



International Congress of Information and Communication Technology (ICICT 2017)

According to Ietm Technique of Then the Hold Type Maintain Information Support System Design

Cheng Zhong* ,Dalong Gu , Kai Liu ,Yanyan Sun

Aerospace in Peking flies control centre, No.26 Beiqing Lu,HaiDian District,Beijing, 100094, China

** Corresponding authors: xiaoguo66@sohu.com*

Abstract

This text aims at the information that the current equipment maintains realm existence to record into an efficiency low, maintain a record to search a difficult etc. question, make use of an IETM technique realization multi-media information to mean to manage with alternate type database, at the same time realization maintain the data of information to record go into with modification, search and analysis function, and blend several techniques forming a kind of then the hold type maintain information support system and raised an equipment to maintain the digitize horizontal that working efficiency and equipment maintain an information management.

Keywords: *IETM;information supports system.*

Introduction

The modern production equipment gathers techniques, such as machinery, electricity and hydraulic pressure...etc. gradually complicated at the integral whole, inner structure and operate priniple, the traditional equipment supports way and equipment to maintain idea the incapability have already adapted to the demand of new development situation, the equipment guarantees the product that the information-based technique has become future to support and the equipment guarantee of inevitable trend.At the same time, maintain an information

management in the equipment in, maintain to maintain, operation use etc. history record, and tool and null spare parts information, what to have been using is a hand work record, cost a great deal of manpower and time gather, sorting and summary analysis. Therefore, urgently need to be developed a kind of in brief and then hold of then the hold type maintain information support system, convenience fastly at work the spot record equipment information, and as to it's break down removal to provide the spot transaction and information support of the diagnosis.

IETM technique brief introduction

IETM(Interactive Electronic Technical Manual) is been to make use of modern information and electronics, been information-based a great deal of paper capa - citor technique data, kept both keep in the database, in order to use at the consumer of a technique. Began for the United States and other national as early as 70's in 20th centuries related and technical research and application to IETM, and drew up a series of and in general use standard and appropriation standard, promoted an equipment guarantee technique information-based research and development[1]. IETM stores a data to analyze with transaction and information and makes policy to support to etc. various ways to integrate together and has assistance to maintain, the data search, information browse etc. various functions, can effectively raise an equipment to maintain guarantee capability and maintain an efficiency, and lower expenses such as data creation, management and maintenance etc. IETM technique of lead go into, can nicely solve an equipment to maintain the technique data management in the guarantee use and fault diagnosis the removal and personnel train an etc. problem and improve the comprehensive guarantee capability of equipment.

IETM has following technique advantage: One is that the alternate function is strong. IETM can be alternate with consumer, solid response consumer operation command, display the information that the consumer needs, and available lead a consumer to complete to search process[2,3]. Have IETM that break down the diagnosis assistance function, can pass to have a conversation a guide progress fault clamping, complete familiar fault diagnosis. IETM that has long range diagnosis function can pass IETM to the long range repair center delivery diagnosis claim and pass video and voice frequency information and long range expert solid alternation to complete fault diagnosis. Two is saving dielectric is as diverse as application form. Because the use electron document manages, IETM is canned keep information capacity the huge movement stores in the dielectric, occupying space almost can neglect not to account, and save a great deal of paper capa - citor data takes up of space. IETM since in the type calculator, notebook of Taiwan, can the wear type calculator, Qian manual control a calculator to even use in the handheld PC, also can carry out by Web form on Internet. Three is information index is as vivid as use method[4]. The IETM is in the calculator under technical support, carry on information organization and storage with the form of database, super - text or hypermedia, provided a convenient and vivid information inspectional mode. Four is medium information type abundance. Traditional paper pattern technical manual can jot down quiescent informations, such as character, form, graphics and ICON...etc., while IETM can also jot down dynamic state medium informations, such as sound, video and animation...etc. and mean expert system, multi-media information and database management and electron publish etc. various techniques to combine together, can make the fault removal correctness significantly raise.

System functional designs

The this system main function has: Fault diagnosis information search, data maintenance, system management, maintain a resources to obtain, person's machine alternate interface(UI), can is some interested in keywords according to what consumer handed in, search get a data tabulator according to condition, real object connectivity chart, signal hint to link the data of various formses like sketch plan, etc a result, and can carry out to the picture, the electronical management of the text technique datas, such as file and form...etc..

Databases design

The database manages the performance quality of system(MIS) and to a great extent that is decided by the structure of database and designs a good database, be tremendous object consumer fetch convenience and efficiency; But the design exist bug of database, very difficult then well develop the early function object of system design. Passing the database system can nicely complete the addition of fault diagnosis information, modify, the

Download English Version:

<https://daneshyari.com/en/article/4961094>

Download Persian Version:

<https://daneshyari.com/article/4961094>

[Daneshyari.com](https://daneshyari.com)