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BIRD ID#:         TBD
ISSUE TITLE:      IBIS-AMI New Reserved Parameter AMI_Version
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DATE REVISED:
DATE ACCEPTED BY IBIS OPEN FORUM:

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STATEMENT OF THE ISSUE:

It is necessary that any software tool that uses an AMI model know the
revision level of the AMI modeling language that the model is designed
to support.  The current release of IBIS (v5.0) includes features in AMI
modeling that are either removed or deprecated, and in some cases the
syntax of the language has been modified.  Since IBIS requires that any
IBIS file compliant with a specific release of IBIS must also be compliant
with any future release of IBIS, the AMI model itself needs to be able to
tell the software tool whether it was written to the initial IBIS v5.0
standard or some later standard.

This BIRD proposes a new Reserved Parameter called "AMI_Version".  This
parameter will be required for any AMI model that is written according
to any standard that supercedes IBIS v5.0.

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STATEMENT OF THE RESOLVED SPECIFICATIONS:


On pg. 144 add the following lines before "Init_Returns_Impulse:"

|*            AMI_Version:
|*
|*            AMI_Version is an AMI parameter of format Value, Type
|*            String and Usage Info that specifies the version of the
|*            AMI modeling language.
|*
|*            This parameter is required in the .ami parameter files of
|*            AMI models which are written in compliance with the IBIS
|*            v5.1 or later specification(s), but it is not allowed in
|*            the .ami parameter files of AMI models which are written
|*            in compliance with the IBIS v5.0 specification.  When
|*            required, this parameter must be the first parameter
|*            defined in the Reserved_Parameter branch of the .ami file.
|*            The value of this parameter shall be "5.1" for AMI models
|*            written in compliance with the IBIS v5.1 specification, and
|*            the absence of AMI_version indicates that the AMI model was
|*            written in compliance with the IBIS v5.0 specification.
|*
|*            The version numbers of .ibs files and AMI models do not have
|*            to match.  Newer .ibs files may reference older AMI models,
|*            but AMI models are not allowed to have newer version numbers
|*            than the .ibs files which references them.  The EDA tool is
|*            expected to execute the AMI model according to the rules of
|*            the specification which corresponds to its version number.
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ANALYSIS PATH/DATA THAT LED TO SPECIFICATION

The parameter defined in this BIRD will permit AMI model developers to
programmatically indicate the version of AMI modeling that is supported
by this model.

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ANY OTHER BACKGROUND INFORMATION:

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