Expert Provisioner
Accurate prediction and ordering of aircraft parts

**Description:**
- A knowledge-based provisioning support system.
- Removes mundane form processing and prevents misinterpretation of special codes.
- Brings together information formerly stored on paper forms and index cards.
- Prompts user to investigate where necessary.
- Developed and distributed on networked Windows PCs.

**Technical approach:**
- RAF Logistics Support personnel trained in AI techniques.
- Intelligent provisioning used as a worked example.
- Management interest led to development of prototype using CLIPS rule-based system.
- Senior management interest in prototype led to development of full system.
- Visual Basic and MS Access used.
- Success through using the simplest technology adequate for the task.

**Benefits:**
- Reduces the uncertainty of procurement budgets near financial year-ends.
- Reduces wastage through over-ordering.
- Takes advantage of price breaks for large orders.
- Maintains consistency of order processing.
- Easy to use and to understand.
- Estimated savings of £30 million per year.

Original order form

Order form in Expert Provisioner