Siemens IBIS group
Introduction

The SIEMENS IBIS GROUP is formed by members of different Siemens divisions. This group has defined a **common quality level for ibis models** which is **required** by all SIEMENS divisions.

SIEMENS design flows include the **board/system simulation** as a **main topic** to support **design to cost** and **time to market** initiatives. The quality of the used models primarily determines the simulation results.

In this light of responsibility we expect from our IC vendors **high IBIS model availability** and as well as **advanced IBIS modelling know how**
Members

- Fujitsu Siemens Comp
- SV (VDO)
- PSE
- Infineon
- Med

Central technologies
Communication
Industrial Solutions and Services
Automation and Drives
Transportation Systems
Medical Solutions

SIEMENS

E.Lenski / Com SC SL CE23
IBIS Summit
DATE 2005
11. March 2005
Goals of Siemens IBIS Group

Setup of requirements
With explanations how to get these keywords/parameters

IBIS quality checklist
In use for model check

Information interchange in Siemens
Don’t check the models twice
Use different SI-tools, but the same IBIS-models
Model / vendor experiences
Siemens requirements

- We expect that a model request is answered at least after 2 working days (receipt of model request)
- The model has to be delivered within 2 weeks
- Questions regarding the model should be answered within 1 week
- For each Product Change Notification (PCN) it must be stated whether a new model release is necessary
- For new die-shrinks new models have to be delivered
- Special models for different process/voltage/temperature settings (PVT) should also be delivered on request
IBIS requirements

- Following keywords and parameters which are optional in the IBIS-specification have to be supplied, according to technology specification:
  - Waveforms
  - Overshoot parameters
  - Package-information for each pin of the device

- Typ / Min / Max values for all entries are mandatory. The relation min < typ < max has to be satisfied as it is stated in the IBIS-specification.

- IBIS data have to reflect closely the content of the corresponding data book entries.

- All delivered IBIS models have to fulfill at least quality level1 as described by the IBIS quality specification. ➔ more Info on www.sisoft.com/ibis-quality