



# Assure Model Quality

**JEDA Technologies**  
**February, 2008**



# The Obvious Requirements for Virtual Platform Applications

- High simulation performance
- High quality models
- Advanced, easy-to-use debugging
- Analysis automation

# What's the Reality for a User?

- More time on running target application or debugging the model or platform ?
- Users are debugging the models, the interactions between models ?

# How to Quantify and Measure?

- High simulation performance
- **High quality models**
- **Advanced, easy-to-use debugging**
- **Analysis automation**

# What should you demand from a Model/VP Provider

- Quantitative model testing matrix
- Model built-in correctness checking
  - ▶ I should turn on/off at system level
  - ▶ I didn't write the model, why should I debug it?
  - ▶ How can I find out certain actions took place in the model?
- Simulation coverage measurement automation
  - ▶ Have I created all scenario's ?
  - ▶ How can I analyze specific conditions?
- Intelligent stimulus generation



# JEDA Products

- Measure/Check model quality
- Reusable at platform level
- High quality, less end user pain
- Supports TLM2!