

## PDK summary

**PDK ID:** Simucad Radiofrequency Demo  
**PDK version:** 1.1.4.R  
**PDK release date:** 9/18/2008  
**Fab/Foundry name:** Simucad Demo  
**Technology name:** -

### (1) Certified Simucad EDA tool versions for this PDK version:

Gateway 2.6.7.R  
 SmartSpice 3.8.4.R  
 SmartSpiceRF 1.2.3.R  
 Expert 4.4.16.R  
 Guardian 4.4.15.R  
 HIPEX 3.2.7.R  
 SmartView 2.20.6.R

### (2) Important procedures for PDK version migration:

1. **EXPERT - LOADING EXISTING PROJECT (.eld file) with NEW TECHNOLOGY (.tcn file):** Please use the new technology (.tcn) file included in this version of PDK when opening existing projects (.eld) at the first time with this version of PDK, to update technology setting. Please make sure that you have backup of project files before doing this procedure. To enable to select a technology (.tcn) file in “Load Project” window, it is necessary to select (check) options “Use external technology file for eld projects” and “Identify layers by name” in “Preferences” window (Menu: Setup→Technology→General). Please refer to Expert manual “4.2.1: Technology File Selection” for more detail.
2. **SYMBOLS (.body file)** – Update to new symbols (.body): Please update your schematics to the latest workspace (simucad-radiofrequency-demo\_sbcd.sws).

### (3) Changes for this PDK version (see below list for change code legends) :

1. Pcells (IND and PIPCAP), modifications in NDL and Extraction/LVS.
2. change in model file SBCD\_rf.lib

## **Change Codes**

### **Affected Tool Functions:**

Code A: Gateway - Schematic Edit  
Code B: Gateway - Spice Net Generation  
Code C: Gateway - LVS Net Generation  
Code D: Gateway - NDL Net Generation  
Code E: Gateway/SmartSpice - Spice Simulation  
Code F: Gateway/SmartView - Wave View  
Code G: Expert - Layout Edit  
Code H: Expert - Pcells  
Code I: Expert - NDL  
Code J: Expert/Guardian DRC - DRC  
Code K: Expert/Guardian NET - Net extraction  
Code L: Expert/Guardian LVS - LVS  
Code M: Expert/Hipex RC - RC extraction  
Code Z: Others

### **Change Reasons:**

Code 1: Bug fix  
Code 2: Fab/Foundry file update  
Code 3: Function improvement  
Code 9: Others