

Feburary 2011 Design Kit Development

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Intel@ Math Kernel Library, http://www.intel.com/software/products/mkl

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Advanced Design System 2011.01 - Design Kit Development	
About Design Kit Development	7

## About Design Kit Development

Advanced Design System (ADS) from Agilent Technologies is a tool used by engineers for various design applications, such as RFIC, System, MMIC, Hybrid or Board level design. To effectively use the design environment and take advantage of its powerful simulation capabilities, designers must have a library of components that are linked to model files or simulation data.

For IC designers, the components and models are typically distributed by a foundry in the form of a design kit. A unique design kit is created for each process and each CAD tool. This kit is given to the foundry customer to use when designing their circuit. To help IC designers become more successful with our electronic design automation (EDA) software, Agilent Technologies is working with popular foundries to provide ADS components and translated model files for distribution by the foundry to the IC designer. Many customers are also creating design kits themselves.

Design kits in ADS are not only beneficial to IC designers. This library structure can also be used for any technology or process to package and distribute a reusable set of components. With the information provided in this document, design kits for use in ADS can now be created by anyone.



## 1 Note

The design kits or Process Design Kits (PDKs) are not developed in ADS 2011, you must use ADS 2009 Update 1 to develop a new design kit and then upgrade the created design kit to ADS 2011 compatible format.

For more information on developing a new design kit using ADS 2009 Update 1 see Design Kit Development and for upgrading it to ADS 2011 compatible format, see ADS 2011 PDK Upgrade (oagkref).