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BIRD ID#:
ISSUE TITLE:     IBIS-AMI Definition Clarifications
REQUESTER:       Arpad Muranyi, Mentor Graphics, Inc.
DATE SUBMITTED:
DATE REVISED:
DATE ACCEPTED BY IBIS OPEN FORUM:

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STATEMENT OF THE ISSUE:

Section 6c of the IBIS v5.0 specification does not define several items
which leaves the parser developer, EDA vendor and model maker with
unanswered questions.

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Remove the following text from the beginning of the "DEFINITIONS" section
on pg. 140:

| DEFINITIONS:
|
| The following 'Usage, Type Format and Default definitions are used
| throughout the following sections.


Add to the beginning of the "DEFINITIONS" section the following text on
pg. 140:

| DEFINITIONS:
|
| The information provided in this section is applicable to the content of
| the parameter definition file (.ami).
|
| The content of the parameter definition file (.ami) is cases sensitive.
|
| Only the pipe ("|") character is acceptable as a comment character
| regardless of what the calling IBIS file uses for the comment character.
|
| The line length of the parameter definition file (.ami) is not limited
| to a specific number of characters, except for the Description string
| which may only have up to 120 characters per line.  (The Description
| string can span multiple lines).
===============================================================================
   IS THERE A LIMIT TO THE NUMBER OF LINES???
===============================================================================
|
| The first token in the file may contain an arbitrary string and does not
| need to match the file name.
|
| A white space in the parameter definition file (.ami) may be one or more
| space, tab, and/or line termination character.  No attempt needs to be
| made to be consistent with .IBS files in this regard.
|
| Integers are numbers which are written without a fractional or decimal
| component, and fall within the set {... -2, -1, 0, 1, 2, ...}.  For
| example, 65, 7, and ?756 are integers; 1.6 and 1½ are not integers.
|
| Float are numbers which cannot be represented as integers.  Float numbers
```

| are in general represented by a floating point number that may be scaled
| using a decimal exponent. A floating point number is represented by the
| significant digits, and optionally a sign and decimal point. For example,
| -1.23e-3, 123e-3, 1.23 are all of type float.
|
| String is a sequence of characters enclosed in double quotes ("). No
| double quotes are allowed inside the string literals.
|
==
From Walter:
==
| String is a token that can be a any sequence of characters. If a string
| contains white space it must be enclosed in double quotes ("). No double
| quotes are allowed inside the string literals.
==
|
| Scaling factors or suffixes, such as p, n, etc... are not permitted in
| the parameter definition file (.ami). Scientific and floating point
| notation is permitted.

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ANALYSIS PATH/DATA THAT LED TO SPECIFICATION

Most of these questions were raised by the IBIS v5.0 parser's developer
during the development of the parser, but other discussions in the IBIS-ATM
Task Group revealed additional questions and issues. The solutions were
defined during the IBIS v5.0 parser developement project and in subsequent
IBIS-ATM meetings.

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ANY OTHER BACKGROUND INFORMATION:

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