Expert Provisioner
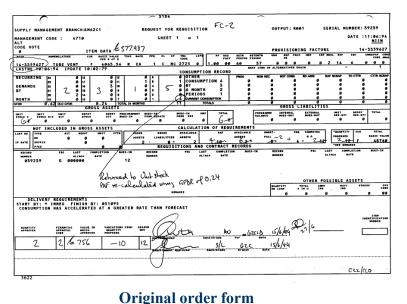## Accurate prediction and ordering of aircraft parts

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.
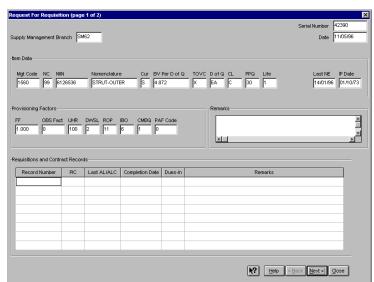
◆ Developed and distributed on networked Windows PCs.

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

AIAI and RAF Logistics Support Services
http://www.aiai.ed.ac.uk/project/ep/