

# Pascal-F Verifier Internal Design Document

## CPCI #5 -- Main Control Program and Other Utilities

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### *1. Introduction*

CPCI #5 is a collection of small parts of the Verifier. Each of the programs here is quite small and is documented with comments in the source text. Here, only an overview is provided.

### *2. Pasver*

The main control program is the program invoked when the user types

```
pasver <programname>
```

and is a UNIX Bourne shell procedure. It loads, in order, the programs **pasver1**, **pasver2**, **jcheck**, and **jver**. The use of **pasver** is described in the Verifier manual.

### *3. Jcheck*

Jcheck is a syntax checker for the internal form **jcode** emitted by **pasver2** and read by **jver**. It has no other function than to catch internal errors in **pasver2**. Although it has no function other than internal error trapping, it is always run, just as a safety measure.

### *4. Putrules*

Putrules is a Bourne shell procedure for moving rules from a Boyer-Moore knowledge base to a Verifier database. The use of **putrules** is described in the Verifier manual. It invokes **getrules**.

### *5. Getrules*

**Getrules** is a program which does the work of scanning a Boyer-Moore database and finding all Boyer-Moore events. Events are copied to the output; other items in the database are ignored. There are two versions of **getrules**, one in C and one in Pascal. They function identically but the C version is about 10 times as fast.