

The intention of this proposal is to

- allow literal sequence expressions(including clocking) as actual arguments to sequence instances
- allow property expressions (including clocking) as actual arguments to property instances

Please note that there is a syntactic ambiguity introduced by operator “or” as it is a common operator for event expression and property expression, but with different semantics. This, however, causes no problem, as an actual argument is substituted and resolved in the context where the corresponding formal argument is used in the definition. Nevertheless, users need to be careful of using such expressions as actual arguments and aware of their usage in the definition.

The changes refer to clauses from P1800-2008 Draft 3a.

## Replace Syntax 16-4 on pp 315

```
...
actual_arg_expr ::=
    event_expression
    | $
```

### With

```
...
sequence_actual_arg ::=
    event_expression
    | $
    | sequence_expr
```

## Replace Syntax 16-14 on pp 341

```
...
property_actual_arg ::=
    property_instance
    | sequence_actual_arg
```

### With

```
...
property_actual_arg ::=
    property_instance
    property_expr
```

| sequence\_actual\_arg

## Replace A.2.10 (from mantis proposal 928)

### A.2.10 Assertion declarations

```
property_actual_arg ::=  
    property_instance  
    | sequence_actual_arg
```

...  
...  
...

```
actual_arg_expr ::=  
    event_expression  
    | $
```

### With

```
property_actual_arg ::=  
    property_instance  
    property_expr  
    | sequence_actual_arg
```

...  
...  
...

```
sequence_actual_arg ::=  
    event_expression  
    | sequence_expr
```