```
********************************************************************************
********************************************************************************

BIRD ID#:        ?
ISSUE TITLE:     IBIS-AMI Keyword Labels Clarification
REQUESTER:       Walter Katz, Signal Integrity Software, Inc.
DATE SUBMITTED: August 31, 2010
DATE REVISED:
DATE ACCEPTED BY IBIS OPEN FORUM:

********************************************************************************
********************************************************************************


STATEMENT OF THE ISSUE:

In the Section 6c, "ALGORITHMIC MODELING INTERFACE (AMI )", the branch
"Labels" is used to assign names to columns in a "Table".

The suggestion is to use "Labels" in a similar way to assign names to entries
in a "List".

The existing IBIS AMI Check program does not flag as an error or warning when
"Labels" are included in this way in a "List" branch.

An example of using Labels

(Process (Usage In) (Type Integer)
        (List -2 -1 0 1 2)
        (Labels "X Slow" "Slow" "Typ" "Fast" "X Fast")
   (Description "Process corner used in the algorithmic model")
)


********************************************************************************


Replace this text:

|   Format: (default is range)
|      Value <value> Single value data
|      Range <typ value> <min value> <max value>
|      List <typ value> <value> <value> <value> ... <value>
|      Corner <typ value> <slow value> <fast value>
|      Increment <typ> <min> <max> <delta>
|                After expansion, the allowed values of the parameter are
|                typ+N*delta where N is any positive or negative integer
|                value such that: min <= typ + N*delta <= max
|      Steps <typ> <min> <max> <# steps>
|                Treat exactly like Increment with
|                <delta> == (<max>-<min>)/<# steps>
|      Table The parameter name "Table" names a branch of the parameter
|                tree rather than a single leaf. One of the leaves of this
|                branch can be named "Labels" and, if provided, is to be
|                assigned a string value containing a list of column names.
```

```
             --------------

With the following text with changes noted by "|*"  lines:

|    Format: (default is range)
|      Value <value> Single value data
|      Range <typ value> <min value> <max value>
|      List <typ value> <value> <value> <value> ... <value>
|*             One of the leaves of branch containing this List can be
|*             named "Labels" and, if provided, is to be assigned a string
|*             value containing a list of List entry names. The number of
|*             entries in Labels must be the same as the number of entries
|*             in the List.
|      Corner <typ value> <slow value> <fast value>
|      Increment <typ> <min> <max> <delta>
|              After expansion, the allowed values of the parameter are
|              typ+N*delta where N is any positive or negative integer
|              value such that: min <= typ + N*delta <= max
|      Steps <typ> <min> <max> <# steps>
|              Treat exactly like Increment with
|              <delta> == (<max>-<min>)/<# steps>
|      Table The parameter name "Table" names a branch of the parameter
|              tree rather than a single leaf. One of the leaves of this
|              branch can be named "Labels" and, if provided, is to be
|              assigned a string value containing a list of column names.


****************************************************************************

ANALYSIS PATH/DATA THAT LED TO SPECIFICATION


****************************************************************************

ANY OTHER BACKGROUND INFORMATION:


****************************************************************************
```