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Title : **Interlingua Definition**

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## 1 Introduction

This document describes the syntax of the file INTERLINGUA:ILDEFINITION.ILAN. This file defines the interlingua and consists of two sections, a parameter type definition part and a rule definition part.

This document is also divided into two sections. The first one gives the syntax, the second an example. A syntax check is performed by the command "sbuild interlingua:liilrules.obj".

## 2 Syntax

```

UTT = "INTERLINGUA"."DEFINITION".[TYPESPEC].ILRULESSPEC

TYPESPEC = "TYPES"."<".{TYPEDEFINITION}.">"

TYPEDEFINITION = (ENUMDEF|SUBRANGEDEF|INTEGERDEF|BOOLEANDEF|
                  SETDEF)

ENUMDEF = TYPENAME."="."(" . IDENTIFIER . {"," . IDENTIFIER} . ")" . ";"

SUBRANGEDEF = TYPENAME."=" . IDENTIFIER . DOT . DOT . IDENTIFIER . ";"

INTEGERDEF = TYPENAME."=" . "INTEGER" . ";"

BOOLEANDEF = TYPENAME."=" . "BOOLEAN" . ";"

SETDEF = TYPENAME."=" . "SET" . "OF" . IDENTIFIER . ";"

ILRULESspec = "ILRULES"."<" . {ILRULE} . ">"

ILRULE = IDENTIFIER . "PARAMETERS" . "<" .
          { (PARAMname . ":" . TYPEname | "LEVEL" ) } . ">"

PARAMNAME = IDENTIFIER

TYPENAME = IDENTIFIER

```

### 3 Example

```
INTERLINGUA DEFINITION (* FILE INTERLINGUA:ILDEFINITION.ILAN *)
```

```
TYPES
```

```
< type1 = (jantje,pietje,marietje);
  type2 = 0..5;
  type3 = INTEGER;
  type4 = BOOLEAN;
  type5 = SET OF type1;
>
```

```
ILRULES
```

```
< rule1
  PARAMETERS < name1 : type1
               name2 : type2
  >

  rule2
  PARAMETERS < name3 : type3
               name4 : type4
  >

  rule3
  PARAMETERS < name3 : type3
               name4 : type5
  >
>
```