

## ASCET: How to create an ASCET PSL model

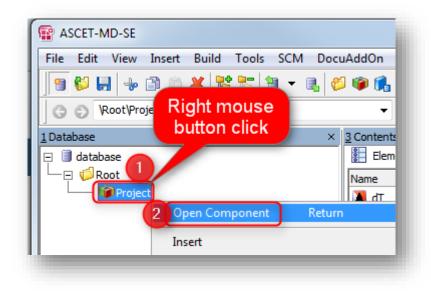


- How to create a ".dll" from a model in ASCET?
- $\circ$   $\,$  How to create a DLL from a model for ASCMO  $\,$
- $\circ$   $\:$  In MOCA I want to add an ASCET Model  $\:$
- How can I generate such an ASCET PSL model (\*.dll) file?



Answer

- This is possible via the **ASCET-PSL** Add-on
- The ASCET-PSL Add-on is an engineering solution
- Additions for the ASCET application as well as Simulink Toolbox extensions have to be installed
- Detailed instructions are available in the ASCET-PSL\_Manual.pdf
- The ASCET-PSL Add-on provides an additional target for the code generation in the ASCET application
- 1. In **ASCET**  $\rightarrow$  **Database**  $\rightarrow$  On **project**: Click right mouse button  $\rightarrow$  **Open Component**



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2. In dialog **Project Editor**  $\rightarrow$  Tool bar  $\rightarrow$  Click on **Properties** icon

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3. In dialog **Project Properties** → **Target**: Select **PC Simulation Library** 

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Project Properties	💼 Target *	PC Simulation Library		
ASAM-2MC	Edit Target Settings			
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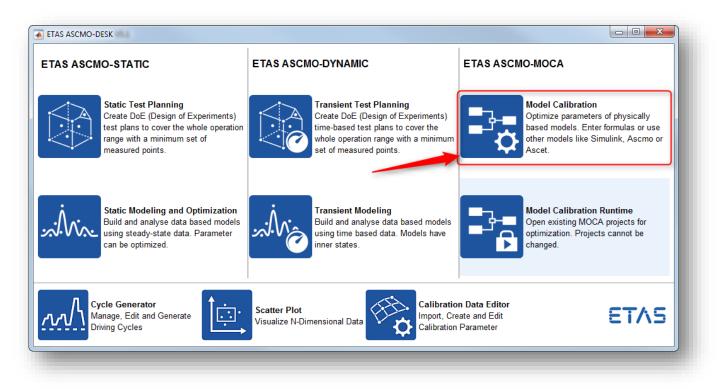
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Additional information

• How to import the ASCET PSL model (\*.dll) file into ASCMO-MOCA:

## 1. In ETAS ASCMO-DESK $\rightarrow$ Model Calibration



2. In **ETAS ASCMO MOCA**  $\rightarrow$  Click **Start MOCA** button

ETAS ASCMO MOCA		
File Plugins Help	ETAS ASCMO MOCA Model Calibration Start MOCA Demo Projects:	ΕΤΛ5
	Open MOCA Demo Project (Function) Open MOCA Demo Project (Simulink) Open MOCA Demo Project (extended Simulink) Open MOCA Demo Project (Subfunction) Open MOCA Demo Project (Neural Net) Open MOCA Demo Project (ASCET-PSL) Open MOCA Demo Project (ASCMO Model)	

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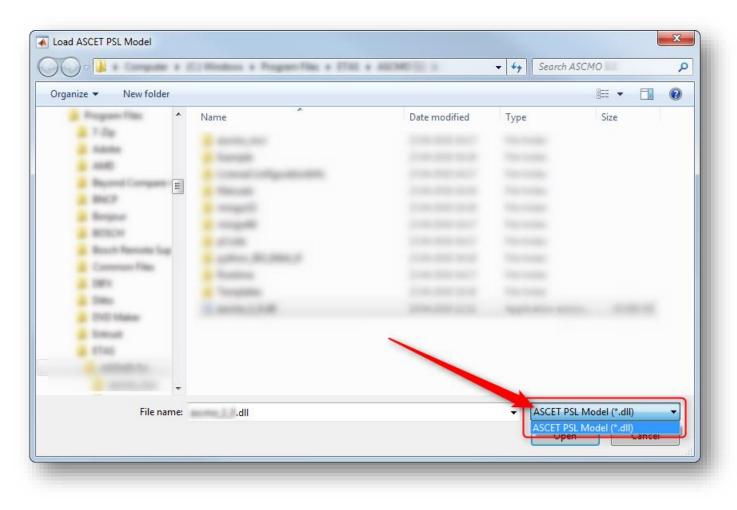
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 In ETAS ASCMO MOCA → Models → Add ASCET Model → On right hand side of field ASCET-PSL Model: Click "..." button

ETAS ASCMO MOCA File Analysis View F	Plugins Help			
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1 Models Function			Import ASCMO Model Rename	
Parameters Optimization	ASCET-PSL Model		Delete	3 Validate Ali

4. In dialog Load ASCET PSL Model: I can only choose ASCET PSL Model (\*.dll) as input file type



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