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*001-Generated C code for functional specification 'DO\_READY\_JOB'*

*VERSION: 3.2.3.9 C-RAT*

*: 1.6.0.0*

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

*OPERATION: DO\_READY\_JOB*

*GENERATED: Tue Aug 25 16:55:24 2015*

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

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#include "MACHINES.h"

#include "AN\_EVENT.h"

#include "JOB.h"

#include "NAT.h"

#include "CHAR.h"

#include "JOBS.h"

#include "MACHINE.h"

#include "EVENTS.h"

#include "BOOLEAN.h"

#include <stdio.h>

#include <math.h>

#include <errno.h>

#include "BOOLEAN.h"

#include "NAT.h"

fDO\_READY\_JOB(VOREADYJOBS,VOES0,VOMS0,  
VORJS,VOES,VOMS)

IDECLARE\_JOBS(VOREADYJOBS)

IDECLARE\_EVENTS(VOES0)

IDECLARE\_MACHINES(VOMS0)

ODECLARE\_JOBS(VORJS)

ODECLARE\_EVENTS(VOES)

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ODECLARE_MACHINES(VOMS)
{
    /* __LOCAL_VARIABLE_DECLARATIONS__ */
DECLARE_AN_EVENT(VOFME)
DECLARE_JOB(V0JOB1)
DECLARE_NAT(V0RT)
DECLARE_CHAR(C4)
DECLARE_JOBS(V0RJS1)
DECLARE_CHAR(C6)
DECLARE_JOB(V0JOB)
DECLARE_MACHINE(V0M)
DECLARE_JOB(V0J)
DECLARE_BOOLEAN(D0D4)
    /* __ITERATION_VARIABLE_DECLARATIONS__ */
    /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
DOT_K_CHAR('R',C4)
DOT_K_CHAR('L',C6)
    /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
    MOVETO_JOB_JOBS(V0READYJOBS,V0J)
    fGET_FREE_MACHINE(V0J,V0MS0,&V0M,VOMS);
    ISREJECT_MACHINE(V0M,D0D4)
        if(D0D4<1)
{if(D0D4 == REJECT_BOOLEAN) {REJECT_TEST_BOOLEAN() }
    NEXT_JOBS(C6,V0READYJOBS,V0RJS1)
    EXTRACT_JOBS(C4,V0RJS1,V0JOB,*V0RJS)
    fCOMPUTE_RUN_TIME(V0JOB,V0M,&V0RT);
    fCOMPUTE_PROCESS_TIME(V0JOB,V0RT,&V0JOB1);
    fALLOCATE_JOB(V0JOB1,V0M,&V0FME);
    fSCHEDULE_EVENT(V0RT,V0FME,V0ES0,V0ES);
}/*FALSE*/
else{/*NOMACHINEAVAILABLE*/
    CLONE_EVENTS(V0ES0,*V0ES)
    CLONE_JOBS(V0READYJOBS,*V0RJS)
}/*TRUE*/

return;

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