**BUFFER ISSUE RESOLUTION DOCUMENT (BIRD)**

**ISSUE TITLE:** Using IBIS-AMI Leaf Labels in List Parameters

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**DATE SUBMITTED:** *{date you sent the document}*

**ANALYSIS PATH/DATA THAT LED TO SPECIFICATION:**

In the Section 10A, "AMI Parameter Definition File Structure ", 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". Values in a List often are numbers that do not help the User identify the meaning of each List value. The EDA Tool may use the value of each Labels field as a Tool Tip for each value in the List, or the User may select a value from the List by selecting from a list of Labels.

An example of using Labels

(Process (Usage In) (Type Integer)(

 (List –2 –1 0 1 2)(Default 0)

 (Labels “X Slow” “Slow” “Typ” “Fast” “X Fast”)

 (Description “Process corner used in the algorithmic model”)

)

**ANY OTHER BACKGROUND INFORMATION:**

{*These documents will be archived, so use this section to add any detail that is not part of the section above or the changed text itself , but should not be lost.}*

Replace this following text

**List** <default value> <value> <value> <value> ... <value>

This defines a discrete set of values from which the user may select one value

With

**List** <default value> <value> <value> <value> ... <value>

This defines a discrete set of values from which the user may select one value.

**Labels** is an optional leaf within **List** parameters and it is followed by a String entry for each entry in the **List**. The number of entries in **Labels** must be the same as the number of entries in **List**. The nth entry in **Lables** shall correspond to the nth entry in **List**. Quoted null entries are not permitted. All entries in **Labels** shall be unique, except that if two entries in **List** are the same, then the corresponding **Labels** entries must also be the same.

(Labels <"label1"> <"label2"> <"label3"> ...)

Example:

(Strength (Usage In) (Type Integer)(Description “Strength of Driver”)

(List 0 1 2 3 4)(Default 2)

(Labels “Extra Weak” “Weak” “Nominal” “Strong” “Extra Strong”))