Annexe I
La grammaire du langage LS

27 juin 2008

```
commande : connection_list  { YYACCEPT; }
        ;

connection_list : program | connection_list program
              ;

program : CONNECTION OF composant_name ':'
        connection_interface
        connection_body
        END

composant_name : ident ;

connection_interface : EVENT event_list ';'              /* events */
                       METHOD method_list               /* methods */
                                                         /* parameters;*/

event_list  : event | event_list ',' event ;

event       : event_name ;

event_name  : ident ;

method_list : method_decl | method_list ',' method_decl ;

method_decl : ident ':' method_name_list ';' ;

method_name_list : method_name  | method_name_list ',' method_name ;

method_name      : ident ;

ident : STRING ;

connection_body : instruction ;
```

```
instruction : operator
            | '{' instruction '}'
            ;

operator    : parallel
            | sequence
            | connection
            ;

composite_event : event
                | composite_event AND composite_event
                | composite_event OR composite_event
                | NOT composite_event
                ;


method_instruction : method_call
                   | method_instruction PARALLEL method_instruction
                   | method_instruction SEQUENCE method_instruction
                   | "{" method_instruction "}"
                   ;

method_call : composant_name '.' method_name ;

connection  : composite_event ARROW method_instruction ;

parallel    : instruction PARALLEL instruction ;

sequence    : instruction SEQUENCE instruction ;
```