

```
/*
```

```
001-Generated C code for functional specification 'RELEASE_RESOURCE'
```

```
VERSION: 3.2.3.9 C-RAT
```

```
: 1.6.0.0
```

```
AUTHOR: Hamilton Technologies Inc. Copyright 1991-2015.
```

```
OPERATION: RELEASE_RESOURCE
```

```
GENERATED: Tue Aug 25 16:55:34 2015
```

```
SCCSID: @(#) %M% %I% of %G%.
```

```
*/
```

```
#include "JOB.h"
```

```
#include "SIMDB.h"
```

```
#include "JOBPROCESS.h"
```

```
#include "NAT.h"
```

```
#include "MACHINE.h"
```

```
#include "EVENTTYPE.h"
```

```
#include "AN_EVENT.h"
```

```
#include "BOOLEAN.h"
```

```
#include <stdio.h>
```

```
#include <math.h>
```

```
#include <errno.h>
```

```
#include "BOOLEAN.h"
```

```
#include "NAT.h"
```

```
fRELEASE_RESOURCE(V0SIMDB, V0EVENT,  
                  V0S)
```

```
IDECLARE_SIMDB(V0SIMDB)
```

```
IDECLARE_AN_EVENT(V0EVENT)
```

```
ODECLARE_SIMDB(V0S)
```

```
{
```

```
/* __LOCAL_VARIABLE_DECLARATIONS__ */
```

```
DECLARE_SIMDB(V0S1)
```

```

DECLARE_JOBPROCESS(V0P)
DECLARE_JOB(V0J1)
DECLARE_NAT(V0ENDTIME)
DECLARE_MACHINE(V0M2)
DECLARE_JOB(V0J0)
DECLARE_MACHINE(V0M1)
DECLARE_EVENTTYPE(V0ET1)
DECLARE_MACHINE(V0M0)
DECLARE_EVENTTYPE(V0ET)
DECLARE_BOOLEAN(D0D11)
        /* __ITERATION_VARIABLE_DECLARATIONS__ */
        /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
        /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
MOVETO_EVENTTYPE_AN_EVENT(V0EVENT,V0ET)
GET_MACHINE_EVENTTYPE(V0ET,V0M0,V0ET1)
CLONE_MACHINE(V0M0,V0M1)
GET_JOB_MACHINE(V0M1,V0J0,V0M2)
MOVETO_TIME_SIMDB(V0SIMDB,V0ENDTIME)
fJOB_STATE_UPDATE(V0ENDTIME,V0M2,V0J0,&V0J1);
MOVETO_JOBPROCESS_JOB(V0J1,V0P)
fMACHINE_STATE_UPDATE(V0ENDTIME,V0M2,V0SIMDB,&V0S1);
ATNULL_JOBPROCESS(V0P,D0D11)
    if(D0D11<1)
    {if(D0D11 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
      fPRIORITY_INSERT(V0J1,V0S1,V0S);
    }/*FALSE*/
else{/*UPDATE_HISTORY*/
      fUPDATE_HISTORY(V0ENDTIME,V0J1,V0S1,V0S);
    }/*TRUE*/

return;
}
/* ----- end of source -----*/

```