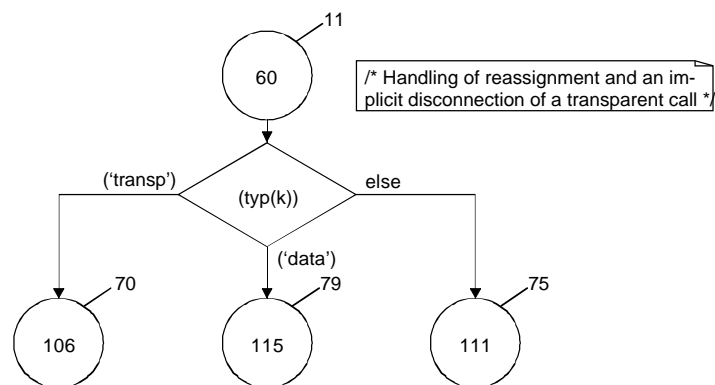
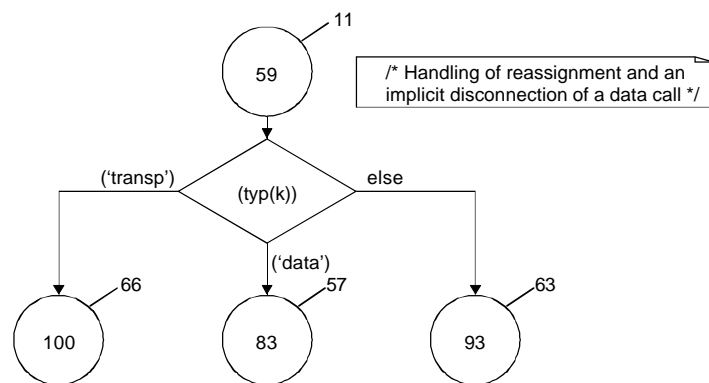
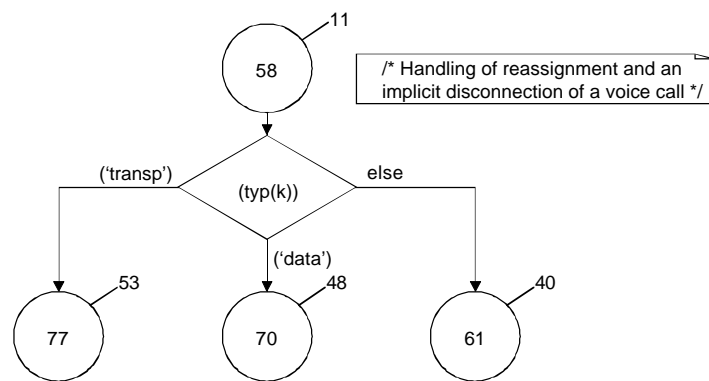


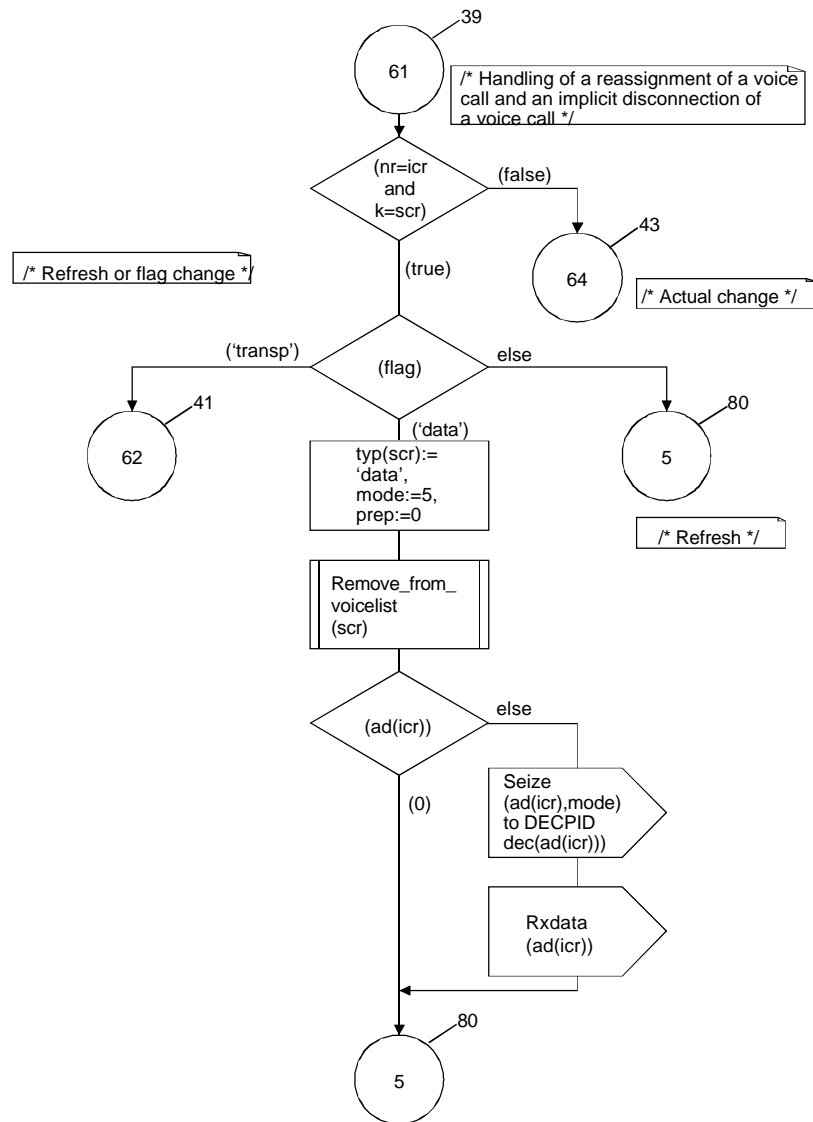


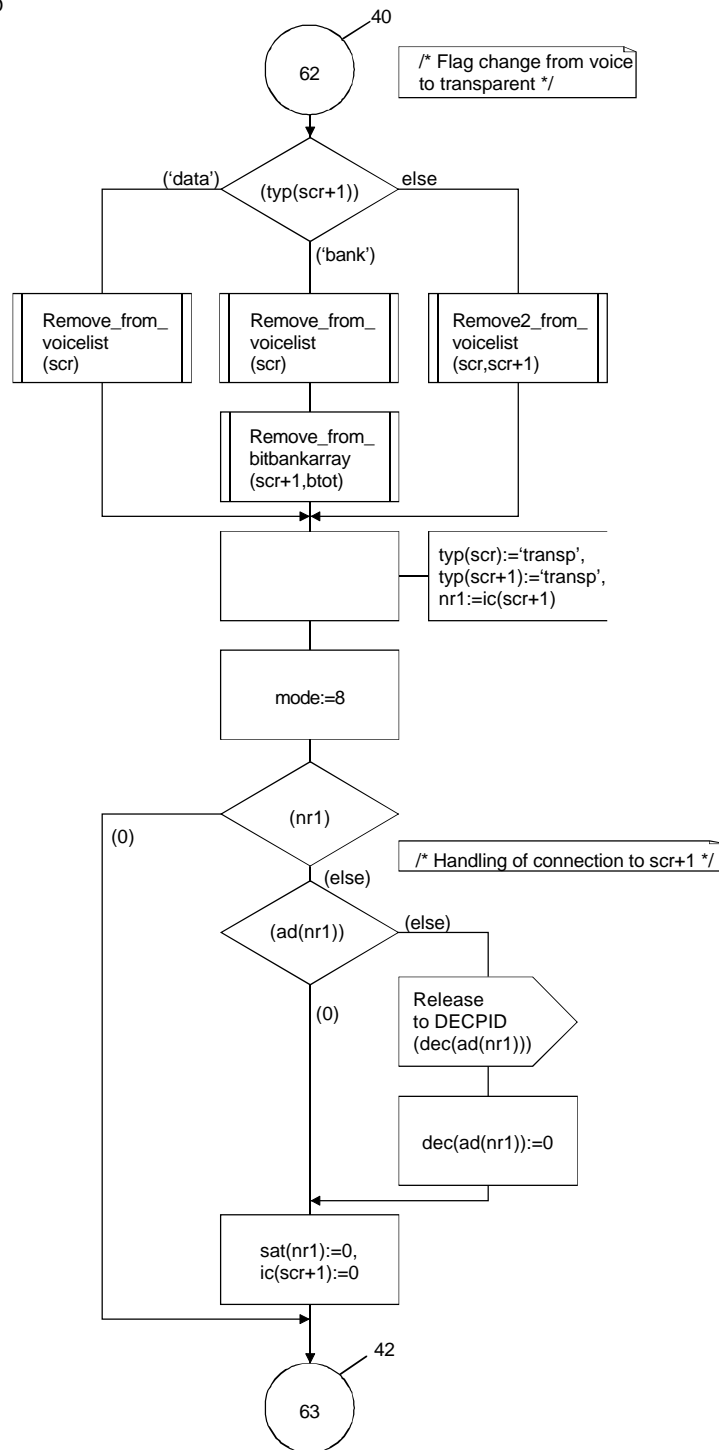


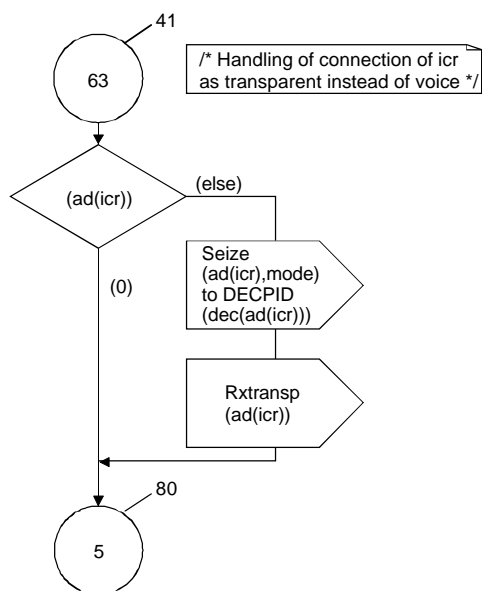


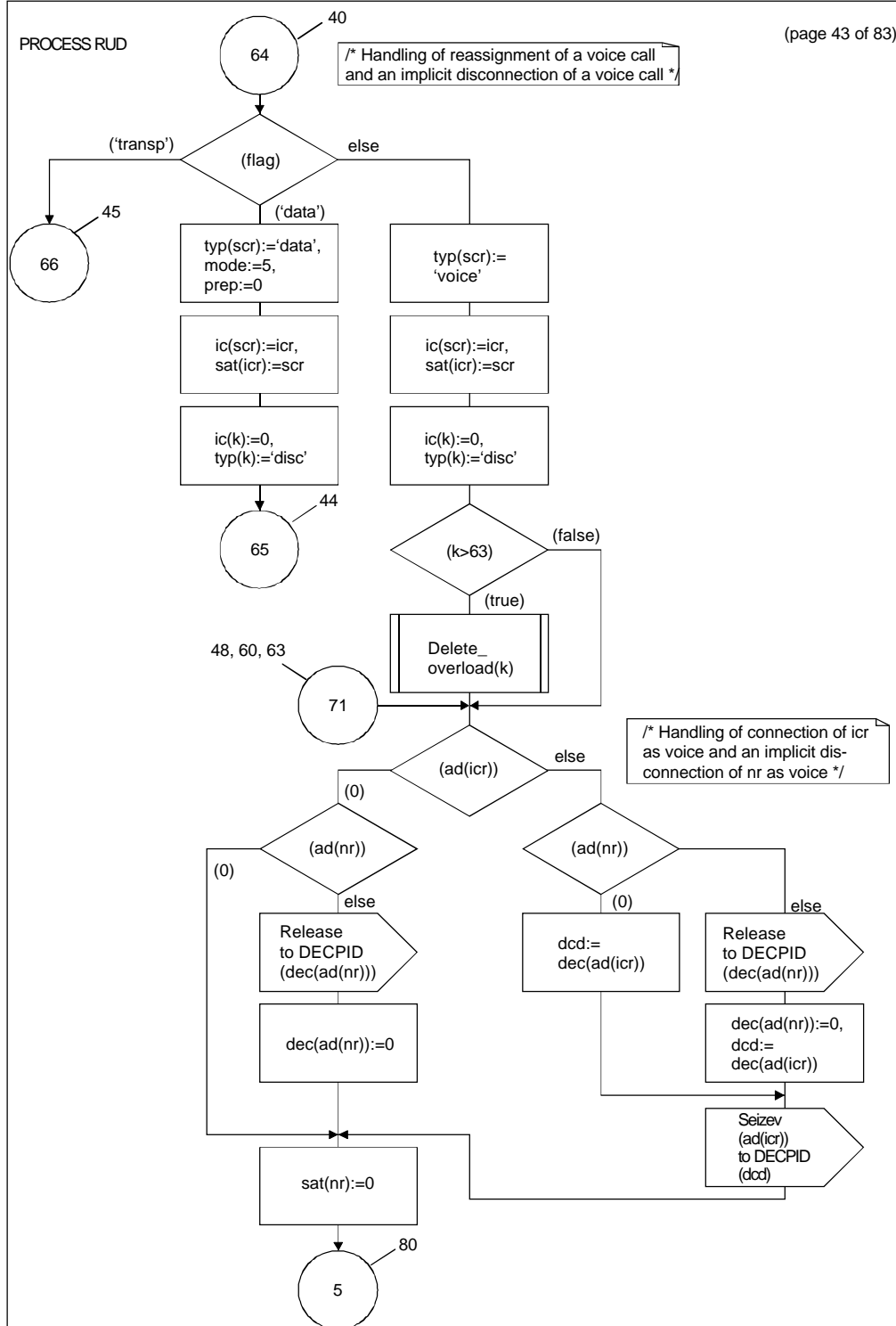


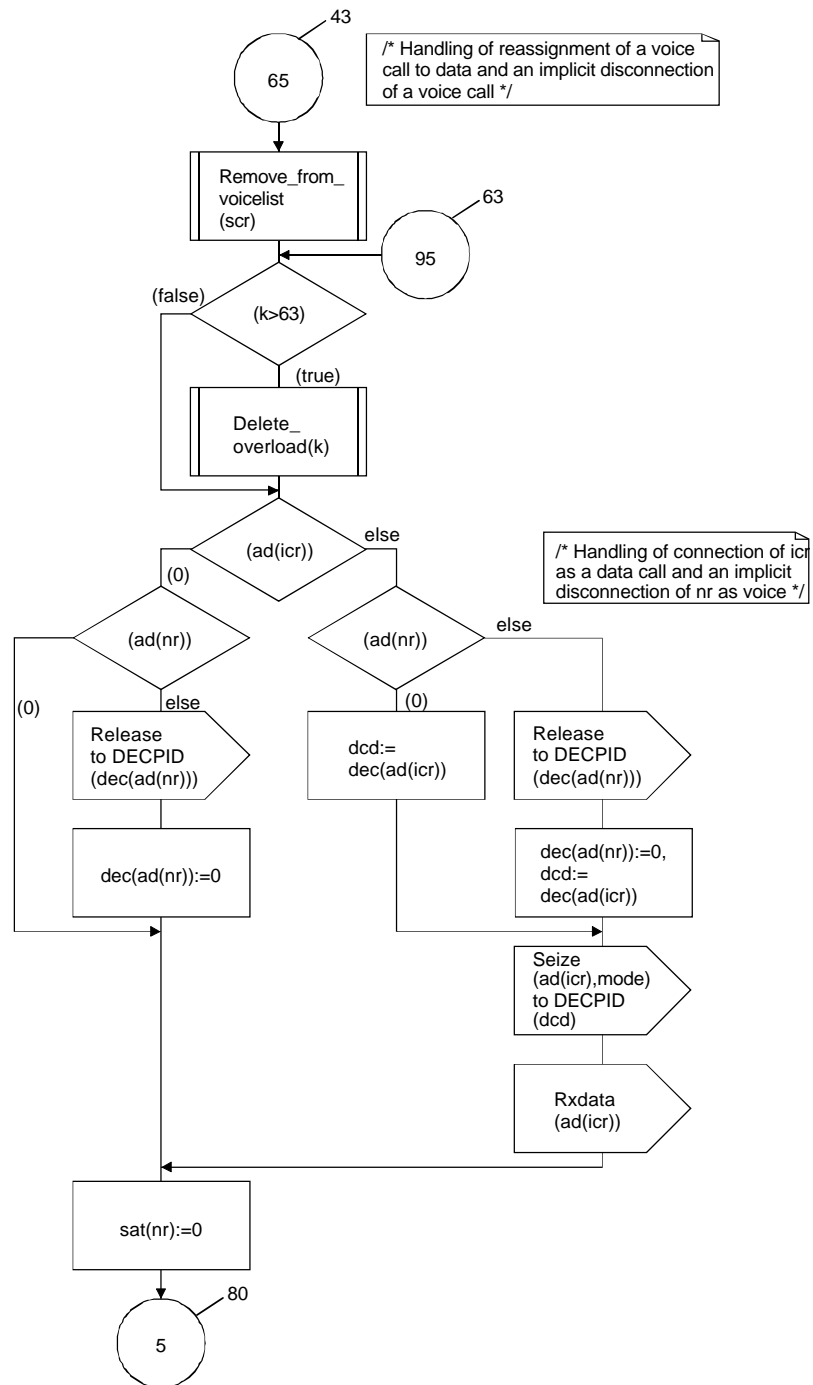


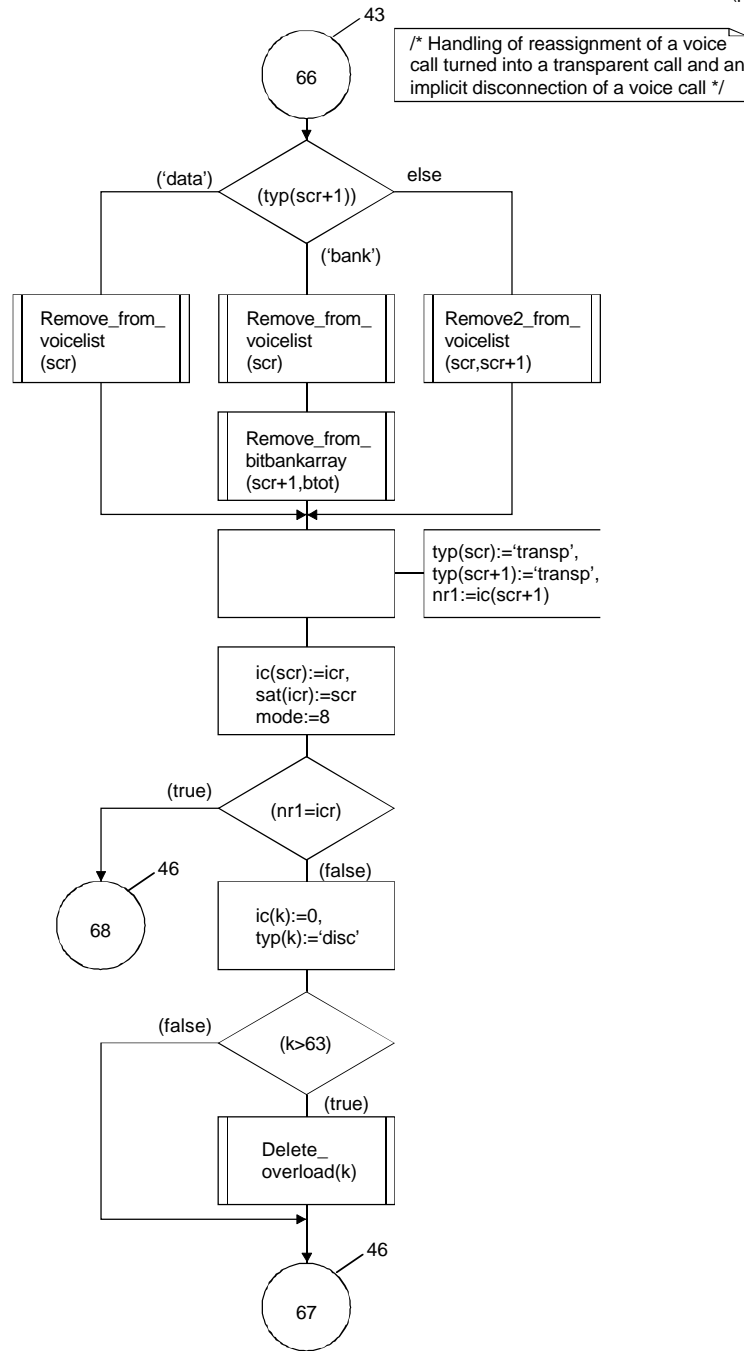


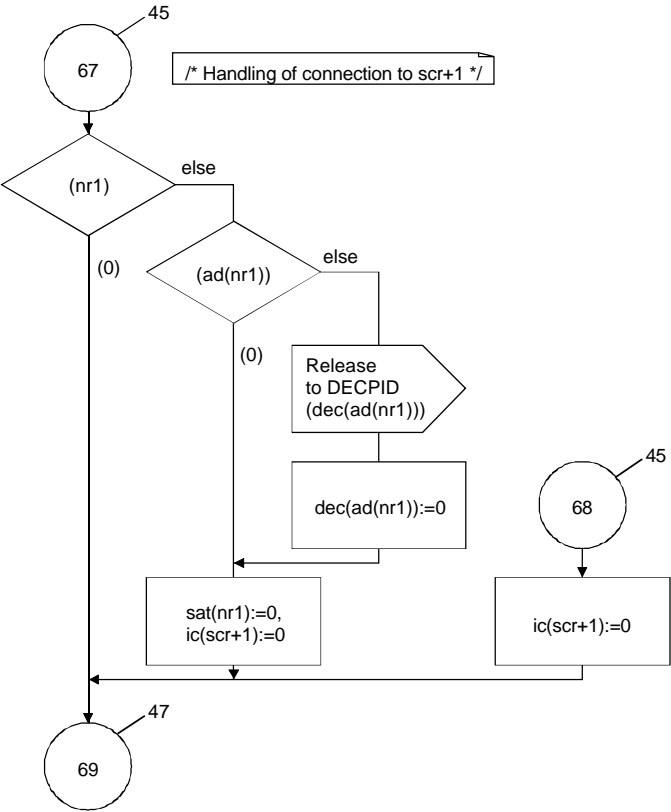


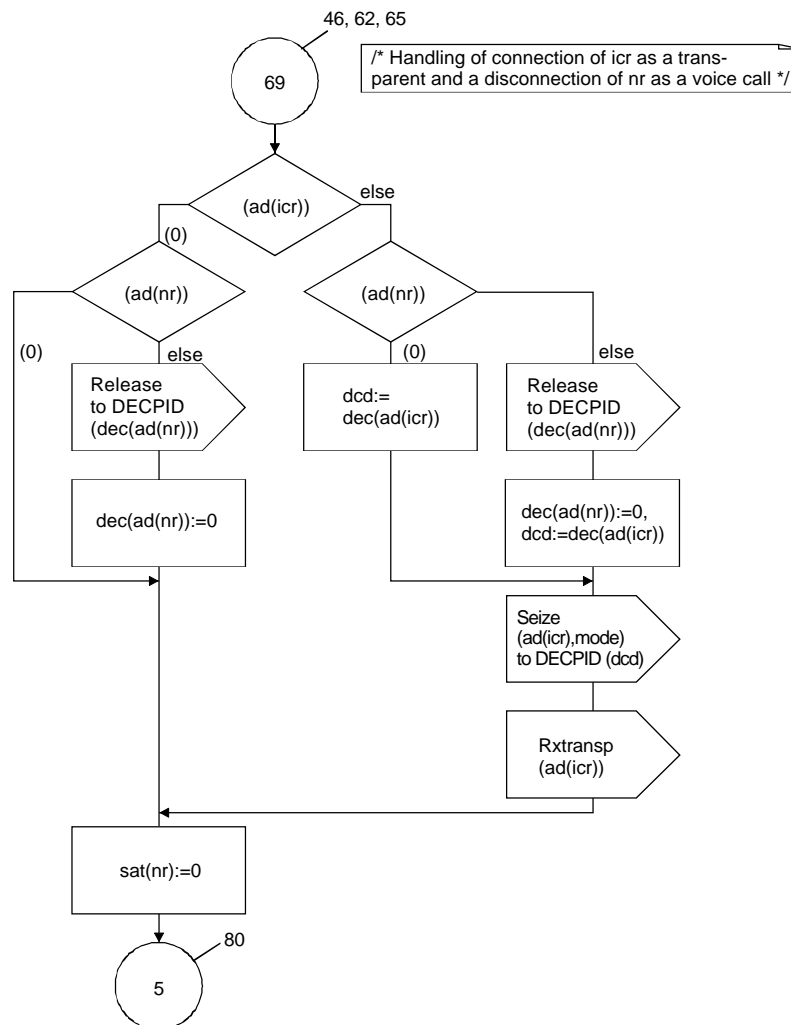


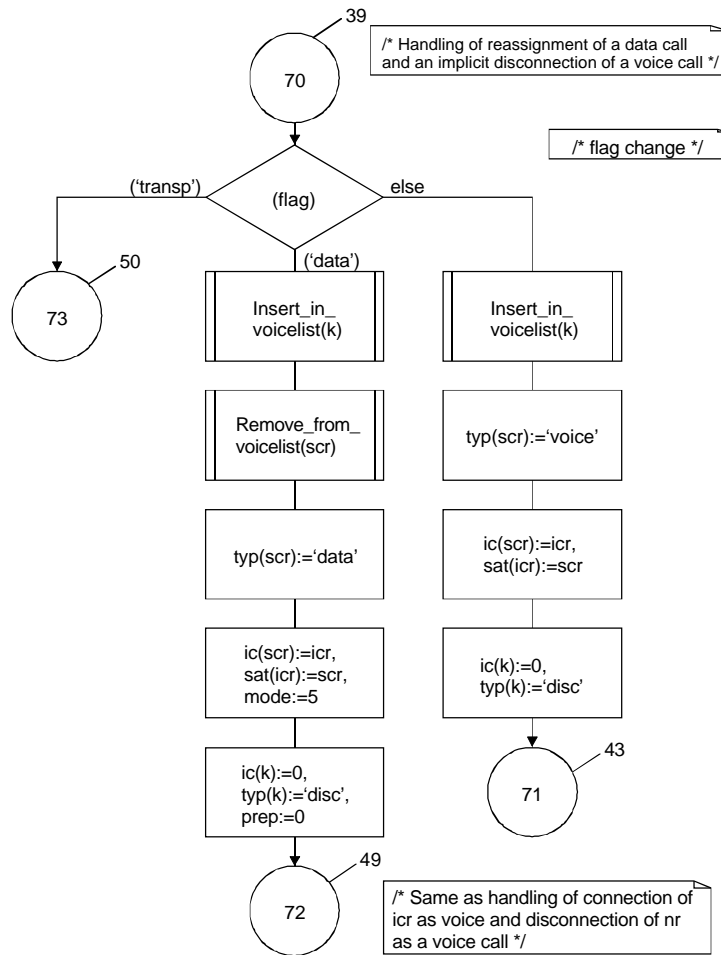


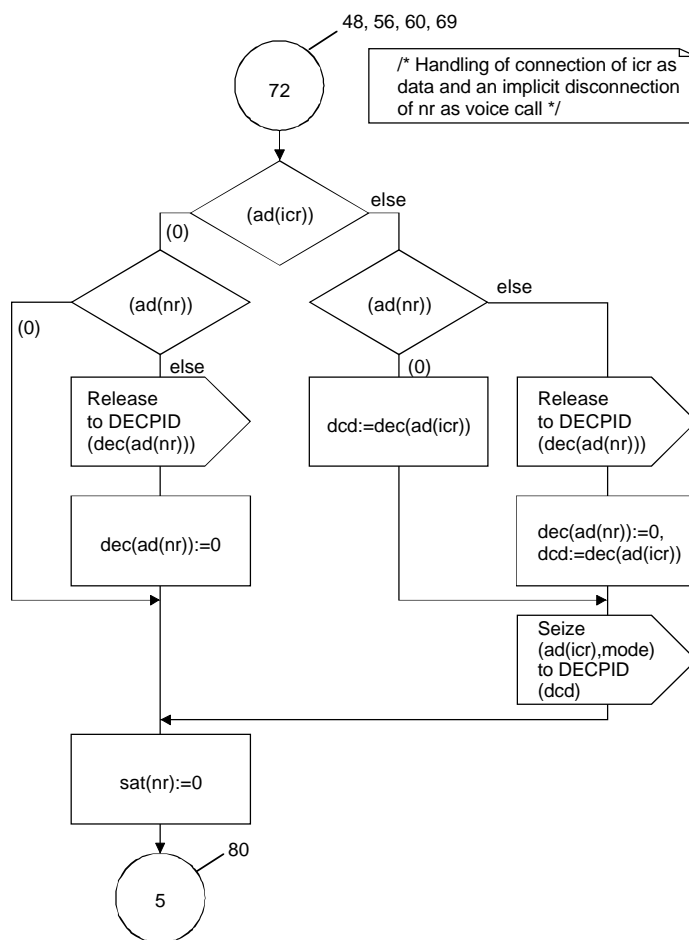


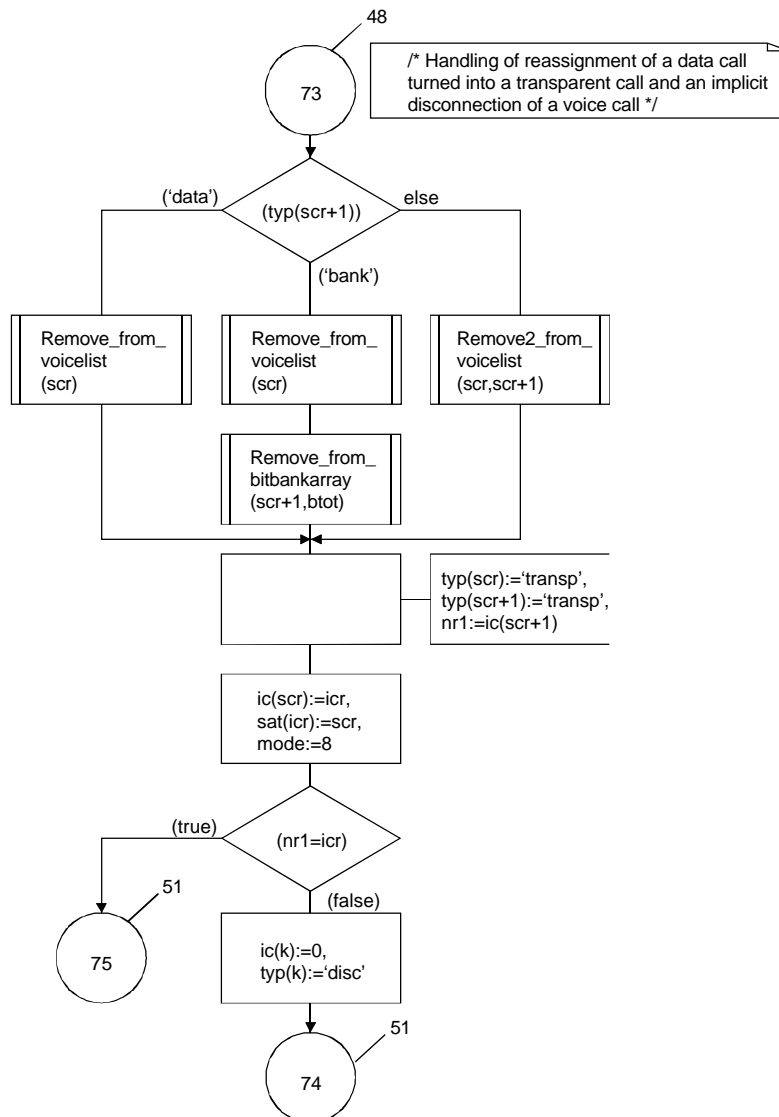


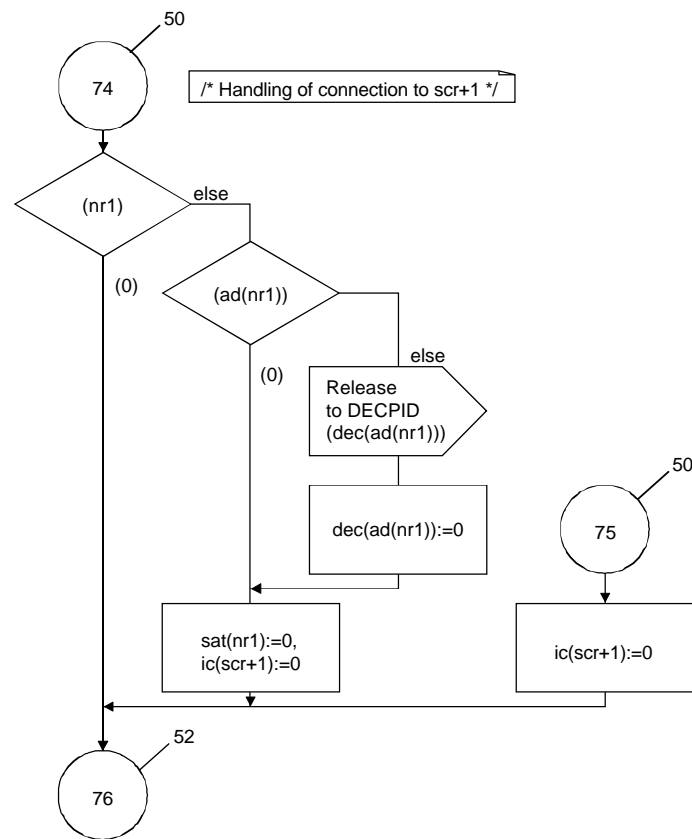


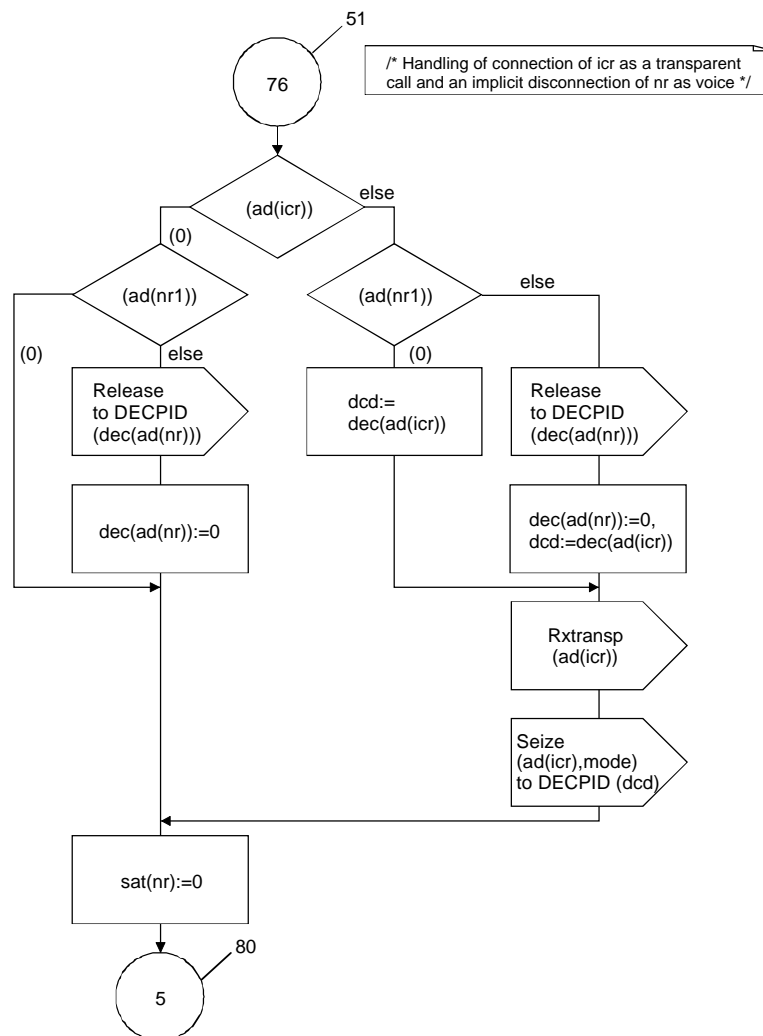


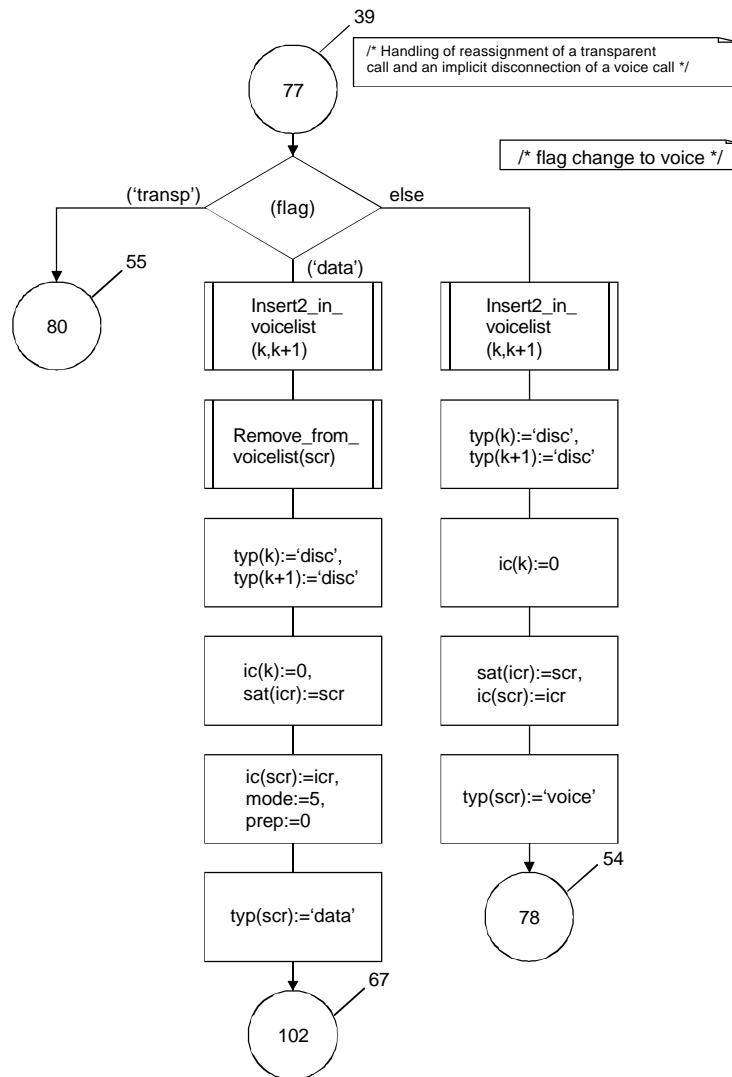


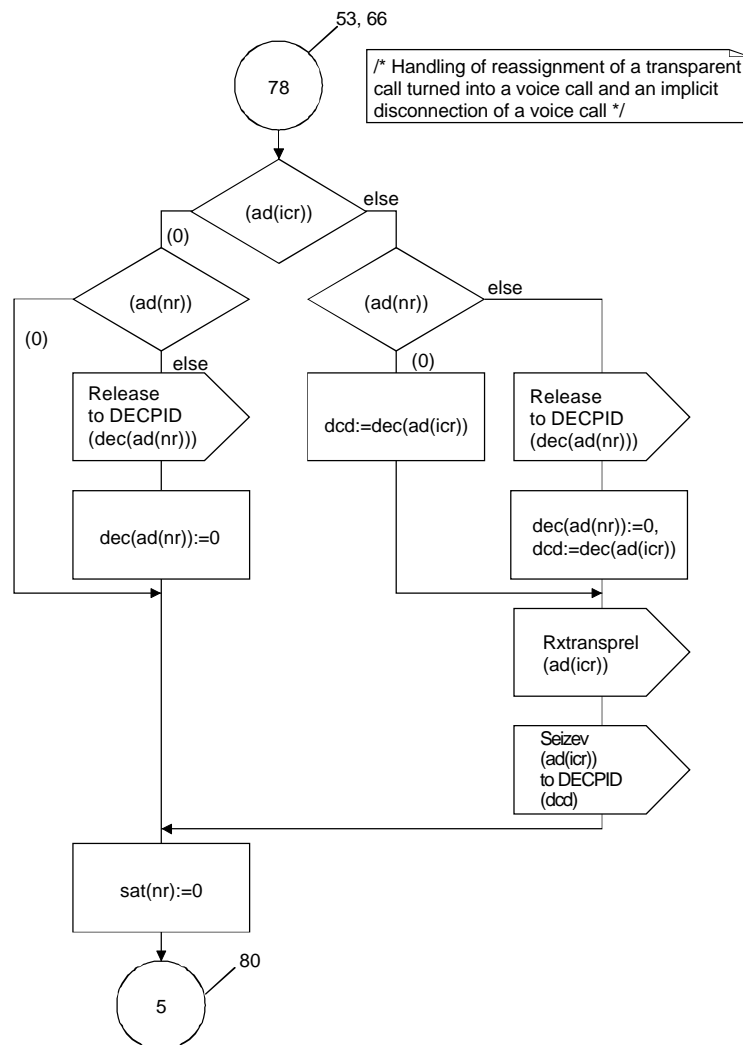


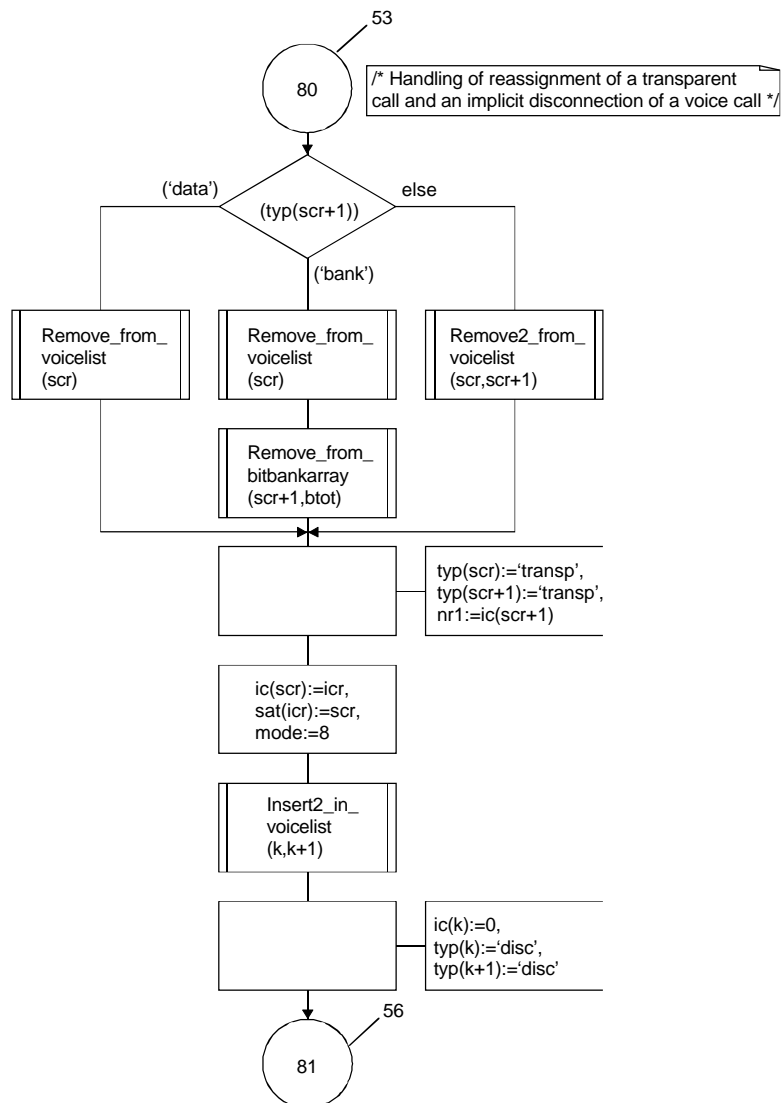


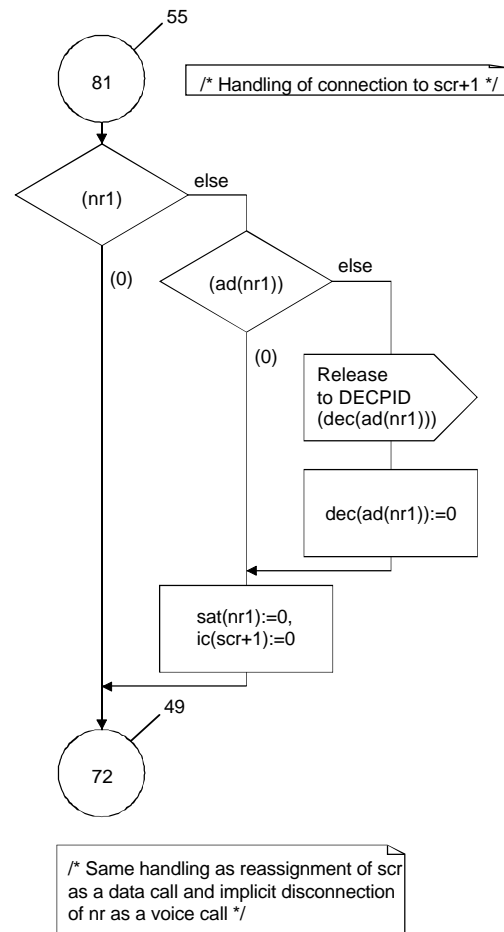


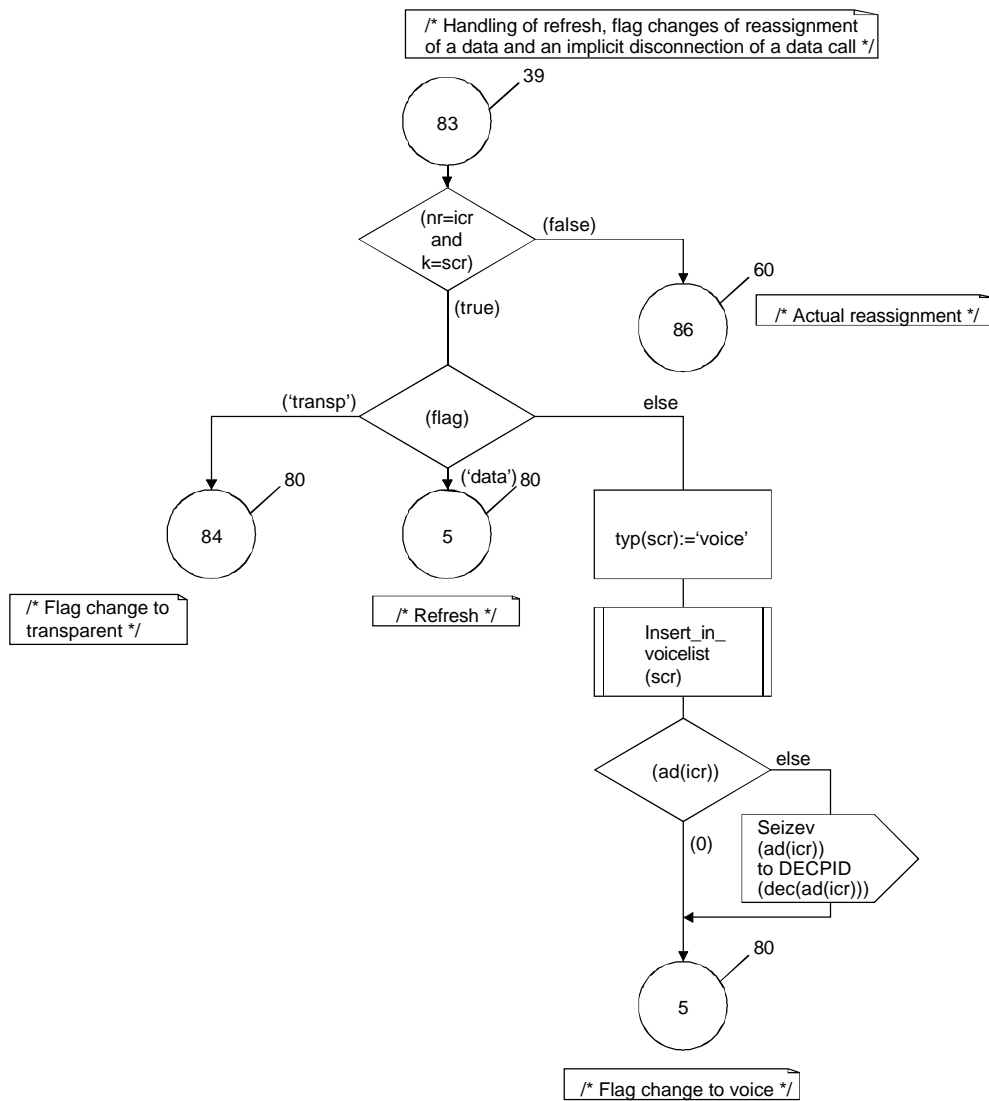


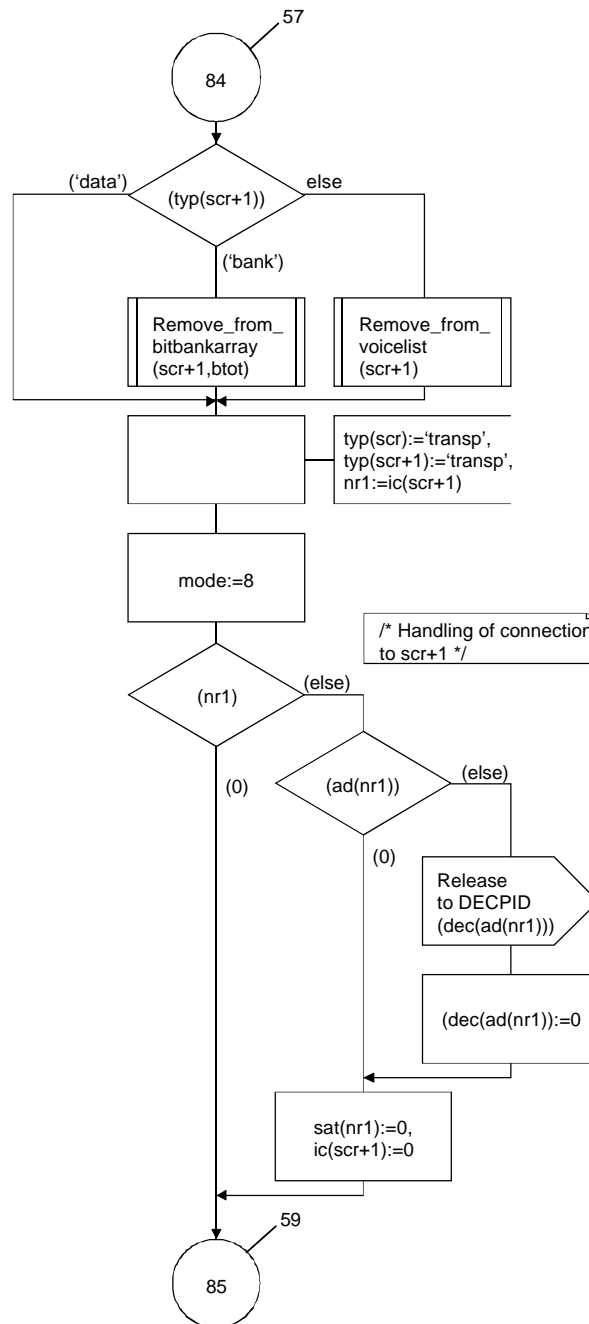


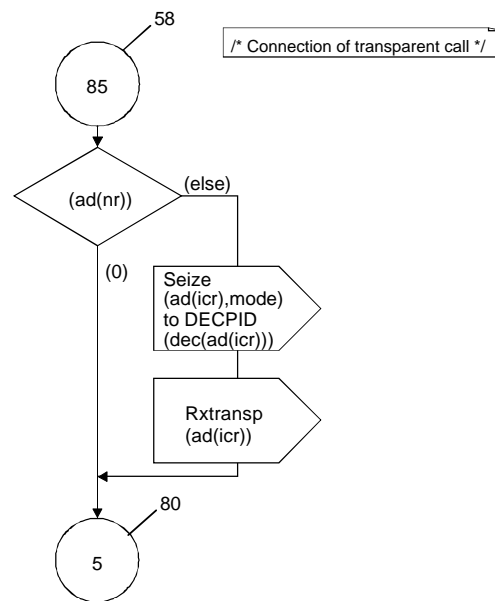


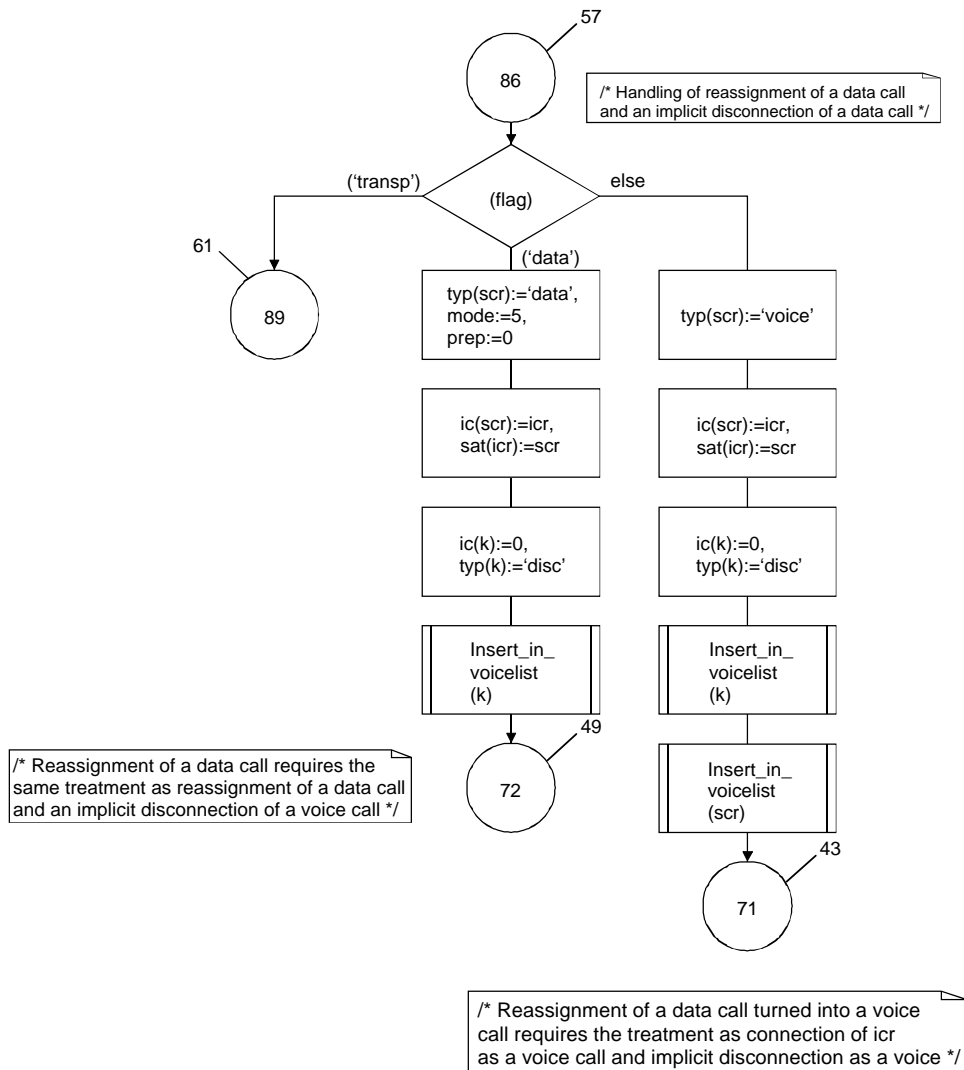


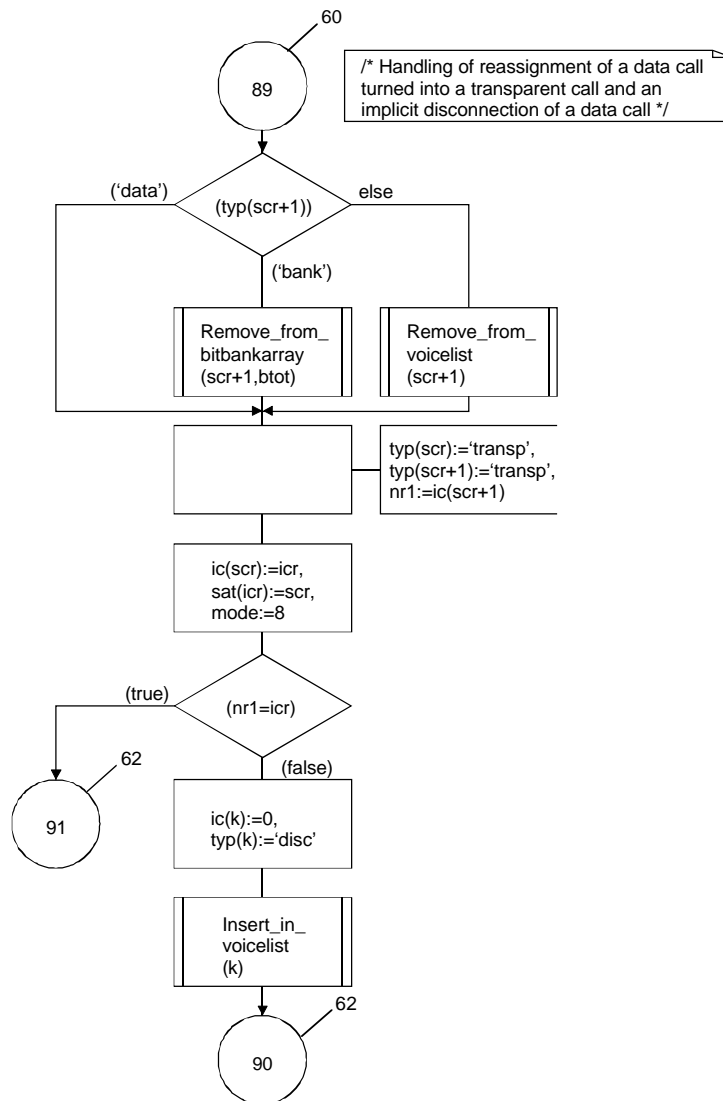


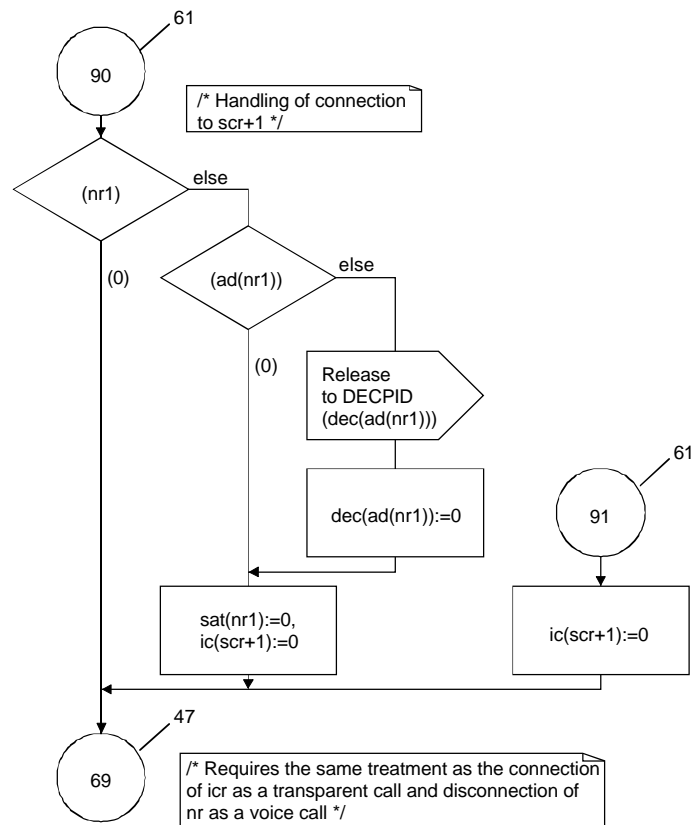


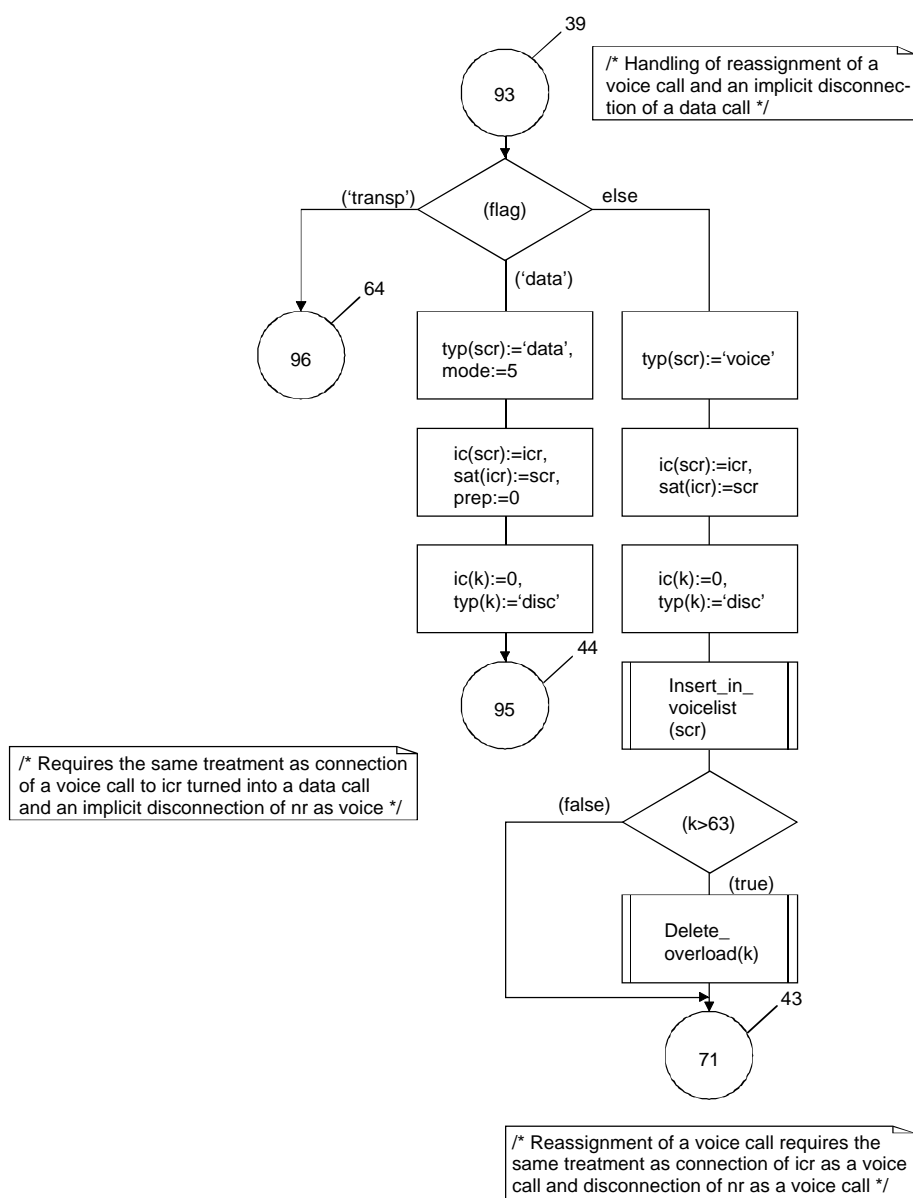


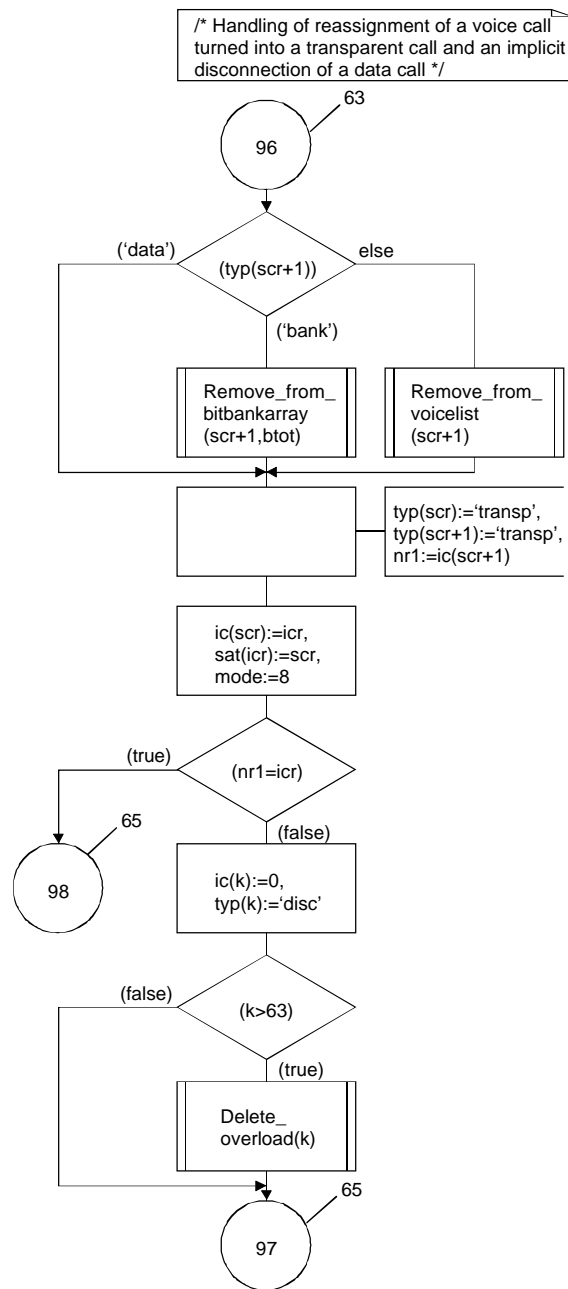


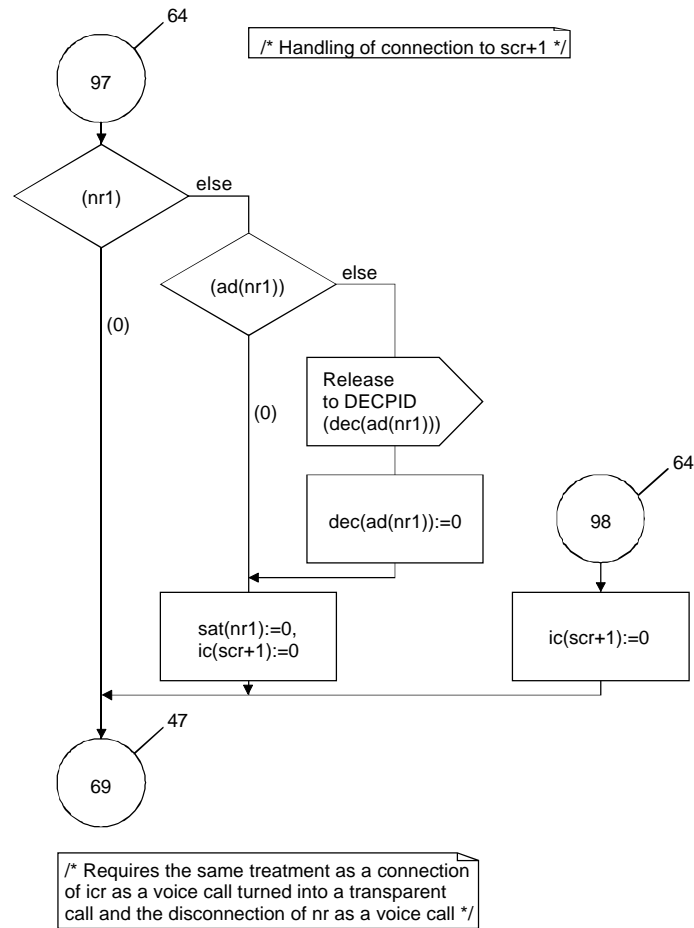


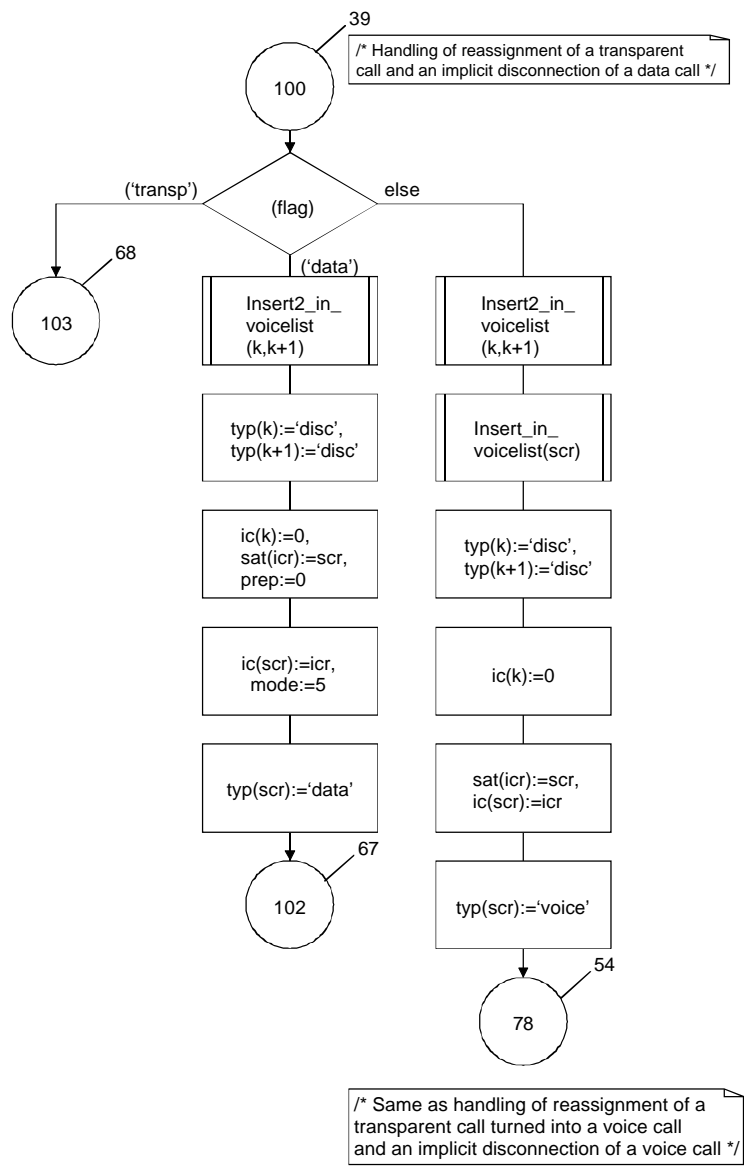


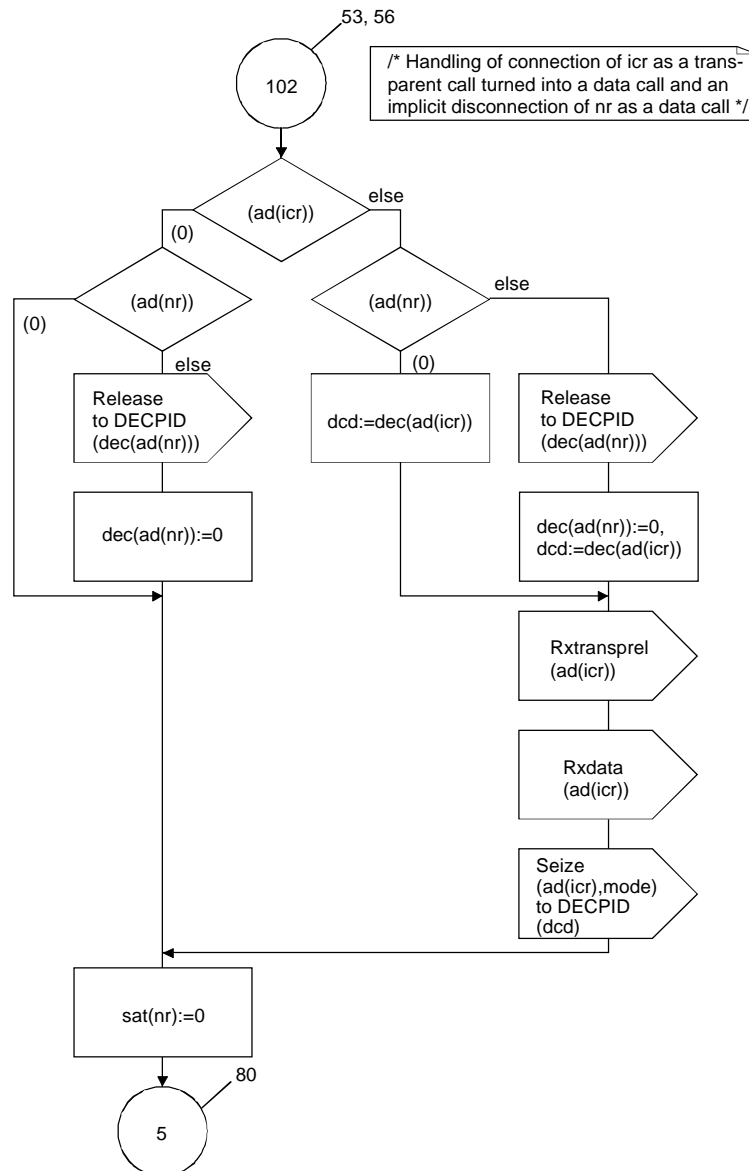


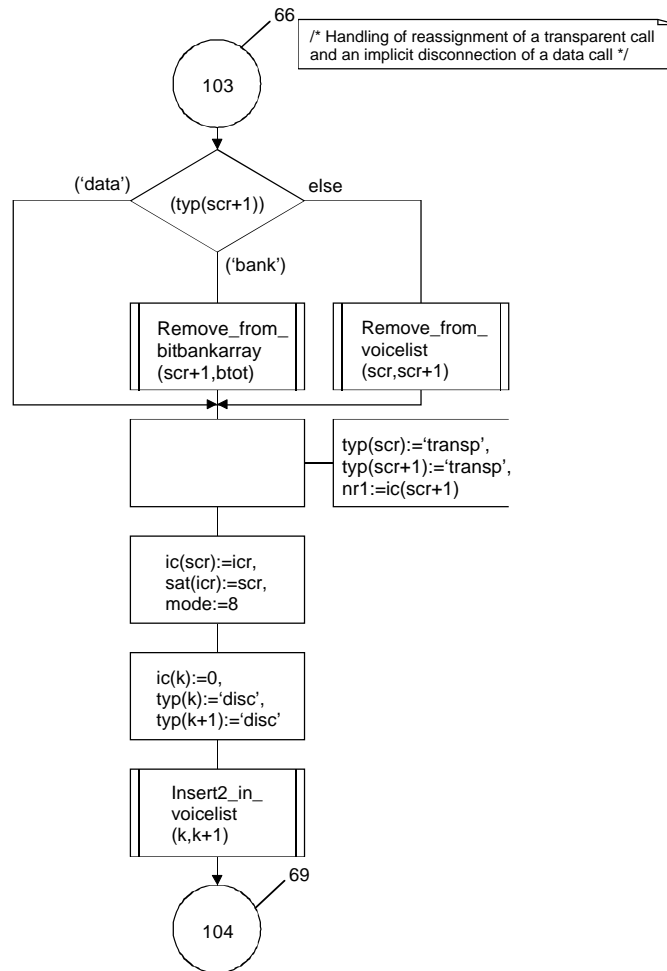


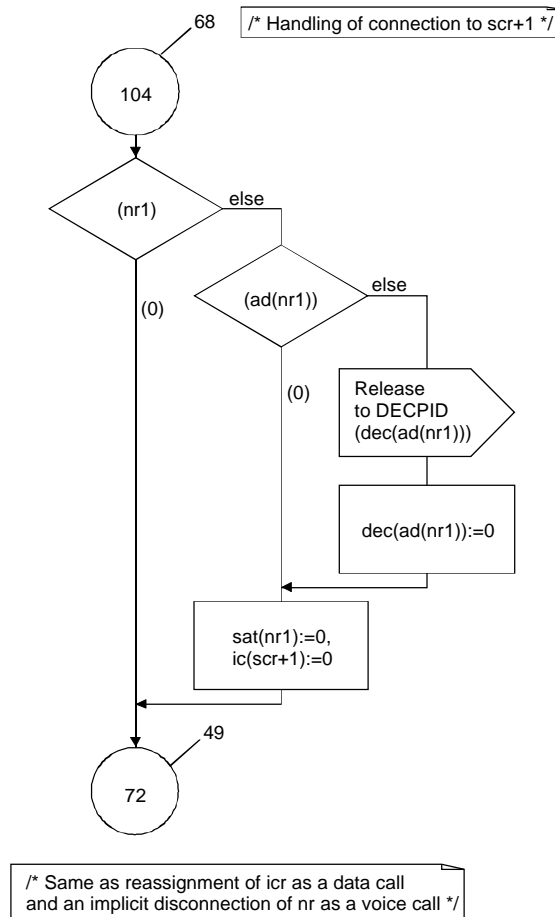


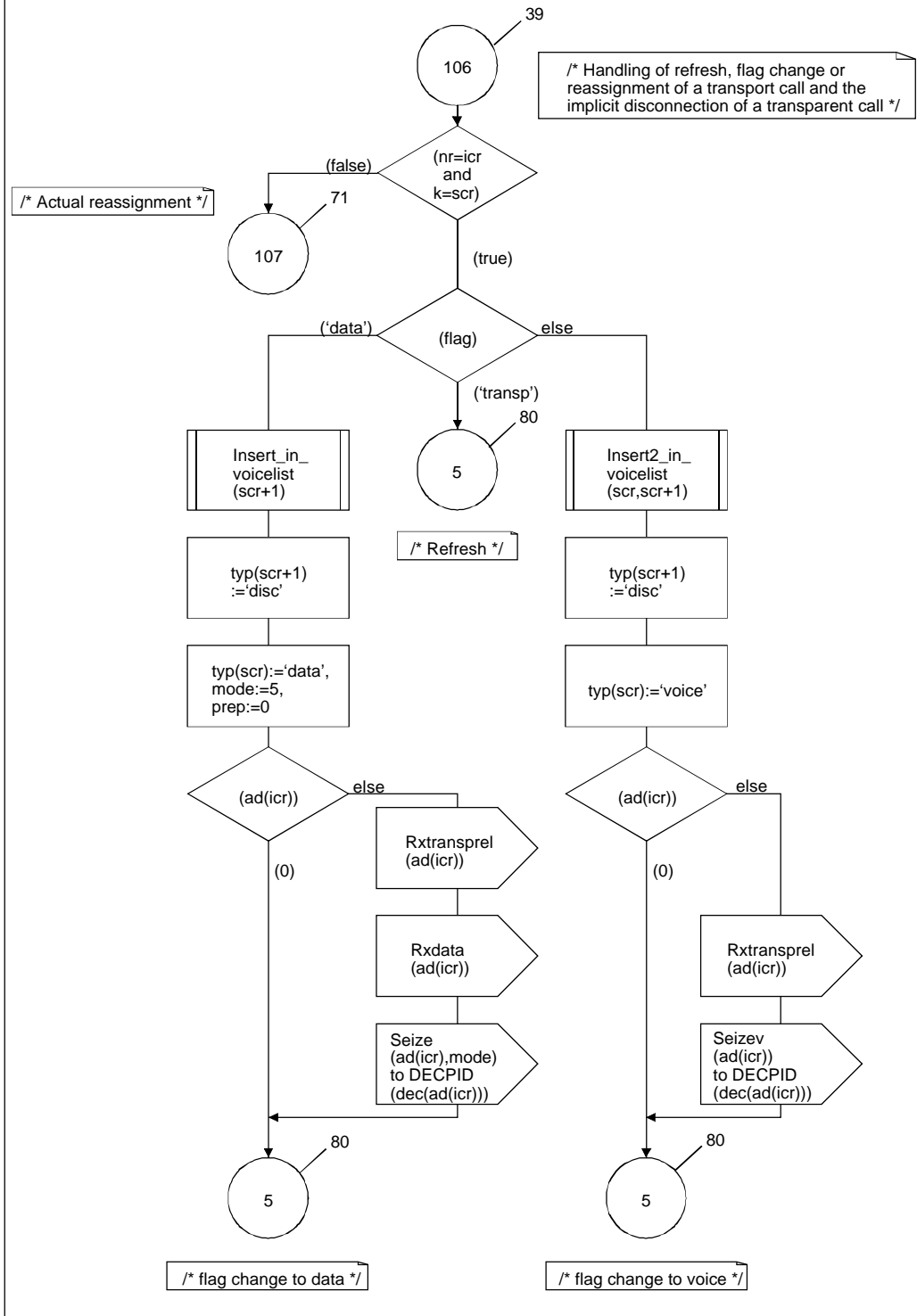


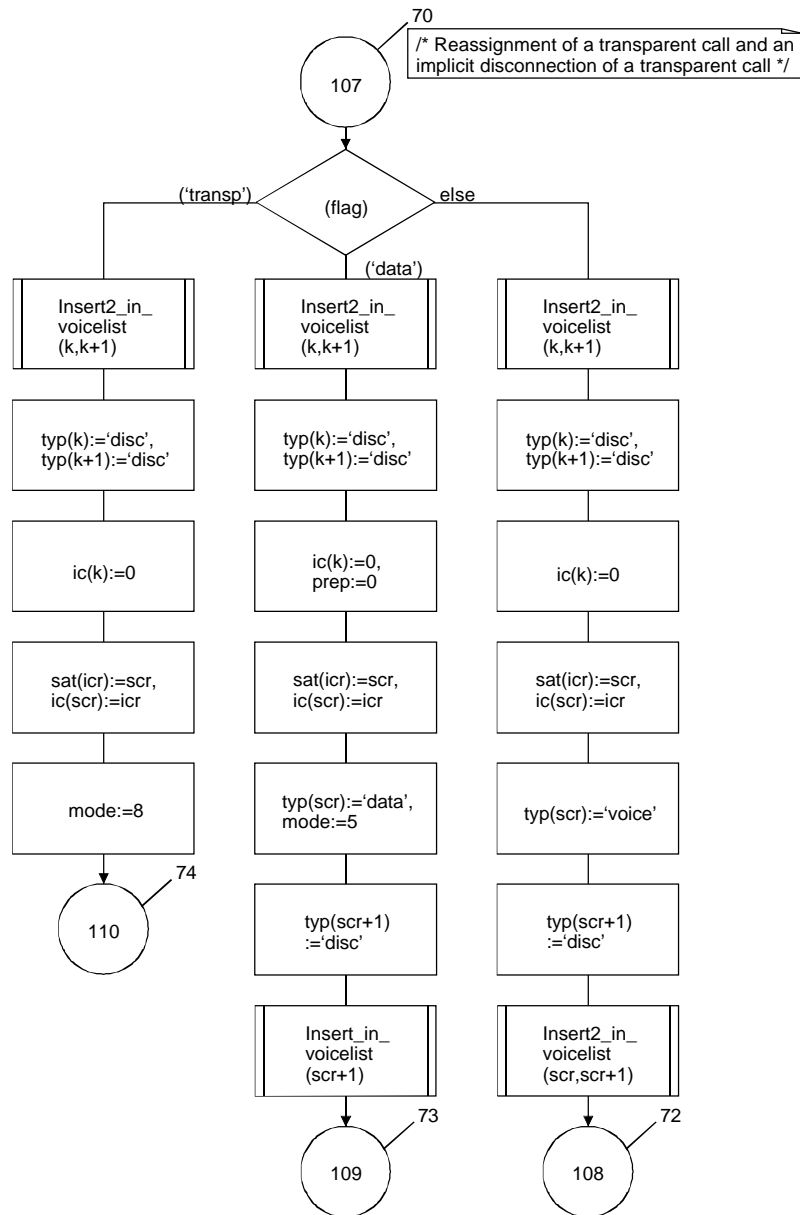


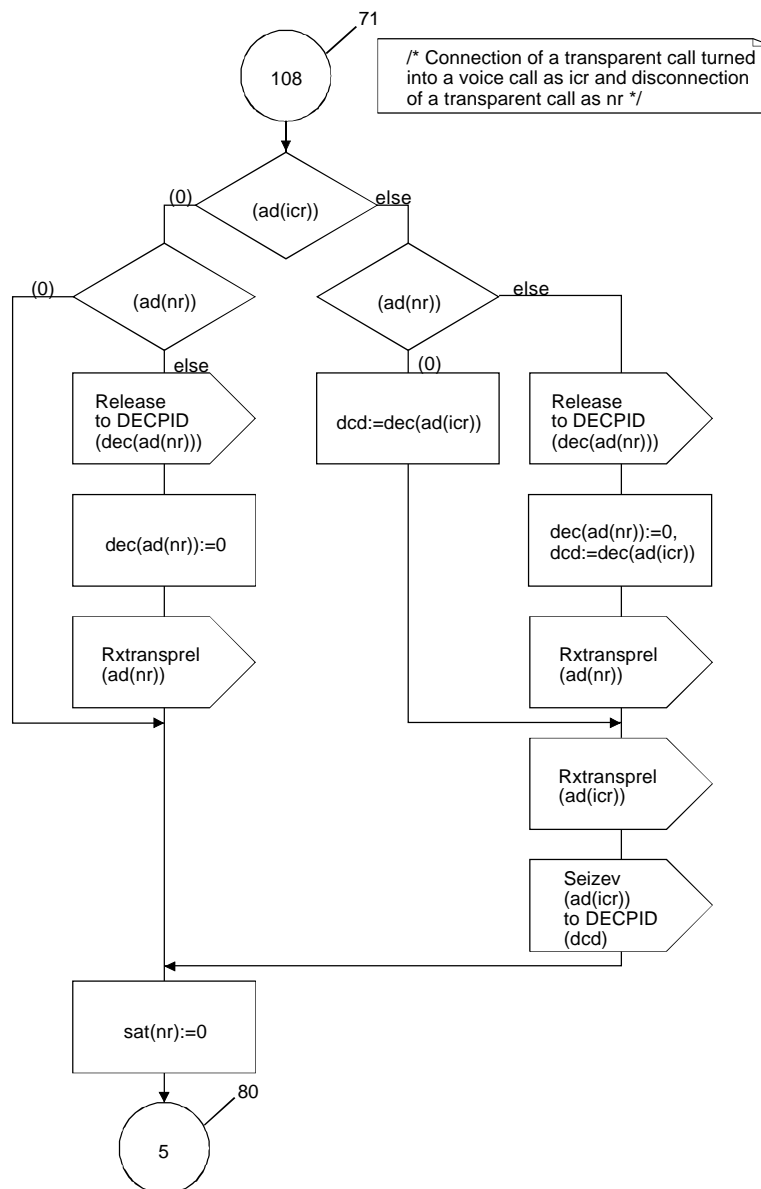


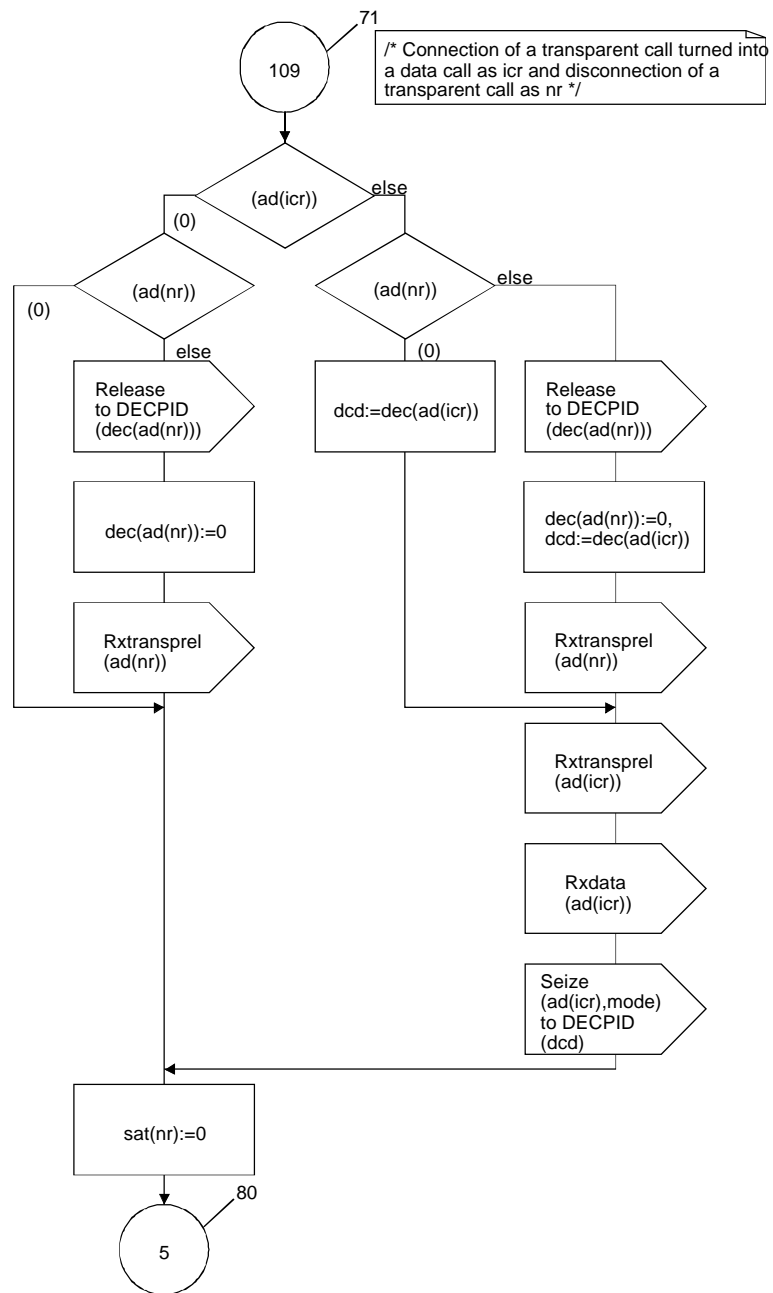


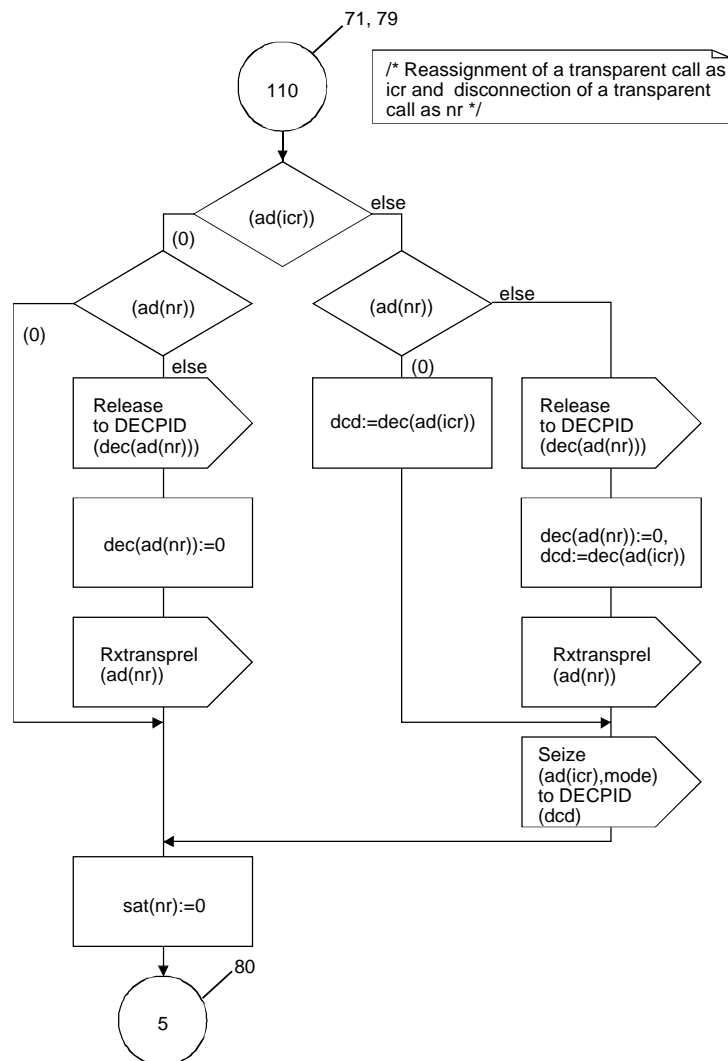


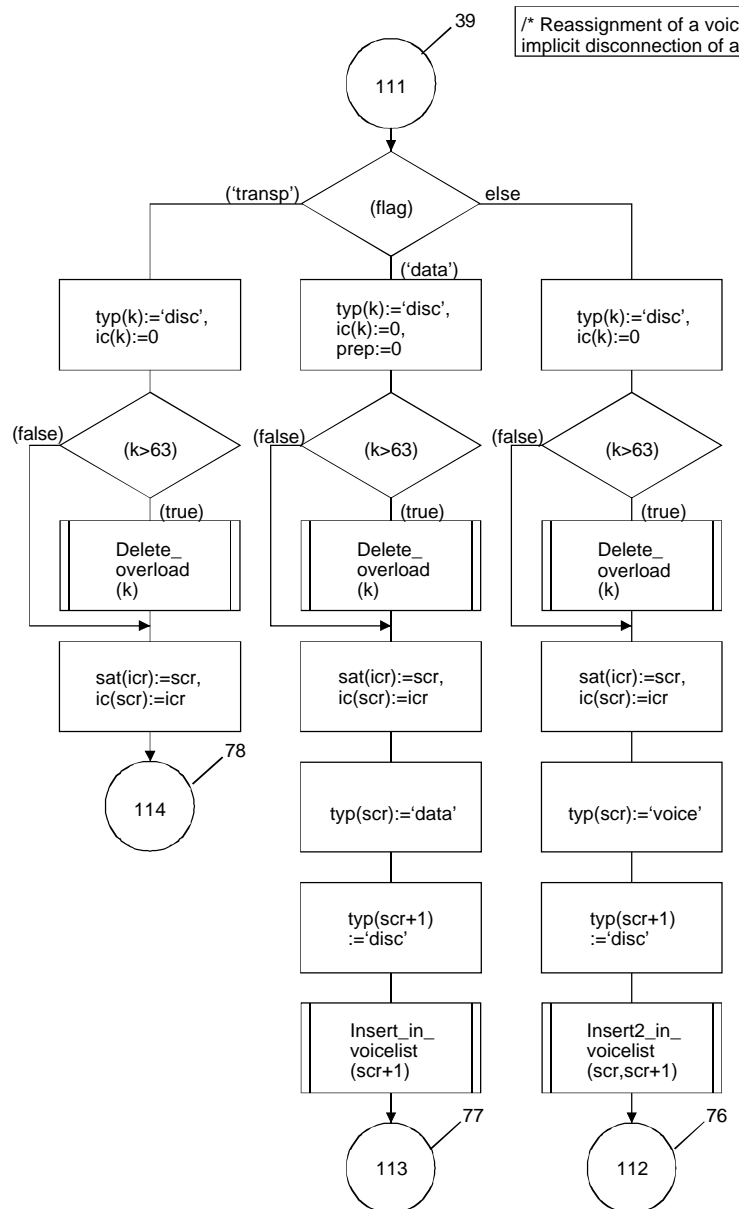


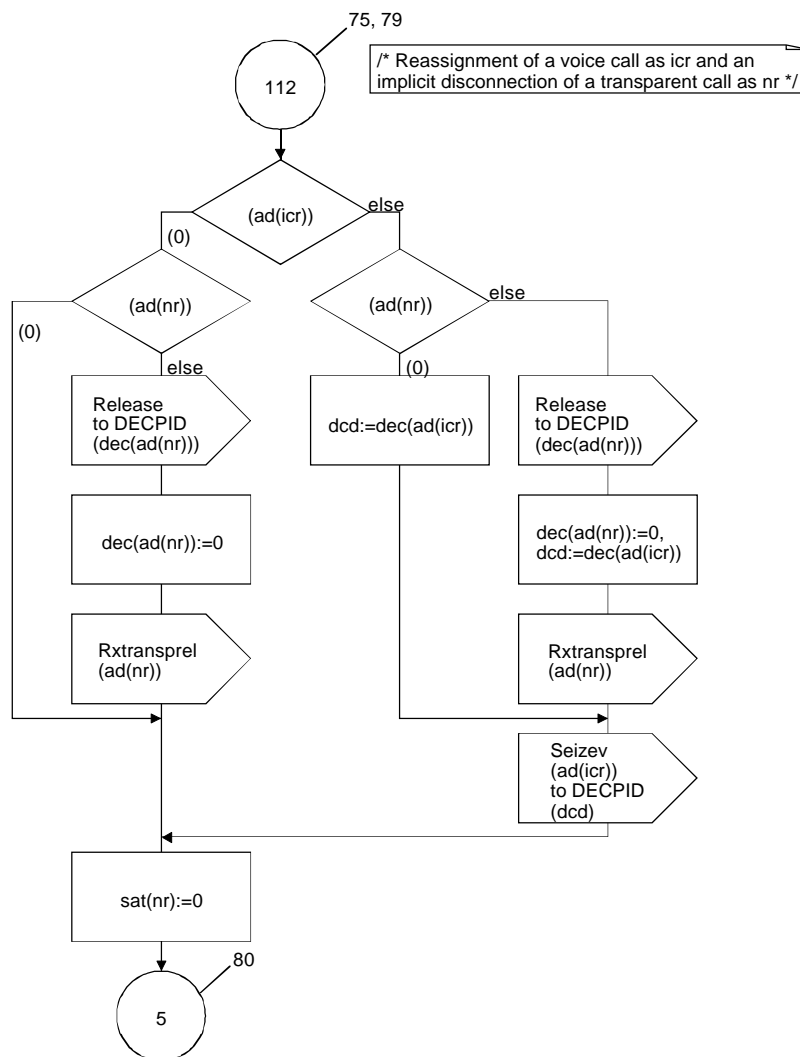


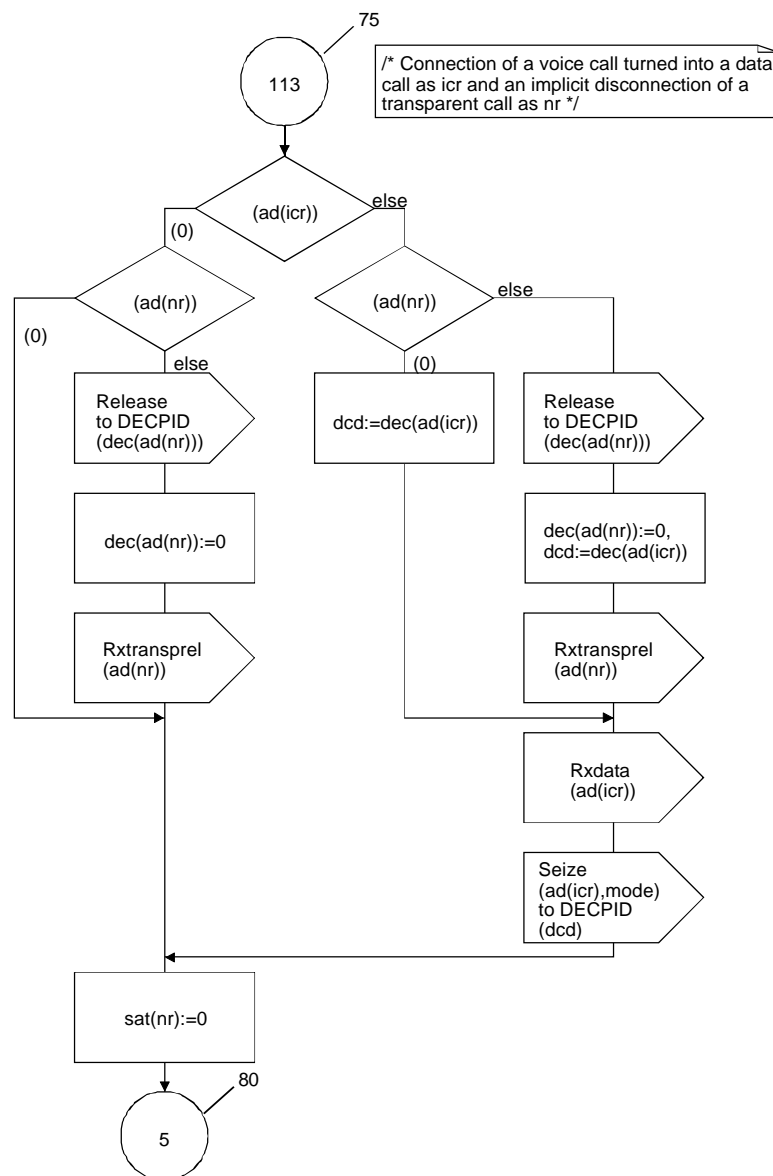


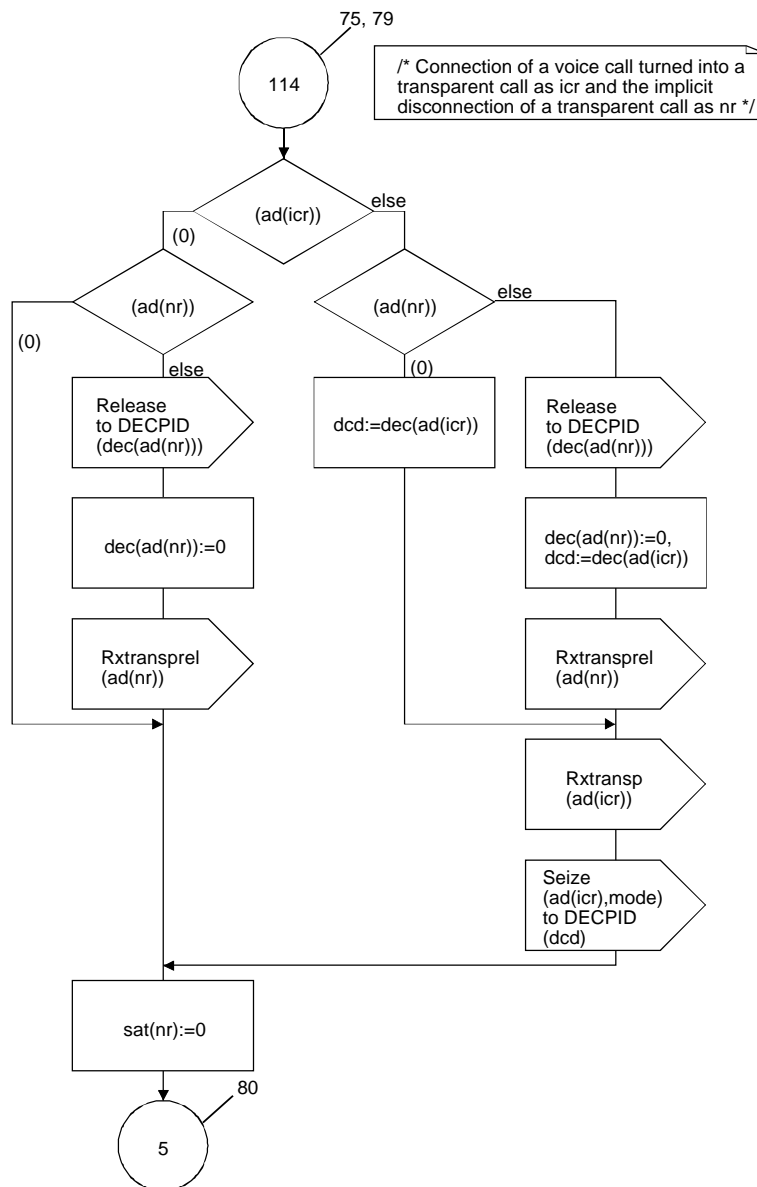


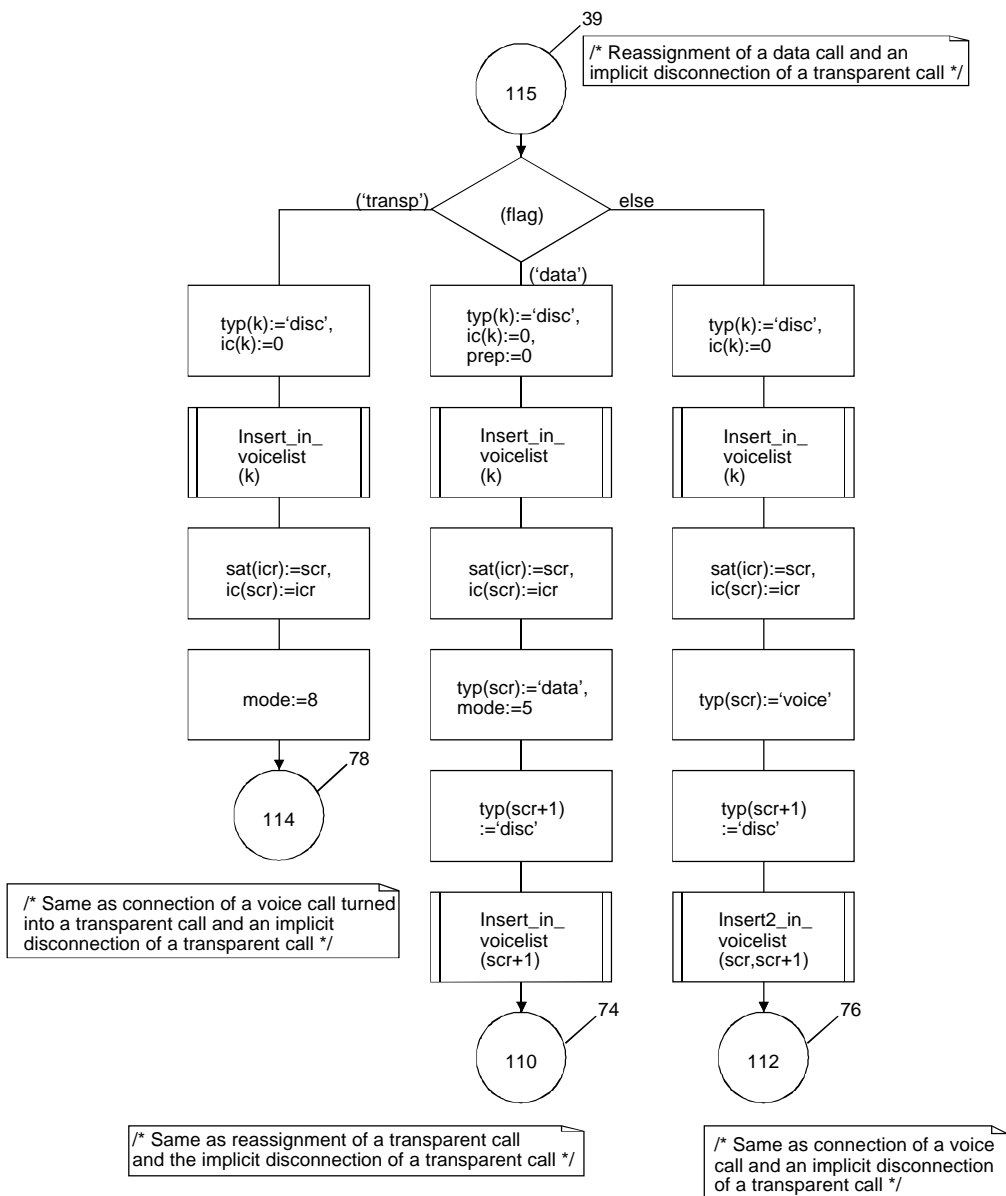


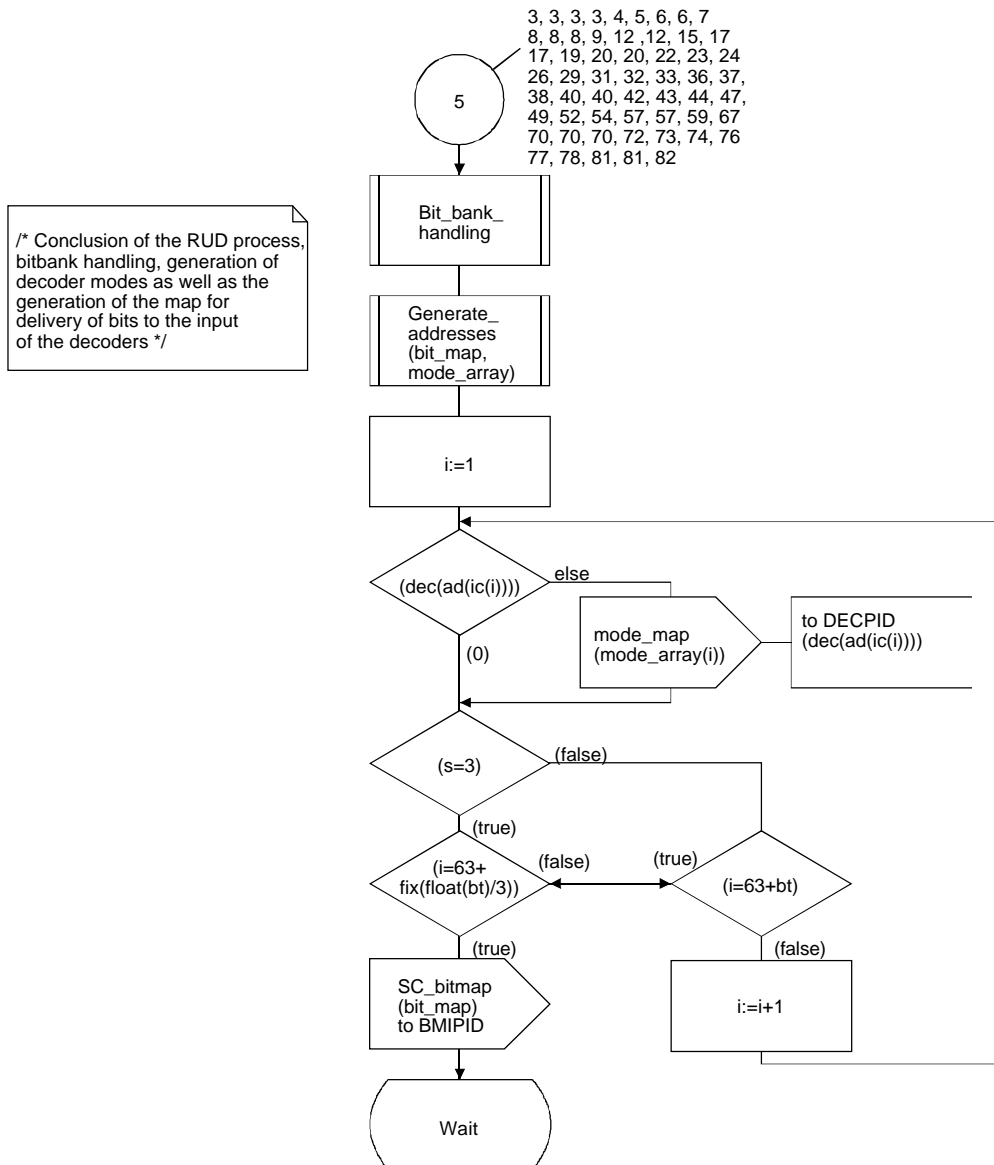


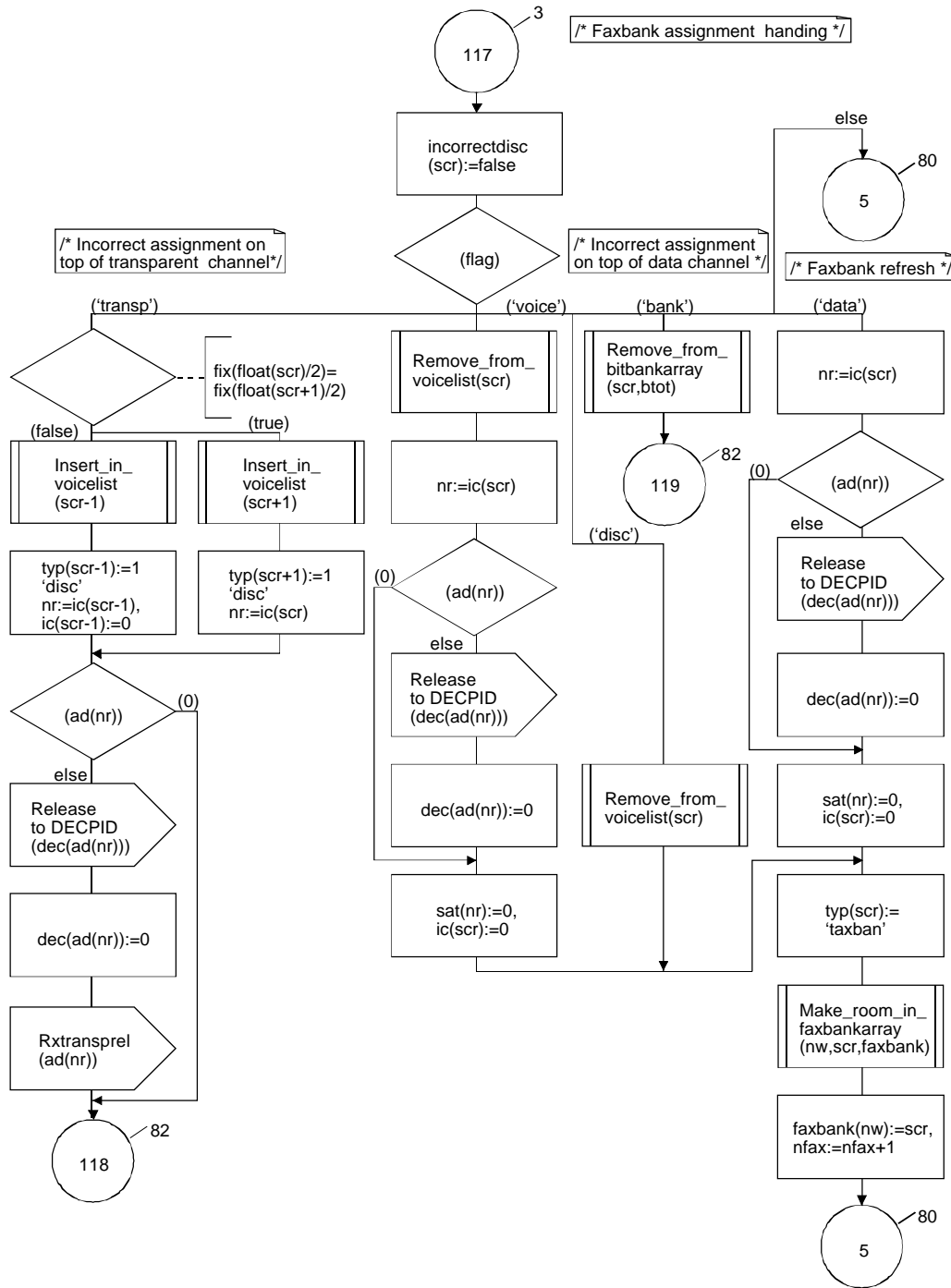


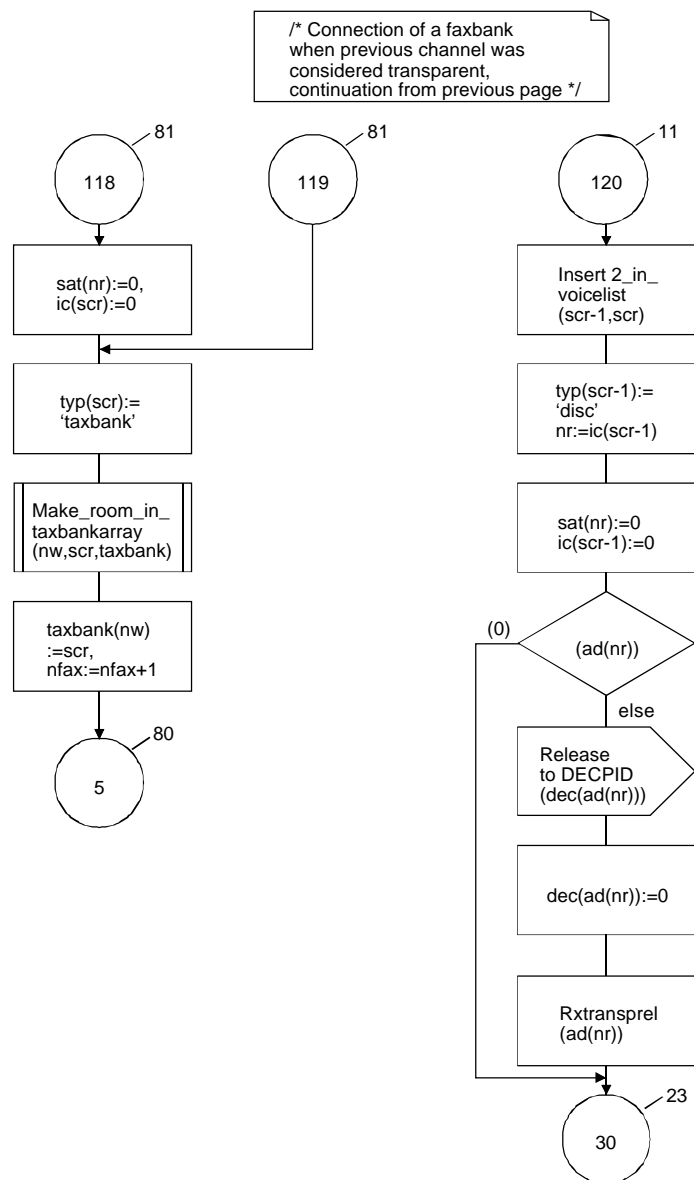


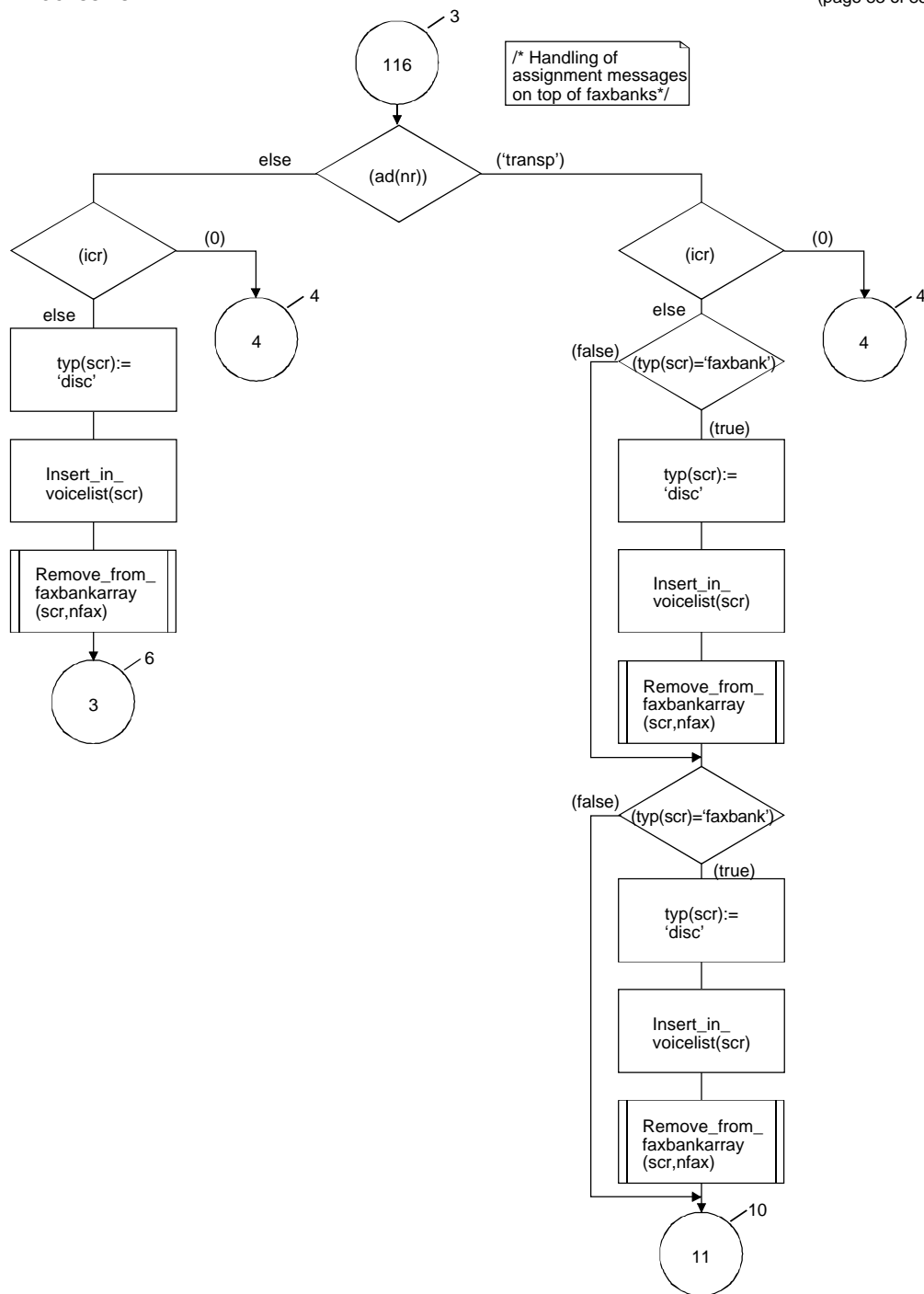




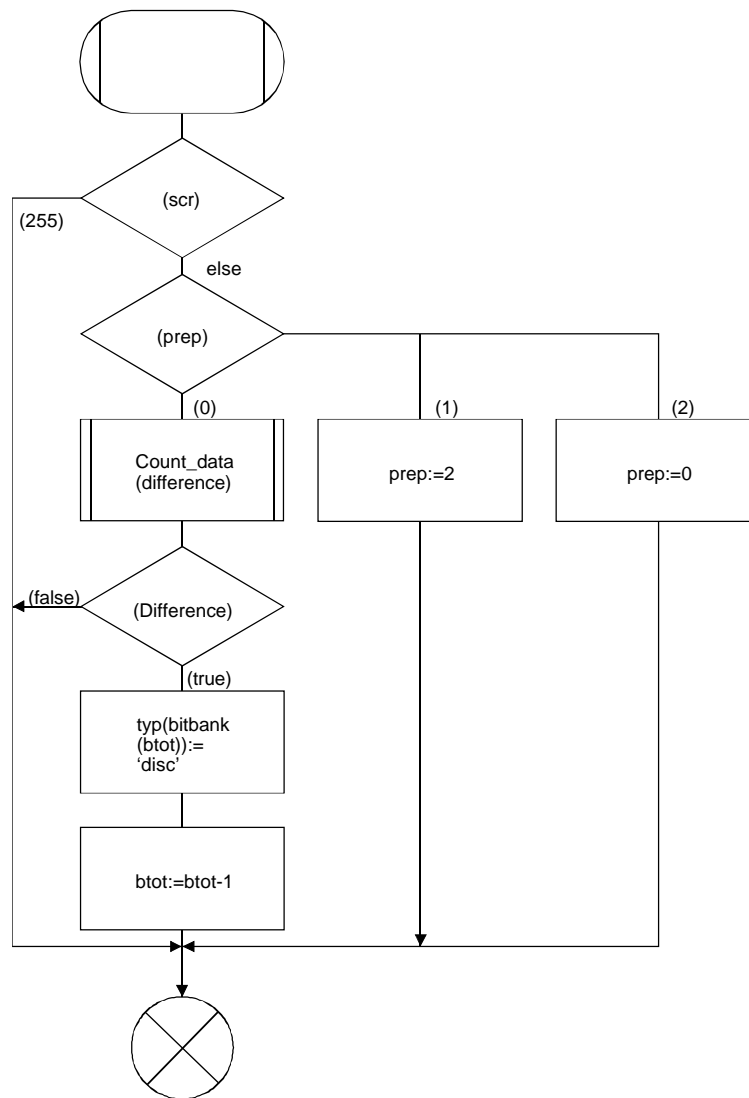






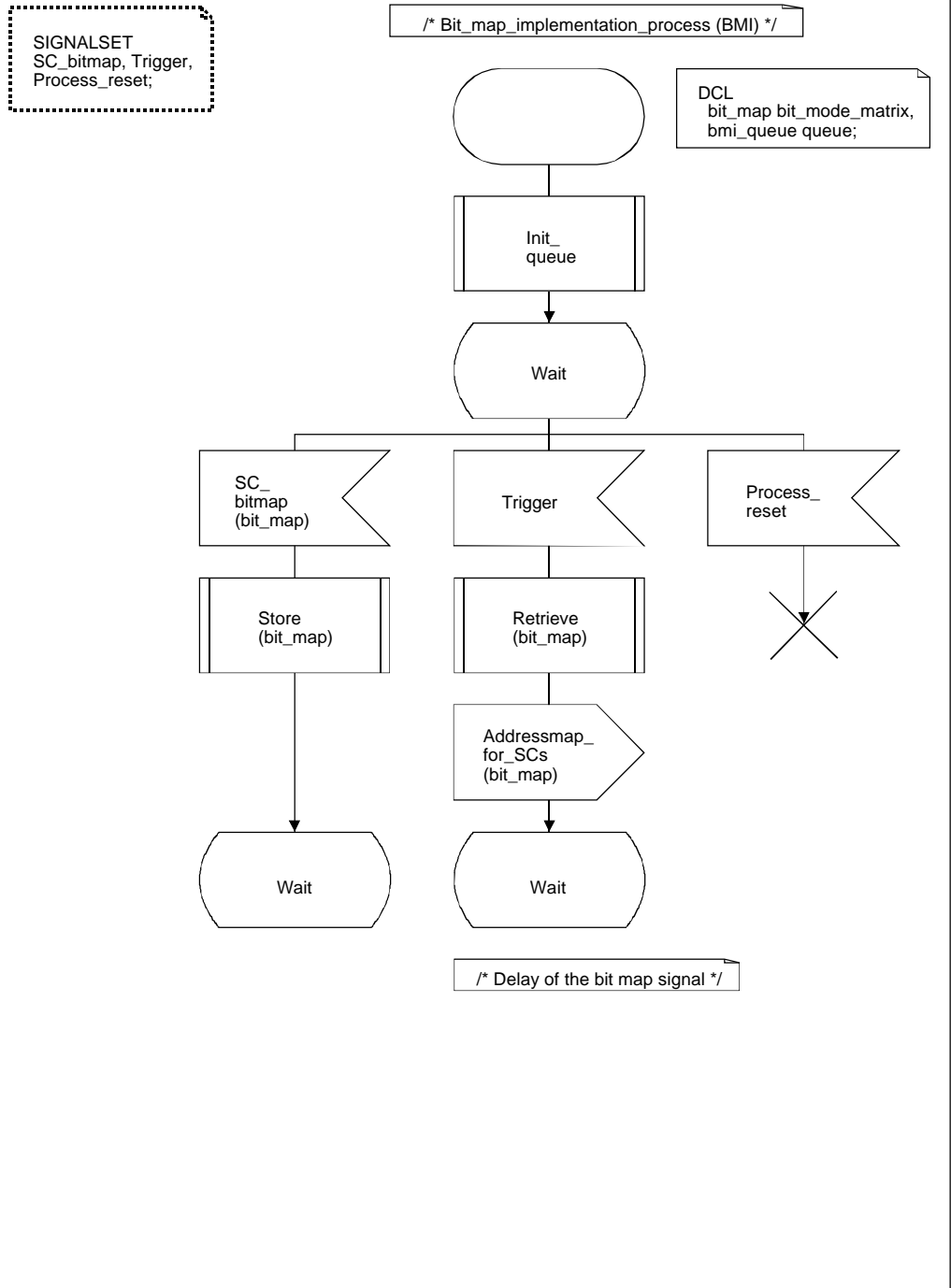


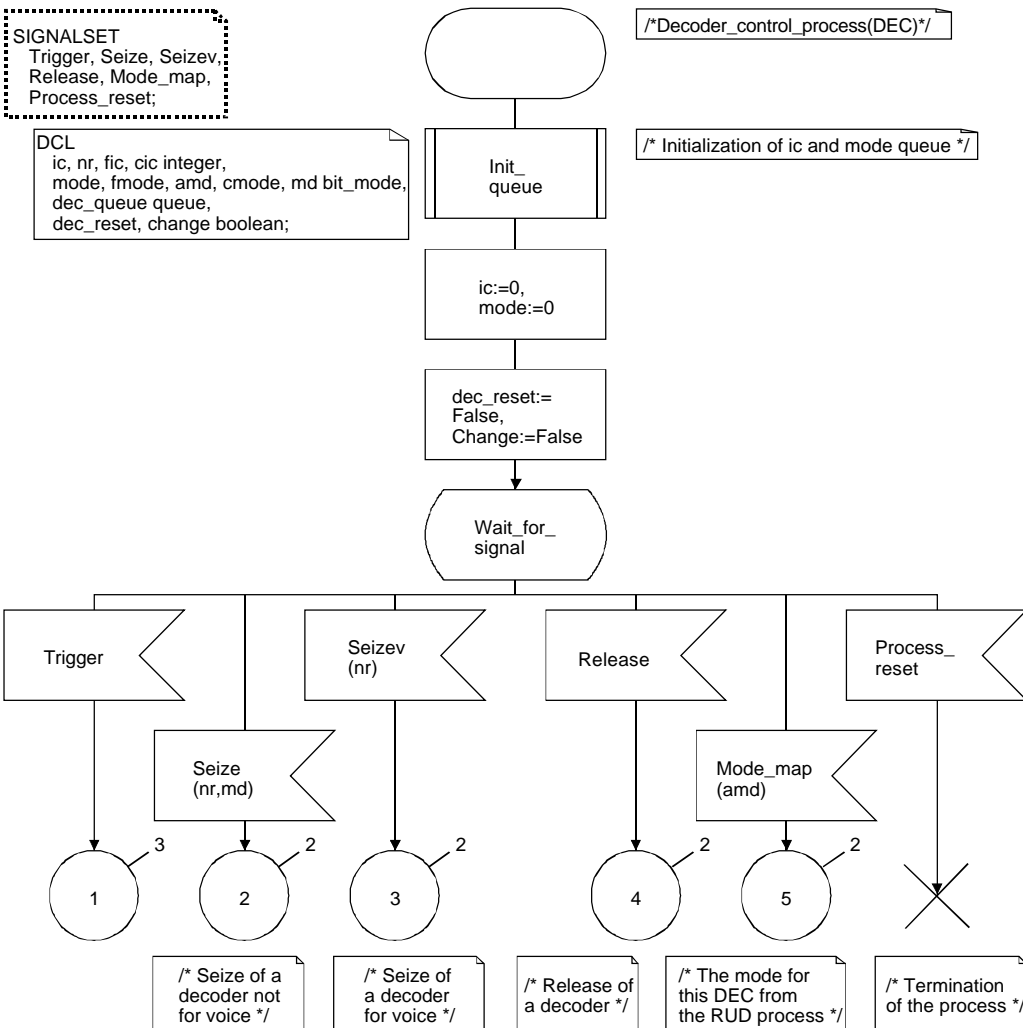
PROCEDURE BIT_BANK_HANDLING_6

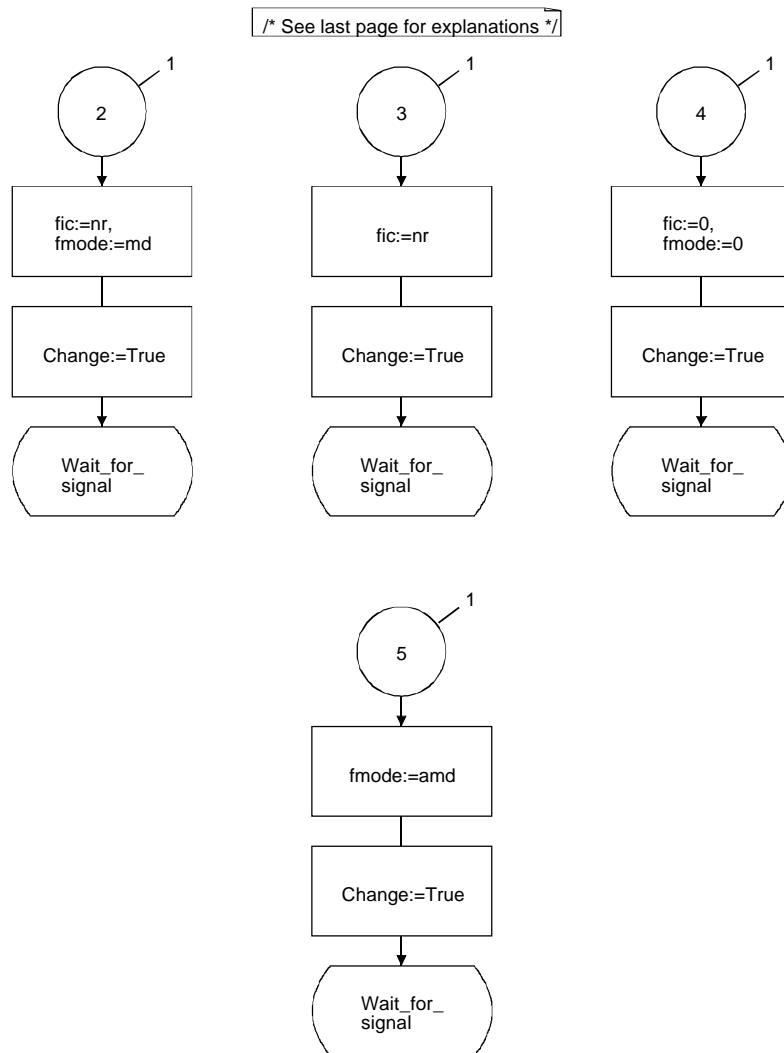


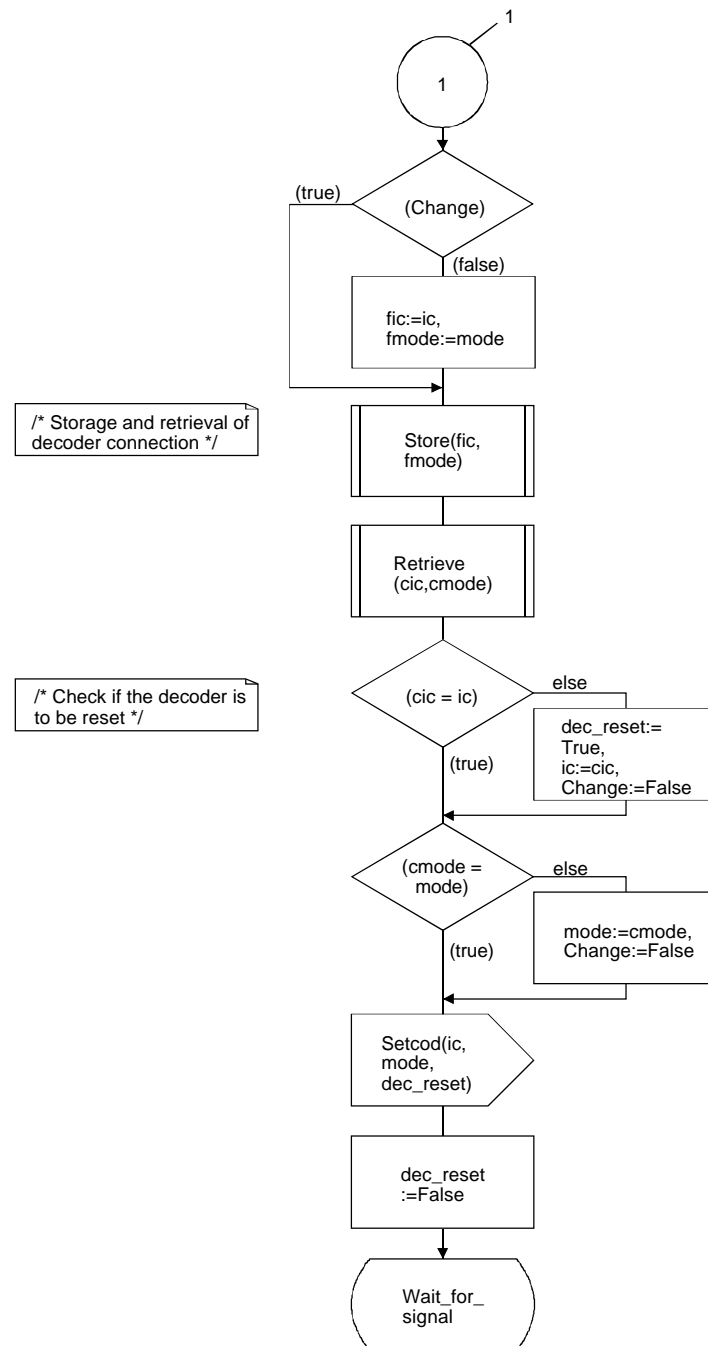
/* Procedure for handling the possible deletion
of a bitbank */

PROCESS BMI









PROCESS MCHB

DCL
 No_of_DEC instances decoder_range,
 DECPID DECPID_array,
 No_of_RUD_instances integer,
 dcdlist decoder_list,
 bt integer,
 iclist ic_access_list,
 sclist sc_access_list,
 pre ic_access_list,
 presc sc_access_list,
 premode assigned_mode,
 sel selected_decoder,
 ptot, btot integer,
 ad adlist,
 bitbank bitbank_list,
 faxbank faxbanklist,
 FCH_used boolean,
 s integer
 i integer;

/* Map_change_handler_process_B */

