

## **Configuration Correctness Checks**

The truth of the conditions below stands for correctness.

### **Interfaces**

Interface contains no duplicate definitions of the same type.  
Interface contains no duplicate definitions of the same format.  
Basic interface exists.  
Interface and its basic interface constitute no inheritance loop.  
Interface contains no definitions of formats defined in the basic interface.  
Interface contains no definitions of types defined in the basic interface.

### **Contexts: installation, project, package, tool**

Context's interface exists.  
Parameter referenced in the input section is defined.  
No duplicate parameters references in the input section.  
All contexts, except of a Tool, do not contain control lines with command line destination in their output sections.  
Context Installation is specified not more than once.  
Menu specified in a Project context exists or is not specified.  
Package specified in a Project context exists or is not specified.

### **Tools**

Basic tool of a tool exists or is not specified.  
Tool and its basic tool constitute no inheritance loop.  
The interface of the tool's basic tool is identical to the tool's interface or is basic for it.  
The utility's package exists.  
The interface of the tool's Package context is identical to the tool's interface or is basic for it.  
The interface of the tool's Project context is identical to the tool's interface or is basic for it.  
Package contexts of the tool and of its Project context (if specified) are the same.

### **Parameters**

Context, containing the parameter's definition, exists.  
Parameter's type is defined in the interface of the using context.  
Parameter's format is defined in the interface of the using context.

### **Menus**

Basic menu of a menu exists or is not specified.  
Menu and its basic menu constitute no inheritance loop.

Basic menu cannot be a parent menu.

The “after” attribute of a redefined menu element references an existing element of the basic menu or is not specified.

The “after” attribute of a redefined menu element does not reference this element itself.

Menu contains no elements with identical names.

The tool referenced from a leaf menu element exists.