dSpace Dymola/Block issues

we have a model named twozone\_simple in Simulink, calling a Modelica model using DymolaBlock. The “twozone\_simple” is able to simulate in Simulink using fixed step.

After we configured the model in ConfigurationDesk and tried to build application for SCALEXIO, we got the following compiling errors.

==== Starting build process ====================================================

Model code generation started for model(s): ds\_simple\_twozone...

Generating model code for model 'ds\_simple\_twozone' ...

Model code generation for model 'ds\_simple\_twozone' succeeded.

Importing model data of model 'ds\_simple\_twozone' ...

Import of model data for model 'ds\_simple\_twozone' finished.

Model code generation completed for model(s): ''ds\_simple\_twozone''

Presystem integration code generation phase started...

Checking model communication...

Presystem integration code generation phase finished.

System integration code generation phase started for application process 'ds\_simple\_twozone'...

System integration code generation phase successful for the following application process: ds\_simple\_twozone.

Make phase started for application process 'ds\_simple\_twozone'...

Making "ds\_simple\_twozone" ...

Make directory is "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\Compile"

Target compiler is "X86-GNU" at "C:\ProgramData\dSPACE\ad34425a-2298-40d1-8728-e06238c82a90\Compiler\QNX650\_520\host\win32\x86\usr"

Creating Makefiles ...

Generating dependencies in "ds\_simple\_twozone\ds\_simple\_twozone.mk" ...

Generating dependencies in "ds\_simple\_twozone.mk" ...

Making Makefile "ds\_simple\_twozone\ds\_simple\_twozone.mk" ...

Making Makefile "ds\_simple\_twozone.mk" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\rt\_nonfinite.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\dspaceexample\_s\_dy4854h2b34.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone\_dsrtmdlfcn.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone\_dsrtmf.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone\_dsrttf.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\rtGetNaN.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone\_dsrtvdf.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\rtGetInf.c" ...

Compiling "C:\PROGRA~1\MATLAB\R2020a\rtw\c\src\rt\_printf.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Components\ds\_simple\_twozone\ds\_simple\_twozone\_dsrt\ds\_simple\_twozone\_data.c" ...

Compiling "C:\PROGRA~1\MATLAB\R2020a\rtw\c\src\rt\_matrx.c" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\rtosal\_task.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\mdladapter\_mdlfunctions.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\rtosal\_taskap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\rtosal\_simengineap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\IOCode\_Data.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\dssimengine\_accesspoint\_Voltage\_Out.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\mdlCode\_ap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\data\_in\_ap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\data\_out\_ap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\fm\_entry\_ap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\fm\_exit\_ap.cpp" ...

Compiling "D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\SysIntCode\dssimengine\_accesspoint.cpp" ...

Compiling "C:\Program Files\dSPACE RCPHIL 2020-A\ConfigurationDesk\Implementation\EmbeddedSW\Src\dssimengine\_api.cpp" ...

Compiling "C:\Program Files\dSPACE RCPHIL 2020-A\ConfigurationDesk\Implementation\EmbeddedSW\Src\dssimengine\_main.cpp" ...

dspaceexample\_s\_dy4854h2b34.c:49755:25: fatal error: getTimeSpan.c: No such file or directory

compilation terminated.

### Error detected while trying to execute C:\ProgramData\dSPACE\ad34425a-2298-40d1-8728-e06238c82a90\Compiler\QNX650\_520\host\win32\x86\usr\bin\ntox86-gcc.exe in D:/github/dspace-modelica-example/dSpaceExample.

### Error Message: Compiling failed "D:\github\dspace-modelica-example\dSpaceExample\dspaceexample\_s\_dy4854h2b34.c"

### For more information, refer to D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\Compile\ds\_simple\_twozone\MakeCompile.err.

Compilation was not successful. (1)

### Error detected while trying to execute C:\Program Files\dSPACE RCPHIL 2020-A\SCALEXIO\bin\dsmake.exe in D:/github/dspace-modelica-example/dSpaceExample/FiveZoneDemo/twozone\_simple/Build/ds\_simple\_twozone/Compile/ds\_simple\_twozone.

### Error Message: Making "ds\_simple\_twozone\ds\_simple\_twozone.mk" failed

### For more information, refer to D:\github\dspace-modelica-example\dSpaceExample\FiveZoneDemo\twozone\_simple\Build\ds\_simple\_twozone\Compile\ds\_simple\_twozone\_em.err.

Compilation was not successful. (1)

The make phase failed for the following application process: ds\_simple\_twozone.

==== Build process aborted =====================================================