

ParameterTreeKeyword_BIRD_draft2.txt

BIRD ID#: ???
ISSUE TITLE: Parameter Tree Keyword
REQUESTER: Arpad Muranyi, Mentor Graphics
DATE SUBMITTED: June ???
DATE ACCEPTED BY IBIS OPEN FORUM: ???

STATEMENT OF THE ISSUE:

BIRD 117 and 118 introduces the concept of including Parameter Trees in .ibs files. In order to mark the beginning and end of these Parameter Trees, a new keyword pair is needed.

STATEMENT OF THE RESOLVED SPECIFICATIONS:

Two new keywords shall be added to the IBIS specification, called [Begin Parameter Trees] and [End Parameter Trees].

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| Keyword: [Begin Parameter Trees] and [End Parameter Trees]
| Required: No.
| Description: Used to identify the beginning and end of parameter trees in .ibs files.
| Sub-Params: None.
| Usage Rules: These keywords are scoped at the top keyword hierarchy level, the same level as the [Component] keyword, so that any keyword in an IBIS file may have access to the parameter trees enclosed within them.

| Only one [Begin Parameter Trees] and [End Parameter Trees] keyword pair may exist in any .ibs file. The [Begin Parameter Trees] and [End Parameter Trees] keyword pair may be placed before the first [Component] or before the [End] keyword.

| Any number of parameter trees may be placed between the [Begin Parameter Trees] and [End Parameter Trees] keywords. The syntax of the parameter trees enclosed by these keywords must follow the rules of the tree syntax described in Section ??? of this specification.

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[Begin Parameter Trees]
(TreeRootName
 (Description "Converter_Parameters illustration")

 (Model_Specific
 (TstoneFile (Usage In)(List "Typ.s4p" "Min.s4p" "Max.s4p")(Type String)
 (Vinh (Usage In)(List 0.8 0.7 0.9)(Type Float)
 (Vinl (Usage In)(List 0.2 0.1 0.3)(Type Float)
 (R1 (Usage In)(Range 50 45 55)(Type Float)

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  (Trf (Usage In) (Value 10.0e-12) (Type Float))
) | End Model_Specific
)
[End Parameter Trees]
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ANALYSIS PATH/DATA THAT LED TO SPECIFICATION:

ANY OTHER BACKGROUND INFORMATION:
