

ParameterTreeKeyword\_BIRD\_draft1.txt

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

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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.

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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 select identify the beginning and end of parameter trees in .ibs files.  
| Sub-Params: None.  
| Usage Rules: These keywords are scoped above the Component level, so that any component in an .ibs 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)  
    (Trf (Usage In)(Value 10.0e-12)(Type Float))

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) | End Model\_Specific

)

[End Parameter Trees]

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ANALYSIS PATH/DATA THAT LED TO SPECIFICATION:

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ANY OTHER BACKGROUND INFORMATION:

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