

```
/*
```

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

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

```
: 1.6.0.0
```

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

```
OPERATION: PROCESS_QUEUE
```

```
GENERATED: Tue Aug 25 16:55:36 2015
```

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

```
*/
```

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

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

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

```
#include "EVENTS.h"
```

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

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

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

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

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

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

```
fPROCESS_QUEUE(V0SIMDB,  
               V0S)
```

```
IDECLARE_SIMDB(V0SIMDB)
```

```
ODECLARE_SIMDB(V0S)
```

```
{
```

```
        /* __LOCAL_VARIABLE_DECLARATIONS__ */
```

```
DECLARE_EVENTTYPE(V0ET)
```

```
DECLARE_AN_EVENT(V0E)
```

```
DECLARE_SIMDB(V0S0)
```

```
DECLARE_EVENTS(V0ES)
```

```
DECLARE_BOOLEAN(D0D3)
```

```

DECLARE_BOOLEAN(D0D7)
    /* __ITERATION_VARIABLE_DECLARATIONS__ */
    /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
    /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
    MOVETO_EVENTS_SIMDB(V0SIMDB,V0ES)
    ISEMPY_EVENTS(V0ES,D0D3)
        if(D0D3<1)
    {if(D0D3 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
    fSELECT_EVENT(V0SIMDB,&V0S0,&V0E);
    MOVETO_EVENTTYPE_AN_EVENT(V0E,V0ET)
    IS_JOB_EVENTTYPE(V0ET,D0D7)
        if(D0D7<1)
    {if(D0D7 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN()}
    fRELEASE_RESOURCE(V0S0,V0E,V0S);
    }/*FALSE*/
    else{/*PUT_ONTO_READYQ*/
        fPUT_ONTO_READYQ(V0S0,V0E,V0S);
    }/*TRUE*/
    }/*FALSE*/
    else{/*CLONE1_SIMDB*/
        CLONE_SIMDB(V0SIMDB,*V0S)
    }/*TRUE*/

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

```