

## Notice in Usage of This Reference Flow

Dear Valued Customer,

Due to tool revision, UMC will no longer maintain this flow.

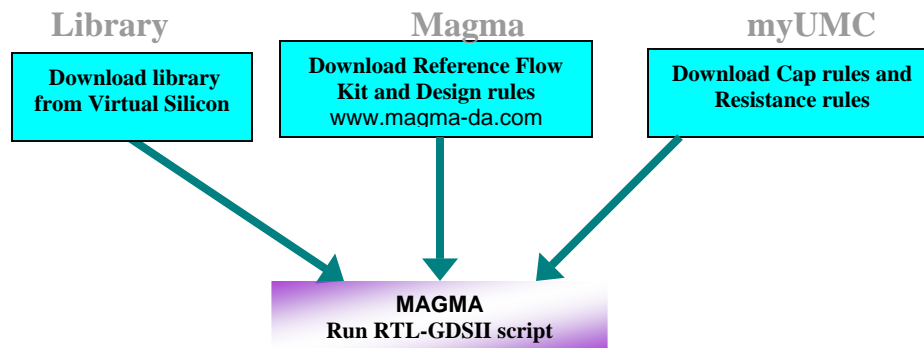
Customer may still download the datasheet and workbook from UMC website for references, but UMC will not provide the databases or scripts mentioned in above documents.

For tool usage issues in the flow, customers may contact local application engineers of related EDA vendors. Magma customers may visit the following website for more information <http://www.magma-da.com/Partners/FoundryPartners.aspx#UMC>

Thanks for your kind understanding.

UMC Reference Flow Development Team

- Magma UMC design kit consists of:
  1. Capacitance and resistance rules for 0.13u and 0.18u, downloadable from <http://my.umc.com> website
  2. Design, antenna and EM rules for 0.13u and 0.18u, can be requested from Magma web site, [www.magma-da.com](http://www.magma-da.com), Foundry Partners page
  3. Reference flow kit for 0.13u and 0.18u, downloadable from Magma web site, [www.magma-da.com](http://www.magma-da.com), Foundry Partners page
  4. In addition, 90nm rules are available on request from UMC
- Reference Methodology Guide:
  - The Reference Methodology Guide describes key Magma technologies and reference flow in detail. The reference flow is built using Virtual Silicon libraries in both 0.18u and 0.13u technologies.
  - To run the reference flow, follow these three simple steps:



Step 1: Download UMC Reference Flow Kit from Magma web site, [www.magma-da.com](http://www.magma-da.com), Foundry Partners page. The reference flow kit contains scripts, RTL netlist, constraints, floorplan and a readme file that explains how to run the flow.

Step 2: Request design rules from Magma web site.

Step 3: Download 0.13u/0.18u standard cell library from Virtual Silicon web site (Although this flow is built using Virtual Silicon standard cell library, the scripts are quite generic and can be used with a different library.)

Step 4: Download Magma cap rules from UMC web site.