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/*
    001-Generated C code for functional specification 'SET_SELECT_FOR_LISTENING
    ,

    VERSION: 3.2.3.9 C-RAT
           : 1.6.0.0
    AUTHOR: Hamilton Technologies Inc. Copyright 1991-2015.
    OPERATION: SET_SELECT_FOR_LISTENING
    GENERATED: Sun Sep 13 17:45:06 2015

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

*/
#include "NAT.h"
#include "FDSETS.h"
#include "LPORT.h"
#include "FDSET.h"

#include <stdio.h>
#include <math.h>
#include <errno.h>
#include "BOOLEAN.h"
#include "NAT.h"

fSET_SELECT_FOR_LISTENING(VOLISTENON,
                          V0FDSS3,V0N)
IDECLARE_LPORT(VOLISTENON)
ODECLARE_FDSETS(V0FDSS3)
ODECLARE_NAT(V0N)
{
    /* __LOCAL_VARIABLE_DECLARATIONS__ */
    DECLARE_NAT(V0FOREVER)
    DECLARE_FDSETS(V0FDSS2)
    DECLARE_FDSETS(V0FDSS1)
    DECLARE_FDSETS(V0FDSS0)

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```

DECLARE_NAT(V0WAIT)
DECLARE_NAT(C6)
DECLARE_FDSET(V1_FDSET1)
DECLARE_FDSETS(V1_FDSETS1)
DECLARE_FDSET(V1_FDSET0)
DECLARE_FDSET(V2_FDSET1)
DECLARE_FDSETS(V2_FDSETS1)
DECLARE_FDSET(V2_FDSET0)
        /* ITERATION_VARIABLE_DECLARATIONS */
        /* CONSTANT_DECLARATIONS_AND_ASSIGNMENTS */
DOT_K_NAT(1,C6)
        /* FUNCTION_SOURCE_CODE_BEGINNING */
K_NAT(C6,V0LISTENON,V0WAIT)
fCREATE_FDSETS(V0WAIT,&V0FDSS0);
GET_READ_FDSETS(V0FDSS0,V1_FDSET0,V1_FDSETS1)
ADD_LPORT_FDSET(V0LISTENON,V1_FDSET0,V1_FDSET1)
PUT_READ_FDSETS(V1_FDSET1,V1_FDSETS1,V0FDSS1)
GET_EXCEPT_FDSETS(V0FDSS1,V2_FDSET0,V2_FDSETS1)
ADD_LPORT_FDSET(V0LISTENON,V2_FDSET0,V2_FDSET1)
PUT_EXCEPT_FDSETS(V2_FDSET1,V2_FDSETS1,V0FDSS2)
K_REJECT_NAT(V0FDSS2,V0FOREVER)
ftime_SELECT_ON_FDSETS(V0FDSS2,V0FOREVER,V0FDSS3,V0N);

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

```