GhostWriter

Plan based generation of multilingual aircraft manuals

Description:

◆ An authoring environment to support production of technical documents by British Aerospace and Dassault Aviation.

◆ Each aircraft has a large number of maintenance & other documents, required in both English and French.

◆ GhostWriter supports generation of technical documentation in either language.

◆ It also gives advice about possible errors and omissions during the construction of a publication.
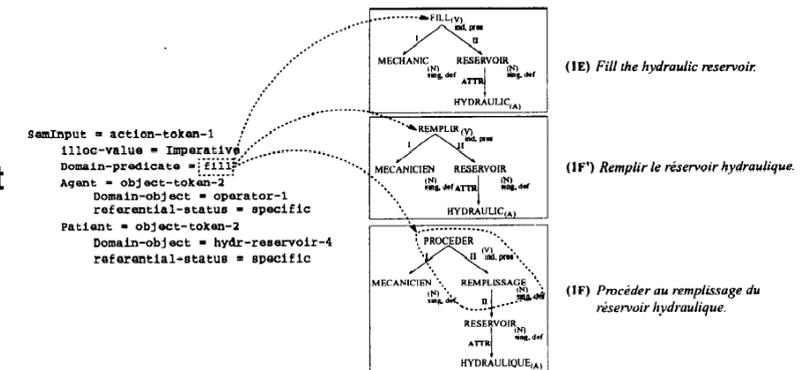

Technical approach:

◆ Maintenance procedures are written using a plan-based knowledge representation.

◆ Planning technology validates these procedures.

◆ Documents are then generated from this language-neutral representation.

◆ Procedures can be displayed using simple graphics.

◆ *Success through improved productivity and increased error checking.*

A Tornado aircraft with its accompanying technical documentation

Benefits:

◆ Prototype has been used to produce documents for most of a complex maintenance procedure for the Falcon 900.

◆ The resulting texts are at a level close to that produced by human authors.

◆ Current version is interactive and semi-automatic.

◆ It also offers a potential speed-up in document authoring.

The internal representation used by GhostWriter

BAE SYSTEMS

DASSAULT AVIATION

British Aerospace, Dassault Aviation, & University of Edinburgh
http://www.aiai.ed.ac.uk/project/ghostwriter/

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