# TN28HPCPlus on EDA Cloud 2.0 (1/4)

## How to access TN28HPCPlus design collaterals?

- **All TN28HPCPlus design collaterals are in the path:**
  - **/process/TN28HPCplus/IP** # for Cell-Based Design Kits
  - **/process/TN28HPCplus/TECH** # for Full-Custom Design Flow

- **TSRI provides both cadence, and synopsys platforms of TN28HPCPlus iPDK. iPDK path:**
  - **/process/TN28HPCplus/TECH/PDK/iPDK_CDNS** # for cadence-virtuoso platform
  - **/process/TN28HPCplus/TECH/PDK/iPDK_SNPS** # for synopsys-customcompiler/Laker platform

# TN28HPCPlus on EDA Cloud 2.0 (2/4)

NARLabs

- **How to invoke EDA tool, for example HSPICE?**
  - **You must first "source" the cshell file(*.csh) of the eda tool you want to use.**
    - For example, if you want to use HSPICE, you must first to source "hspice.csh".
      - Step1. open a terminal
      - Step2. type source /cad/synopsys/CIC/hspice.csh
  - **You can find all EDA Tool cshell files in the path:**

    **/cad/<vendor>/CIC/<toolname>.csh**

    - For example:
      - source /cad/synopsys/CIC/hspice.csh # for using HSPICE
      - source /cad/cadence/CIC/IC6.csh # for using IC6.1
  - **Here is also an example cshell for your reference:**
    - source /process/TN28HPCPlus/TECH/1_TSRI/PDK/tn28hpcplus.cshrc

# TN28HPCPlus on EDA Cloud 2.0 (3/4)

## How many EDA tools on EDA Cloud 2.0?

- **You can find all EDA Tools in following path:**

  **/cad/<vendor>/<tool>/cur  # link to default version**

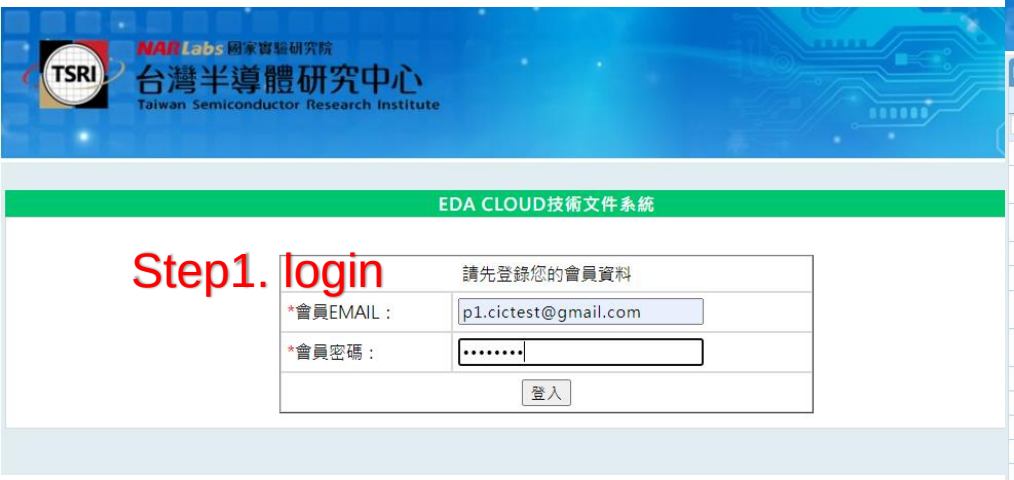
  - For example:
    - /cad /cadence/IC/cur -> IC_23.10.030
    - /cad /synopsys/hspice/cur -> v2023.03

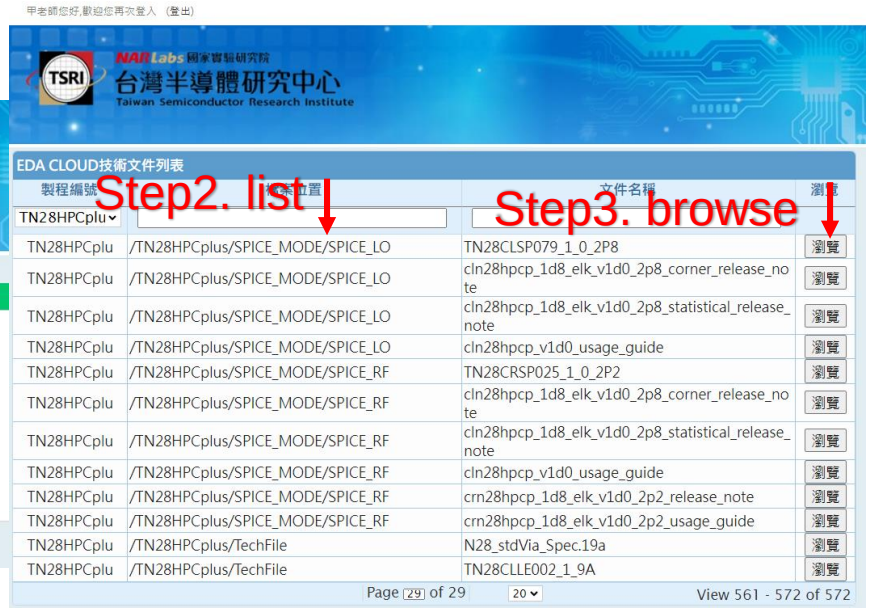
- **If you can't find the EDA tool/version you need, please make a request via TSRI Custom Consulting System.**

# TN28HPCPlus on EDA Cloud 2.0 (4/4)

- **How to access TN28HPCPlus document(PDF)?**
  - **All documents(PDF) are stamped with watermark, and only read via browser(firefox).**

**http://140.126.24.97/ecbs/edaCloud/init.action**



# Apply Chip Implementation Service

- **How to submit your GDS via TSRI “Tape-out Application”**
  - **You can upload your gds file via browser(firefox) on EDA Cloud 2.0**

**http:// ecbs.tsri.org.tw/ecbs**

# Submit GDS on EDA Cloud 2.0

NARLabs

- **How to submit your GDS via TSRI “Tape-out Application”**
  - **Following instruction, upload GDS, DRC result, and LVS result.**
  - **Both design-content, and TRF can be upload from your school/lab.**

Step 4-1: 點選上傳檔案，開啟上傳檔案視窗，上傳設計資料等所需檔案。

上傳檔案列表：

| 檔案類型 | 格式說明 | 檔案名稱 | 上傳時間 | 檔案大小(kb) | 檔案是否已上傳 | 上傳檔案 |
|---|---|---|---|---|---|---|
| 佈局圖檔 | 佈局圖檔(*.gds 或*.db) | test1.gds | 2024/01/22 10:51:36 | 1503.232 | 已上傳檔案 | 上傳檔案 |
| 設計內容 | 設定內容格式 (*.doc、*.docx 或 *.docm) | NONE | NONE | NONE | 尚未上傳檔案 | 上傳檔案 |
| DRC結果 | DRC結果檔格式 (*.drc.summary 或*.rep) | NONE | NONE | NONE | 尚未上傳檔案 | 上傳檔案 |
| LVS結果 | LVS結果檔格式 (*.lvs.report 或*.rep) | NONE | NONE | NONE | 尚未上傳檔案 | 上傳檔案 |
| TRF文件 | 上傳TRF文件檔 (TRF.doc、TRF.docx、TRF.docm、trf.doc、trf.docx 或trf.docm) | NONE | NONE | NONE | 尚未上傳檔案 | 上傳檔案 |

# TN28HPCplus DRC "HARD RULE"

- **Your Layout(GDS) must be DRC CLEAN before tape-out.**
  - **These following are "HARD RULE", and can't be waived for any purpose.**
  - **TSMC has authority to reject any un-clarified DRC fail devices on tape-in date to guard the quality.**

**PO.W.2;**
**PO.S.45;**
**PO.S.12;**
**PO.DN.2;**
**PO.DN.3;**
**PO.DN.3.1;**
**PO.DN.4**

**OD.DN.3;**
**OD.DN.3.1;**
**AP.W.5;**
**AP.S.1;**