

## Proposal for Mantis 3020

### Description

IEEE 1800-2009 has an inconsistency between Clause 16.13.17 and Annex F.7 in the description of Restriction 4 on recursive properties. Clause 16.13.17 is correct.

### Suggested Resolution

Annex F.7, change:

- RESTRICTION 4: For every recursive instance of  $\mathbf{q}$  in the declaration of  $\mathbf{p}$ , each actual argument expression  $\mathbf{e}$  of the instance satisfies one of the following conditions:
  - $\mathbf{e}$  is itself a formal argument of  $\mathbf{p}$ .
  - No formal argument of  $\mathbf{p}$  appears in  $\mathbf{e}$ .

to:

- RESTRICTION 4: For every recursive instance of **property**  $\mathbf{q}$  in the declaration of **property**  $\mathbf{p}$ , each actual argument expression  $\mathbf{e}$  of the instance satisfies **at least** one of the following conditions:
  - $\mathbf{e}$  is itself a formal argument of  $\mathbf{p}$ .
  - No formal argument of  $\mathbf{p}$  appears in  $\mathbf{e}$ .
  - $\mathbf{e}$  is bound to a local variable formal argument of  $\mathbf{q}$ .