



GSA BoF Meeting @ DAC 2010:

Si2 Status

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Interoperability – Standards – Collaborative Technology

Innovation Through Collaboration

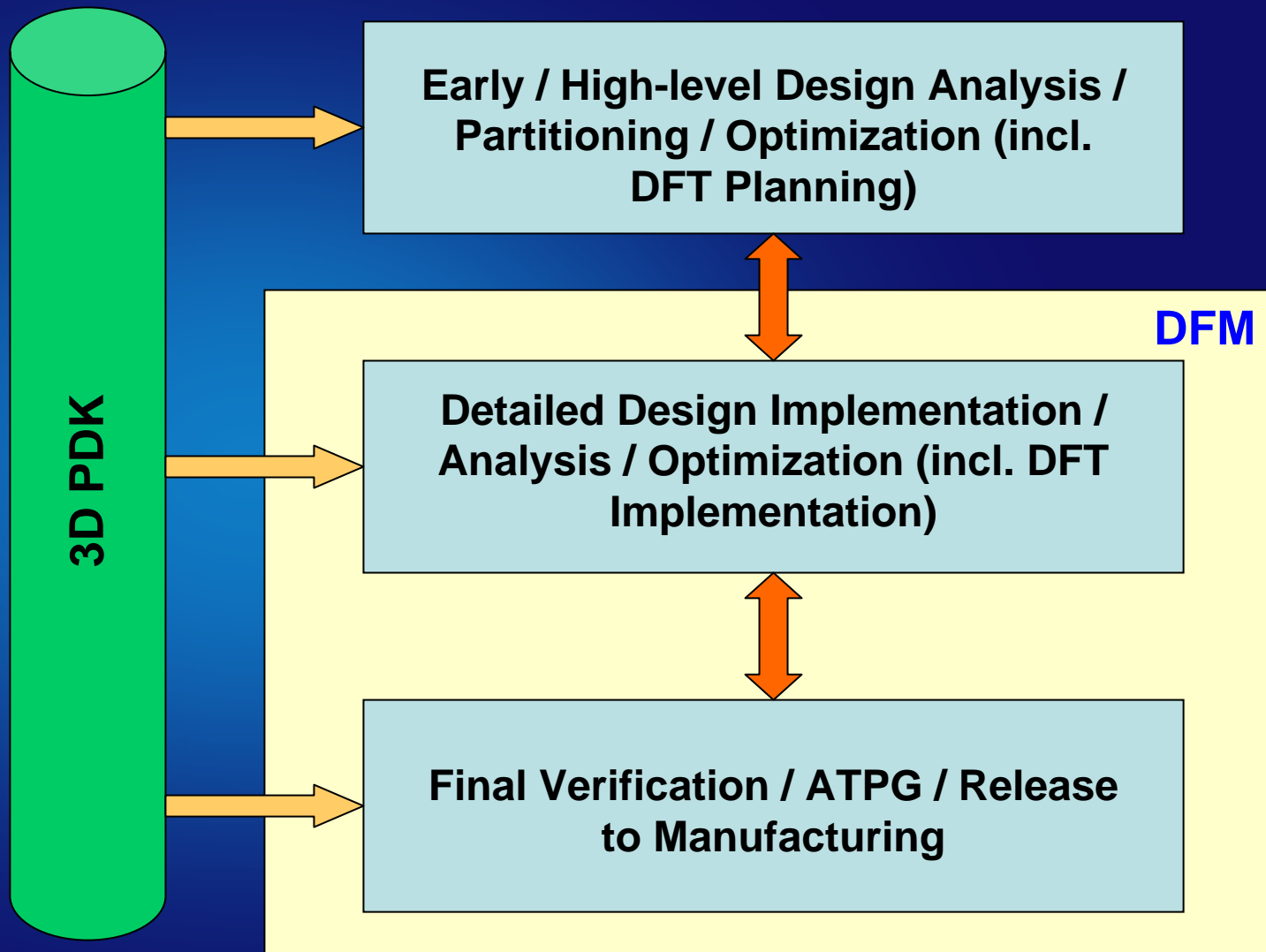


2009 News

- **3D Design Flow TAB approved by Si2 BoD**
- **3D Design Flow Standards Workshop held 10/2009 jointly with GSA**
- **Focus areas defined at workshop:**
 - Dictionary of common terms
 - TSV modeling for all required views and design steps
 - Infrastructure update, including API's, databases, input/output formats
 - New standard interfaces to link to thermal/mechanical stress engines
 - New standard for expressing thermal constraints
 - Interface standards to represent both homogeneous and heterogeneous 3D chips to package design systems
 - Extend existing standards, e.g., JTAG, STIL, etc., for DFT, ATPG and test



3D 3-Box Model



2010 News

- **TAB put on hold to provide greater emphasis to OpenPDK project**
 - 3D has dependency on this project
- **Plan to re-start TAB late 3Q2010**
 - Need existing / new members to step forward to participate / lead
 - Start first projects to evaluate greater stakeholder buy-in
 - Defer decision on expanding to coalition to 2Q2011