**AMI Check List**

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Revision history:

08/16/11 Categorized Section 7.0, “Table of Requirements,” from “Opal: Best Practices for IBIS-AMI Modeling,” SiSoft, June 15, 2010.

08/29/11 added some comments and more points , eckhard lenski

1. **Syntax Checks**
   1. Parameter names in model same as model names in .ami file
   2. Labels consistent with List
   3. All parameters in dependency table declared before table
   4. Column header and all rows in dependency table have same length
   5. Dependency row value type convertible to all column types
   6. Fully IBIS compliant analog model available
2. **Usage Checks**
   1. All files distributed in a single archive
   2. Model installation directory independent of execution directory
   3. Support Windows and Linux
   4. Multiple instances of one model in one simulation/analysis
   5. Multiple instance of multiple models in one simulation/analysis
   6. Multiple simultaneous simulations/analyses
   7. Unrecognized parameters do not cause failure
   8. Useful parameter Description  
      The Description branch of a parameter is optional. However, it is very important for users to fully understand each parameter. Descriptions should be present and written to be as informative as possible.
3. **Accuracy Checks**
   1. Model correlated to another behavior description
   2. Correlation conditions defined
   3. Correlation method defined
   4. Correlation criteria defined
   5. Package models not counted twice
4. **Documentation Checks**
   1. Minimum documentation requirements
   2. S parameter file ports and organization
   3. Node map consistent with S parameter file
   4. overview table init&getwave
   5. information about datarate delivered
   6. Info, which other software is needed
5. **Completeness** **Checks**
   1. package model delivered for TX as sNp
   2. package model delivered for RX as sNp
   3. ibis ami TX delivered with dll & ami
   4. ibis ami RX delivered with dll & ami
   5. ibis classic model delivered ( refer to Syntax point 8)