

Modify the text in section 22.13 Enhancements to Verilog system tasks

- `$display`, `$write`, `$fdisplay`, `$fwrite`, `$swrite`, and their variants
 - The format arguments to these tasks must be string literals, i.e., they cannot be expressions of **string** data type. The only exception is `$$sformat`, whose second argument can be an expression of **string** data type.
 - The first argument of `$swrite` can be either a **string** or unpacked array of **byte** variable.
 - The integer % format specifiers (h, d, o, b, c, u, and z) may be used with any of the SystemVerilog integral data types, including enumerated types and packed aggregate data types. They shall not be used with any unpacked aggregate type.
 - The argument corresponding to a string % format specifier (s) may have either the **string** or unpacked array of **byte** data type. Ordering of the array is from left bound to right bound.
 - The real number % format specifiers (e, f, and g) may be used with the **shortreal** data type.
 - The above format specifiers can also be used with user-defined types that have been defined (using **typedef**) to be represented using one of these basic types.
 - Any expression argument of either the **string** or unpacked array of **byte** data type that has no corresponding format specification shall be formatted as a string.
 - Any expression argument of any other unpacked data type that has no corresponding format specification shall be illegal.
 - The “%p” format specifier shall print aggregate expressions such as structs, arrays, and unions. For both packed and unpacked types, it will print the value as an assignment pattern with named elements. In the case of a tagged union, it shall print “tag:value”. The use of white space is implementation dependent; however the output shall be a legal interpretation of the assignment pattern syntax (See 8.13). An implementation may use a “default” element to reduce its output and may set a limit on the maximum length of characters output, but that limit shall be at least 1024 characters. If that limit is reached, the output shall be truncated and a warning message issued.
 - The “%0p” format specifier shall print aggregate expressions such as structs, arrays, and unions in a shorter, implementation specific form. An implementation may set a limit on the maximum length of characters output as with “%p”.
- `$fscanf` and `$$sscanf`
 - The format arguments to these tasks may be expressions of **string** data type.
 - The first argument of `$$sscanf` can be either a **string** or unpacked array of **byte** variable.
 - The integer % format specifiers (b, o, d, and h) may be used to read into any of the SystemVerilog integral data types, including enumerated types and packed aggregate data types. They shall not be used with any unpacked aggregate type.
 - The string % format specifier (s) may be used to read into variables of either the **string** or unpacked array of **byte** data type.
 - The real number % format specifiers (e, f, and g) may be used with the **shortreal** data type.
 - The above format specifiers can also be used with user-defined types that have been defined (using **typedef**) to be represented using one of these basic types.