

Annual Program Manual

Table of Contents

1	General
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framework and utilities packages

The framework includes the package `Framework` itself and its public child packages. There are also some private child packages but they are of course not relevant to the users of the framework.

In each package services (declarations subprograms) that are relevant for *riding rules* appear at the beginning of the package specification. Other services that are used by the rest of the framework but not intended to be called from a rule appear below the following comment lines:

```
--
--  e c l a r t h n s  e n w t h i s  l i n e  r e  f e r  t o  t h e  u s e  o f  t h e  r  e w o r k
--
```

This section provides an overview of the services that are made available by the framework and other utilities packages. It is not the purpose of this section to describe the syntax of every service provided: please refer to the comments in the specification of each package. Existing rules are also typical examples of how to use these functionalities.

2.1 The package `Framework`

The package `Framework` includes general services needed by all rules. These include:

- The notion of *l c* (local context) is associated with each subprogram. A place in a source file where something happens.
- The notion of *rule context* (rule context) is associated with each rule. A rule associates a context with the rules given the following rules:

```
searchEntities(B h);
trict _F r h en: checkEntities(A . nchecke _C nvers h n)
```

the rule `Entities` is associated with `B h` is the argument of a search and `A . nchecke _C nvers h n` is the argument of a check. In the file `TJ/F 210 0 Tf1 6 0T` (strictly forbidden) `TJ/F`

Chapter 2: The framework and utilities packages

- Error package and The Error

Body

It is a good habit to start the body of a rule by giving a context explaining the general principles of the algorithm **use** especially if the algorithm is non-trivial

Plugging in a new rule in the framework

1. Normalise

Adding a new rule to the tool requires only simple modifications to the package `Framework.Plugs`

Go back to the `test` directory and run `test.sh`. It should report `PASSED` except
 the `test_help`