

```
/*
```

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

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

```
: 1.6.0.0
```

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

```
OPERATION: MACHINE_STATE_UPDATE
```

```
GENERATED: Tue Aug 25 16:55:31 2015
```

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

```
*/
```

```
#include "MACHINES.h"
```

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

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

```
#include "MACHINE.h"
```

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

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

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

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

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

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

```
fMACHINE_STATE_UPDATE(V0TIME, V0MACHINE, V0SIMDB,  
                       V0S)
```

```
IDECLARE_NAT(V0TIME)
```

```
IDECLARE_MACHINE(V0MACHINE)
```

```
IDECLARE_SIMDB(V0SIMDB)
```

```
ODECLARE_SIMDB(V0S)
```

```
{
```

```
/* __LOCAL_VARIABLE_DECLARATIONS__ */
```

```
DECLARE_MACHINES(V0MS1)
```

```
DECLARE_CHAR(C2)
```

```
DECLARE_MACHINES(V0MS)
```

```
DECLARE_SIMDB(V0SIMDB1)
    /* __ITERATION_VARIABLE_DECLARATIONS__ */
    /* __CONSTANT_DECLARATIONS_AND_ASSIGNMENTS__ */
DOT_K_CHAR('>',C2)
    /* __FUNCTION_SOURCE_CODE_BEGINNING__ */
    CLONE_SIMDB(V0SIMDB,V0SIMDB1)
    MOVETO_MACHINES_SIMDB(V0SIMDB1,VOMS)
    INSERT_MACHINES(C2,V0MACHINE,VOMS,VOMS1)
    UPTO_SIMDB_MACHINES(VOMS1,*V0S)

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