

# PA1308 Self Study Package - The Architecture Analysis and Design Language

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## Abstract

This study package provides you the necessary information to understand AADL, and to practice modeling and evaluating existing architectures.

## 1 The Architecture Analysis and Design Language (AADL)

<i>AADL introduction</i>
What is the difference between an architecture framework and an architecture description language?
<b>Hints:</b> [4] Sect. 2 and 3

<i>Modeling with AADL</i>
Read the OSATE user guide (AADLToolUserGuide1.3.0 2006-06-02.pdf, see [3]) to get familiar with the tool Follow the OSATE tutorial (Getting Started with AADL.Text.Editing.Nov2007.pdf, see [3]) Read the Practitioners' guide (ControlSystem07tr014.pdf, see [3]) Read the flow and latency analysis report (FlowLatency2007-TN-010_82007.pdf, see [3])
<b>Hints:</b> [1, 2]

## References

- [1] AADL | tool integrators | Toolsets | OSATE | downloads.  
<http://www.aadl.info/aadl/currentsite/tool/osate-down.html>, 2012.
- [2] AADL predictable model-based engineering. <http://www.aadl.info/aadl/currentsite/>, 2012.
- [3] AadlStarterKit.zip. <http://aadl.sei.cmu.edu/aadl/downloads/AadlStarterKit.zip>, 2012.

- [4] Library | the architecture analysis & design language (AADL): an introduction.  
<http://www.sei.cmu.edu/library/abstracts/reports/06tn011.cfm>, 2012.