

BIRD ID#: 114
ISSUE TITLE: IBIS-AMI Definition Clarifications
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DATE SUBMITTED: August 24, 2010
DATE REVISED:
DATE ACCEPTED BY IBIS OPEN FORUM:

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.

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 and RULES:

The information provided in this section is applicable to the content of the parameter definition file (.ami). Note that the rules described below deviate from the rules for .ibs files.

The content of the parameter definition file (.ami) is case 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. The Description string may span multiple lines. It is recommended that the text contained in the Description string should not exceed 120 characters per line.

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 characters.

Integers are numbers which are written without a fractional or decimal component, and fall within -2147483648 and 2147483647. For example, 65, 7, and -756, 123e3 are integers, 1.6, 123e99 are not 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, 1 are all of type float.

String is a sequence of characters 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.

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 development project and in subsequent IBIS-ATM meetings.

ANY OTHER BACKGROUND INFORMATION:

An Adobe PDF version is available at:

<http://www.eda.org/ibis/birds/bird114/bird114.pdf>
