

```
/*
```

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

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

```
: 1.6.0.0
```

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

```
OPERATION: SELECT_EVENT
```

```
GENERATED: Tue Aug 25 16:55:35 2015
```

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

```
*/
```

```
#include "NAT.h"  
#include "SIMDB.h"  
#include "EVENTS.h"  
#include "CHAR.h"  
#include "AN_EVENT.h"
```

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

```
fSELECT_EVENT(V0S0,  
              V0S,V0E)
```

```
IDECLARE_SIMDB(V0S0)
```

```
ODECLARE_SIMDB(V0S)
```

```
ODECLARE_AN_EVENT(V0E)
```

```
{
```

```
/* __LOCAL_VARIABLE_DECLARATIONS__ */
```

```
DECLARE_NAT(V0NEWTIME)
```

```
DECLARE_SIMDB(V0S2)
```

```
DECLARE_NAT(V0OLDTIME)
```

```
DECLARE_NAT(V0RELATIVE_TIME)
```

```

DECLARE_SIMDB(V0S1)
DECLARE_EVENTS(V0ES1)
DECLARE_CHAR(C7)
DECLARE_EVENTS(V0ES0)
DECLARE_NAT(C9)
DECLARE_EVENTS(V0ES)
      /* ITERATION_VARIABLE_DECLARATIONS */
      /* CONSTANT_DECLARATIONS_AND_ASSIGNMENTS */
DOT_K_CHAR('R',C7)
DOT_K_NAT(0,C9)
      /* FUNCTION_SOURCE_CODE_BEGINNING */
MOVETO_EVENTS_SIMDB(V0S0,V0ES)
LOCATE_EVENTS(C9,V0ES,V0ES0)
EXTRACT_EVENTS(C7,V0ES0,*V0E,V0ES1)
UPTO_SIMDB_EVENTS(V0ES1,V0S1)
MOVETO_TIME_AN_EVENT(*V0E,V0RELATIVE_TIME)
GET_TIME_SIMDB(V0S1,V0OLDTIME,V0S2)
ADD_NAT(V0RELATIVE_TIME,V0OLDTIME,V0NEWTIME)
PUT_TIME_SIMDB(V0NEWTIME,V0S2,*V0S)

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

```