

```
/*
```

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

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

```
: 1.6.0.0
```

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

```
OPERATION: PUT_ONTO_READYQ
```

```
GENERATED: Tue Aug 25 16:55:27 2015
```

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

```
*/
```

```
#include "READYQ.h"
```

```
#include "JOBS.h"
```

```
#include "CHAR.h"
```

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

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

```
#include "TIMES.h"
```

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

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

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

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

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

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

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

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

```
fPUT_ONTO_READYQ(V0SIMDB,V0EVENT,  
                V0S)
```

```
IDECLARE_SIMDB(V0SIMDB)
```

```
IDECLARE_AN_EVENT(V0EVENT)
```

```
ODECLARE_SIMDB(V0S)
```

```
{
```

```
    /* __LOCAL_VARIABLE_DECLARATIONS__ */
```

```

DECLARE_READYQ(V0RQ)
DECLARE_JOBS(V0RJS1)
DECLARE_CHAR(C3)
DECLARE_JOBS(V0RJS)
DECLARE_JOB(V0RJ)
DECLARE_NAT(C6)
DECLARE_READYQ(V0RQ1)
DECLARE_NAT(V0OLDPRIORITY)
DECLARE_READYQ(V0RQ0)
DECLARE_READYQ(V0RQ2)
DECLARE_NAT(V0NEWPRIORITY)
DECLARE_TIMES(V0TS1)
DECLARE_TIMES(V0TS)
DECLARE_EVENTTYPE(V0ET1)
DECLARE_JOB(V0J0)
DECLARE_EVENTTYPE(V0ET)
DECLARE_NAT(V0READYTIME)
DECLARE_JOB(V0J)
                /* __ITERATION_VARIABLE_DECLARATIONS__ */
                /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
DOT_K_CHAR('>',C3)
DOT_K_NAT(1,C6)
                /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
MOVETO_TIME_SIMDB(V0SIMDB,V0READYTIME)
MOVETO_EVENTTYPE_AN_EVENT(V0EVENT,V0ET)
GET_JOB_EVENTTYPE(V0ET,V0J0,V0ET1)
MOVETO_TIMES_JOB(V0J0,V0TS)
PUT_READY_TIMES(V0READYTIME,V0TS,V0TS1)
UPTO_JOB_TIMES(V0TS1,V0J)
MOVETO_READYQ_SIMDB(V0SIMDB,V0RQ0)
GET_PRIORITY_READYQ(V0RQ0,V0OLDPRIORITY,V0RQ1)
ADD_NAT(C6,V0OLDPRIORITY,V0NEWPRIORITY)
PUT_PRIORITY_READYQ(V0NEWPRIORITY,V0RQ1,V0RQ2)
PUT_PRIORITY_JOB(V0NEWPRIORITY,V0J,V0RJ)
MOVETO_JOBS_READYQ(V0RQ2,V0RJS)
INSERT_JOBS(C3,V0RJ,V0RJS,V0RJS1)

```

```
UPTO_READYQ_JOBS(V0RJS1,V0RQ)  
UPTO_SIMDB_READYQ(V0RQ,*V0S)
```

```
return;
```

```
}
```

```
/* ----- end of source -----*/
```