# 3 报修维修管理模块(Repair and maintain management module)(**软件1201 王为国 112004150121**)

## 3.1 模块功能描述(Module function overview)

报修维修管理模块主要功能是实验设备的报修管理，维修管理，报表，统计查询。报修管理的功能是报修申请和报修审核，教师通过系统对设备提交报修申请，由实验中心负责人对报修申请进行审核批准。维修管理的主要功能是维修计划，维修处理，实施记录，维修验收，费用核算，由实验室负责人安排维修计划，安排维修人员对设备进行维修、校准和报废的处理，并登记实施记录，对维修结果进行汇总验收，根据维修结果以及维修花费进行费用核算。报表功能对每月报修记录，维修记录，维修费用进行汇总展示。统计查询对报修和维修记录名称的查询，支持新增记录，对每条记录的修改和删除，对可查询的信息以Excel表格的形式导出至本地，也可将本地格式与系统页面内表单格式相同的Excel表格导入至系统。

The main functions of the repair report management module are the repair report management, repair management, report, statistics and query of experimental equipment. The function of repair application management is to apply for and review the repair. The teacher submits the repair application for the equipment through the system, and the person in charge of the experimental center reviews and approves the repair application. The main functions of repair management are repair planning, repair processing, implementation records, repair acceptance, and expense accounting. The laboratory leader arranges the repair plan, arranges maintenance personnel to repair, calibrate, and scrap the equipment, registers the implementation records, summarizes and accepts the repair results, and performs expense accounting according to the repair results and repair costs. The report function summarizes and displays monthly repair reports, repair records and repair costs. Statistics query supports adding records, modifying and deleting each record, exporting the information that can be queried to local in the form of Excel tables, or importing Excel tables with the same format as the forms in the system page to the system.

表3.1-1 报修申请管理用例表

Table 3.1-1 Repair Request Management Use Case Table

|  |  |
| --- | --- |
| 用例Use case | 报修申请管理Repair Request Management |
| 简要描述  Brief description | 教师登录系统后在报修申请管理功能中通过新增报修记录来申请对设备进行报修，教师和实验中心负责人可以查询，修改报修记录。  After logging in to the system, teachers can apply for equipment repair by adding a repair request record in the repair request management function. The person in charge of the experimental center can query and modify the repair request record. |
| 参与者  Actors | 教师，实验中心负责人，计算机，报修记录表。  Teacher, head of the experimental center, computer, repair report table. |
| 前置条件  Preconditions | 教师或实验中心负责人登录进入系统，打开报修申请管理功能。  The teacher or the person in charge of the experimental center logs in to the system and opens the repair application management function. |
| 主事件流  Main flow | 当实验室中心负责人和教师成功登录系统，进入报修申请功能时，此用例开始。  当教师遭实验设备故障时，教师通过报修申请管理功能，通过点击新增，按照系统所给表单输入报修相关信息，并进行提交。  当教师或实验中心负责人想对报修记录进行查询操作，通过查询设备的名称进行查询，系统将展示查询结果。  当教师或实验中心负责人想对报修记录进行修改操作，通过查询设备的名称进行筛选再选中记录进行修改。  当教师或实验中心负责人想对报修记录进行删除操作，通过查询设备的名称进行筛选再选中记录进行删除。  用例结束。  This use case starts when the person in charge of the laboratory center and the teacher successfully log in to the system and enter the repair application function.  When the teacher suffers from the failure of the experimental equipment, the teacher can enter the relevant repair information according to the form provided by the system and submit it through the repair application management function by clicking Add.  When the teacher or the person in charge of the experimental center wants to query the repair report, the system will display the query results by querying the name of the equipment.  When the teacher or the person in charge of the experimental center wants to modify the repair request record, query the name of the equipment, filter it, and then select the record to modify it.  When the teacher or the person in charge of the experimental center wants to delete the repair report, query the name of the equipment, filter it, and then select the record to delete.  End of use case. |
| 备选流  Alternative flows | 如果报修记录新增，修改，删除，查询失败，则提示“访问数据失败，请重新操作。”。  If the repair request record is added, modified, deleted or failed to query, you will be prompted "Failed to access data, please operate again.". |
| 后置条件  Post conditions | 如果教师或实验中心负责人修改报修申请记录成功，记录的信息被存储在数据库中，记录的信息更改为最新；否则，系统的状态没有改变。如果查询成功，则显示记录界面；否则，显示查询失败界面。  If the teacher or the person in charge of the experimental center successfully modifies the repair application record, the recorded information is stored in the database, and the recorded information is changed to the latest; Otherwise, the system status does not change. If the query is successful, the record interface will be displayed; Otherwise, the query failure interface is displayed. |

表3.1-2 报修审核管理用例表

Table 3.1-2 Repair Request Review Management Use Case Table

|  |  |
| --- | --- |
| 用例Use case | 报修审核管理Repair Request Review Management |
| 简要描述  Brief description | 实验中心负责人对教师提交的报修申请进行审核，实验中心负责人可以添加，修改审核信息。教师可以查询审核结果。  The person in charge of the experimental center reviews the repair application submitted by teachers. The person in charge of the experimental center can add and modify the review information. Teachers can query the approval results. |
| 参与者  Actors | 教师，实验中心负责人，计算机，报修审核表。  Teacher, Head of Experimental Center, Computer, Repair Request table. |
| 前置条件  Preconditions | 教师提交报修申请，实验中心负责人登录进入系统，打开报修审核管理功能。  When the teacher submits the repair application, the person in charge of the experimental center logs in to the system and opens the repair application review management function. |
| 主事件流  Main flow | 当实验室中心负责人成功登录系统，进入报修审核功能时，此用例开始。  当教师提交了报修申请，实验中心负责人可以在审核界面对申请进行审核。教师可以查看审核结果。  当教师或实验中心负责人想对审核信息进行查询操作，通过查询设备的名称进行查询，系统将展示查询结果。  当实验中心负责人想对审核信息进行修改操作，通过查询设备的名称进行筛选再选中记录进行修改。  当实验中心负责人想对审核信息进行删除操作，通过查询设备的名称进行筛选再选中记录进行删除。  用例结束。  This use case starts when the person in charge of the laboratory center successfully logs in to the system and enters the repair request review function.  When the teacher submits the repair application, the person in charge of the experimental center can review the application in the review interface. Teachers can view the review results.  When the teacher or the person in charge of the experimental center wants to query the audit information, the system will display the query results by querying the name of the equipment.  When the person in charge of the experimental center wants to modify the audit information, query the name of the equipment, filter it, and then select the record to modify it.  When the person in charge of the experimental center wants to delete the audit information, he can query the name of the equipment, filter it, and then select the record to delete it.  End of use case. |
| 备选流  Alternative flows | 如果审核记录信息的新增，修改，删除，查询失败，则提示“访问数据失败，请重新操作。”。  If the addition, modification, deletion and query of approval record information fail, you will be prompted with "Failed to access data, please operate again.". |
| 后置条件  Post conditions | 如果实验中心负责人修改审核信息成功，信息被存储在数据库中，信息更改为最新；否则，系统的状态没有改变。如果查询成功，则显示记录界面；否则，显示查询失败界面。  If the person in charge of the experimental center successfully modifies the audit information, the information will be stored in the database and the information will be updated; Otherwise, the system status does not change. If the query is successful, the record interface will be displayed; Otherwise, the query failure interface is displayed. |

表3.1-3 维修管理用例表

Table 3.1-3 Maintenance Management Use Case Table

|  |  |
| --- | --- |
| 用例Use case | 维修管理maintenance Management |
| 简要描述  Brief description | 实验中心负责人进行维修计划安排，维修夫人可以查看安排，实验中心负责人负责登记维修的实施记录，实验中心负责人可以对维修计划安排与实施记录进行操作。  The person in charge of the experimental center makes maintenance plan arrangements. The maintenance lady can view the arrangements. The person in charge of the experimental center is responsible for registering the maintenance implementation records. The person in charge of the experimental center can operate on the maintenance plan arrangements and implementation records. |
| 参与者  Actors | 维修负责人，实验中心负责人，计算机，维修计划表，实施记录表。  Teacher, Head of Experimental Center, Computer, Repair Request table. |
| 前置条件  Preconditions | 实验中心负责人登录进入系统，打开打开维修管理功能。  When the teacher submits the repair application, the person in charge of the experimental center logs in to the system and opens the maintenance management function. |
| 主事件流  Main flow | 当实验室中心负责人成功登录系统，进入维修管理功能，此用例开始。  当维修负责人或实验中心负责人想对审核信息进行查询操作，通过查询设备的名称进行查询，系统将展示查询结果。  实验中心负责人可以通过新增，修改，删除等操作对实施记录进行操作，并可以将每天的维修实施进度登记至维修实施记录。  实验中心负责人可以对维修实施记录进行添加，删除，修改，查询等操作。  用例结束。  This use case starts when the person in charge of the laboratory center successfully logs in to the system and enters the maintenance management function.  When the person in charge of maintenance or the person in charge of the experimental center wants to query the audit information, the system will display the query results by querying the name of the equipment.  The person in charge of the experimental center can operate the implementation record by adding, modifying, deleting, etc., and can register the daily maintenance implementation progress to the maintenance implementation record.  The person in charge of the experimental center can add, delete, modify, query and other operations to the maintenance implementation record.  End of use case. |
| 备选流  Alternative flows | 如果维修记录信息的新增，修改，删除，查询失败，则提示“访问数据失败，请重新操作。”。  If the addition, modification, deletion and query of maintenance record information fail, you will be prompted with "Failed to access data, please operate again.". |
| 后置条件  Post conditions | 如果实验中心负责人修改维修信息成功，信息被存储在数据库中，信息更改为最新；否则，系统的状态没有改变。如果查询成功，则显示记录界面；否则，显示查询失败界面。  If the person in charge of the experimental center successfully modifies the maintenance information, the information will be stored in the database and the information will be updated; Otherwise, the system status does not change. If the query is successful, the record interface will be displayed; Otherwise, the query failure interface is displayed. |

## 3.2 数据字典(Data dictionary)

### 3.2.1 数据流(Data flow)

表3.2.1-1报修申请信息表

Table 3.2.1-1 Repair Application Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df101 |
| 数据名称 Data name | 报修申请信息表Repair application information table |
| 别 名 Alias | Repair application information |
| 数据来源  Data Sources | 教师或实验中心负责人对报修申请信息的添加和修改。  Addition and modification of repair application information by teachers or the person in charge of the experimental center. |
| 数据流向  Data flow | 报修申请信息列表  Repair application information list |
| 权 限  Permission | 教师，实验中心负责人。  Teacher, head of the experimental center. |
| 实 例  Example | 报修编号：R00001，设备编号：td3443，设备名称：直读光谱仪，故障类型：失准，设备地址：16楼322室，维修次数：3，报修时间：2022-5-8 12:00，报修人：王海洋，院系：物理学院，手机号：17522489651。  Repair id: R00001, equipment number: td3443, equipment name: direct reading spectrometer, fault type: misalignment, equipment address: Room 322, 16th floor, number of repairs: 3, repair time: 12:00, May 8, 2022, repair applicant: Wang Haiyang, department: School of Physics, mobile number: 17522489651. |

表3.2.1-2报修审核信息表

Table 3.2.1-2 Repair Request Review Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df102 |
| 数据名称 Data name | 报修审核信息表Repair request review information table |
| 别 名 Alias | Repair request review information |
| 数据来源  Data Sources | 实验中心负责人对报修审核信息的添加和修改。  The person in charge of the experimental center adds and modifies the repair request review information. |
| 数据流向  Data flow | 报修审核信息列表  Repair request review information list |
| 权 限  Permission | 实验中心负责人  Head of the experimental center |
| 实 例  Example | 审核编号：Rr00001，设备编号：td3443，设备名称：直读光谱仪，故障类型：失准，设备地址：16楼322室，维修次数：3，审核时间：2022-5-9 12:00，报修人：王海洋，院系：物理学院，手机号：17522489651，审核人：刘任，邮箱：244268888@qq.com，手机号：13115228979 审核结果：返厂维修。  Repair request review id.: R00001, equipment No.: td3443, equipment name: direct reading spectrometer, fault type: misalignment, equipment address: Room 322, 16th floor, number of repairs: 3, review time: 12:00, May 9, 2022, repair applicant: Wang Haiyang, department: School of Physics, mobile number: 17522489651, reviewer: Liu Ren, email: 244268888@qq.com , mobile number: 13115228979,Audit result: return to factory for repair. |

表3.2.1-3维修计划信息表

Table 3.2.1-3 Maintenance Plan Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df103 |
| 数据名称 Data name | 维修计划信息表Maintenance plan information table |
| 别 名 Alias | Maintenance plan information |
| 数据来源  Data Sources | 实验中心负责人对维修计划信息的添加和修改。  Addition and modification of maintenance plan information by the person in charge of the experimental center. |
| 数据流向  Data flow | 维修计划信息列表  Maintenance plan information list |
| 权 限  Permission | 实验中心负责人  Head of the experimental center |
| 实 例  Example | 计划编号：P00006，维修类型：定期保养，维修方式：上门维修，设备数量：300台，设备地址：11号楼112-116室，开始时间：2022-6-1，结束时间：2022-6-8，维修负责人：张强，公司：江苏光电械材有限公司，手机号：17598455448，计划类型：院级第一批次，拟定人：刘任。  Plan id: P00006, maintenance type: regular maintenance, maintenance method: door-to-door maintenance, number of equipment: 300, equipment address: Room 112-116, Building 11, start time: 2022-6-1, end time: 2022-6-8, person in charge of maintenance: Zhang Qiang, company: Jiangsu Optoelectronic Machinery Co., Ltd., mobile phone: 17598455448, plan type: the first batch at the hospital level, drafter: Liu Ren. |

表3.2.1-4实施记录信息表

Table 3.2.1-4 Implementation Record Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df104 |
| 数据名称 Data name | 实施记录信息表Implementation record information table |
| 别 名 Alias | Implementation record information |
| 数据来源  Data Sources | 实验中心负责人对实施记录信息的添加和修改。  Addition and modification of implementation record information by the person in charge of the experimental center. |
| 数据流向  Data flow | 实施记录信息列表  Implementation record information list |
| 权 限  Permission | 实验中心负责人。  Head of the experimental center |
| 实 例  Example | 记录编号：Re00008，设备数量：300台，已完成数量：100台，完成度：33.3%,维修负责人：张强，公司：江苏光电械材有限公司，手机号：17598455448，计划类型：院级第一批次。  Record id: Re00008, equipment quantity: 300 sets, completed quantity: 100 sets, completion degree: 33.3%, person in charge of maintenance: Zhang Qiang, company: Jiangsu Photoelectric Machinery Co., Ltd., mobile phone: 17598455448, plan type: the first batch of hospital level. |

表3.2.1-5维修验收信息表

Table 3.2.1-5 Maintenance Acceptance Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df105 |
| 数据名称 Data name | 维修验收信息表Maintenance acceptance information table |
| 别 名 Alias | Maintenance acceptance information |
| 数据来源  Data Sources | 实验中心负责人对维修验收信息的添加和修改。  Addition and modification of maintenance acceptance information by the person in charge of the experimental center. |
| 数据流向  Data flow | 维修验收信息列表  Maintenance acceptance information list |
| 权 限  Permission | 实验中心负责人。  Head of the experimental center |
| 实 例  Example | 验收编号：E00005，设备名称：光谱仪，设备数量：1，设备地址：16号楼322室，验收结果：维修失败。验收时间：2022-10-1 13:30,计划类型：单次维修。验收人：王生，手机号：17225328967。  Acceptance id: E00005, equipment name: spectrometer, equipment quantity: 1, equipment address: Room 322, Building 16, acceptance result: maintenance failed. Acceptance time: 13:30 on October 10, 2022. Plan type: single repair. Accepted by: Wang Sheng,mobile number：17225328967. |

表3.2.1-6费用核算信息表

Table 3.2.1-6 Cost Accounting Information Table

|  |  |
| --- | --- |
| 术 语 Term | 说 明 Explanation |
| 编 号 Number | Df106 |
| 数据名称 Data name | 费用核算信息表Cost accounting information table |
| 别 名 Alias | Cost accounting information |
| 数据来源  Data Sources | 实验中心负责人对费用核算信息的添加和修改。  Addition and modification of expense accounting information by the person in charge of the experimental center. |
| 数据流向  Data flow | 费用核算信息列表  Cost accounting information list |
| 权 限  Permission | 实验中心负责人  Head of the experimental center |
| 实 例  Example | 账单编号：C00004，收款方：江苏光电械材有限公司，交易金额：100000元，银行卡号：6589565468942发起时间：2022-10-9 15:28，交易时间：2022-10-10 19:28。  Bill id: C00004, Payee:Jiangsu Photoelectric Machinery Co., Ltd, Transaction amount: 100000 yuan,Bank card number: 6589565468942,Originating time:2022-10-9 15:28,Transaction time: 2022-10-10 19:28. |

## 3.2.2 数据结构(Data structure)

表3.2.2-1报修申请信息数据结构表

Table 3.2.2-1 Repair Application Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3201 |
| 数据结构名称  Data structure name | 报修申请信息表  Repair application information table |
| 定义  Definition | 将报修申请信息录入数据库  Enter repair application information into the database |
| 组 成  Composition | 报修申请信息=报修编号+设备编号+设备名称+故障类型+设备地址+维修次数+报修时间+报修人+院系+手机号  Repair application information = repair id + equipment number + equipment name + fault type + equipment address + repair times + repair time + repair applicant + department + mobile number |

表3.2.2-2报修审核信息数据结构表

Table 3.2.2-2 Repair Request Review Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3202 |
| 数据结构名称  Data structure name | 报修审核信息表  Repair request review information table |
| 定义  Definition | 将报修审核信息录入数据库。  Enter repair request review information into the database. |
| 组 成  Composition | 报修审核信息=审核编号+设备编号+设备名称+故障类型+设备地址+维修次数+审核时间+报修人+院系+手机号+审核人+邮箱+手机号+审核结果  Repair request audit information = repair request review id + equipment number + equipment name + fault type + equipment address + repair times + audit time + repair applicant + department + mobile number + reviewer + email + mobile number + audit result |

表3.2.2-3维修计划信息数据结构表

Table 3.2.2-3 Maintenance Plan Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3203 |
| 数据结构名称  Data structure name | 维修计划信息表  Maintenance plan information table |
| 定义  Definition | 将维修计划信息录入数据库。  Enter maintenance plan information into the database. |
| 组 成  Composition | 维修计划信息=计划编号+维修类型+维修方式+设备数量+设备地址+开始时间+结束时间+维修负责人+公司+手机号+计划类型+拟定人  Maintenance plan information = plan id + repair type + repair method + equipment quantity + equipment address + start time + end time + person in charge of repair + company + mobile number + plan type + drafter |

表3.2.2-4实施记录信息数据结构表

Table 3.2.2-4 Implementation Record Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3204 |
| 数据结构名称  Data structure name | 实施记录信息表  Implementation record information table |
| 定义  Definition | 将实施记录信息录入数据库。  Enter implementation record information into the database. |
| 组 成  Composition | 实施记录信息=记录编号+设备数量+已完成数量+完成度+维修负责人+公司+手机号+计划类型  Implementation record information = record id + equipment quantity + completed quantity + completion degree + person in charge of maintenance + company + mobile number + plan type |

表3.2.2-5维修验收信息数据结构表

Table 3.2.2-5 Maintenance Acceptance Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3205 |
| 数据结构名称  Data structure name | 维修验收信息表  Maintenance acceptance information table |
| 定义  Definition | 将维修验收信息录入数据库。  Enter maintenance acceptance information into the database. |
| 组 成  Composition | 维修验收信息=验收编号+设备名称+设备数量+设备地址+验收结果+验收时间+计划类型+验收人+手机号  Repair acceptance information = acceptance id + equipment name + equipment quantity + equipment address + acceptance result + acceptance time + plan type + acceptor + mobile number |

表3.2.2-6费用核算信息数据结构表

Table 3.2.2-6 Cost Accounting Information Data Structure Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 编号 Number | Ds3206 |
| 数据结构名称  Data structure name | 费用核算信息表  Cost accounting information table |
| 定义  Definition | 将费用核算信息录入数据库。  Enter cost accounting information into the database. |
| 组 成  Composition | 费用核算信息=账单编号+收款方+交易金额+银行卡号+发起时间+交易时间  Cost accounting information = bill id + payee + transaction amount + bank card number + initiation time + transaction time |

### 3.2.3 数据项(Data item)

表3.2.3-1数据项报修申请实体说明表

Table 3.2.3-1 Data Item Repair Request Entity Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3301 |
| 数据名称Data name | 报修申请 Repair request |
| 别名Alias | Repair request |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向Data flow | 报修申请信息数据库Repair Request information database |
| 权限Permission | 教师或实验中心负责人对报修申请信息进行添加、删除、修改和查询。  Teachers or the person in charge of the experimental center add, delete, modify and query the repair application information. |
| 实例Instance | 报修申请 Repair request |

表3.2.3-2数据项报修编号说明表

Table 3.2.3-2 Data Item Repair ID Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3302 |
| 数据名称 Data name | 报修编号 Repair id |
| 别名 Alias | Repair id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 YES |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | R00001-R99999 |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改报修编号。  The teacher or the person in charge of the experimental center can change the repair id. |
| 应 用 Application | 教师或实验中心负责人添加一个报修编号：R00001。  The teacher or the person in charge of the experimental center adds a repair id: R00001. |

表3.2.3-3数据项设备编号说明表

Table 3.2.3-3 Data Item Equipment ID Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3303 |
| 数据名称 Data name | 设备编号 Equipment id |
| 别名 Alias | Equipment id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 NO |
| 是否外键 foreign key | 否 YES |
| 取值范围 Ranges | 000000-zz9999 |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改设备编号。  The teacher or the person in charge of the experimental center can change the equipment id. |
| 应 用 Application | 教师或实验中心负责人添加一个设备编号：td3443。  The teacher or the person in charge of the experimental center adds a equipment id: td3443. |

表3.2.3-4数据项设备名称说明表

Table 3.2.3-4 Data Item Equipment Name Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3304 |
| 数据名称 Data name | 设备名称 Equipment name |
| 别名 Alias | Equipment name |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 20 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 YES |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改设备名称。  The teacher or the person in charge of the experimental center can change the equipment name. |
| 应 用 Application | 教师或实验中心负责人添加一个设备名称：光谱仪。  The teacher or the person in charge of the experimental center adds a equipment name: spectrometer. |

表3.2.3-5数据项故障类型说明表

Table 3.2.3-5 Data Item Fault Type Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3305 |
| 数据名称 Data name | 故障类型 Fault type |
| 别名 Alias | Fault type |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 10 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改故障类型。  The teacher or the person in charge of the experimental center can change the Fault type. |
| 应 用 Application | 教师或实验中心负责人添加一个故障类型：失准。  The teacher or the person in charge of the experimental center adds a fault type: misalignment. |

表3.2.3-6数据项设备地址说明表

Table 3.2.3-6 Data Item Equipment Address Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3306 |
| 数据名称 Data name | 设备地址 Equipment address |
| 别名 Alias | Equipment address |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改设备地址。  The teacher or the person in charge of the experimental center can change the equipment address. |
| 应 用 Application | 教师或实验中心负责人添加一个设备地址：16号楼322室。  The teacher or the person in charge of the experimental center adds a equipment address: Room 322, 16th floor. |

表3.2.3-7数据项维修次数说明表

Table 3.2.3-7 Data Item Number of Repair Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3307 |
| 数据名称 Data name | 维修次数 Number of repair |
| 别名 Alias | Number of repair |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Int |
| 长度 Length | 8 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 0-1000 |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改维修次数。  The teacher or the person in charge of the experimental center can change the number of repair. |
| 应 用 Application | 教师或实验中心负责人添加一个维修次数：3。  The teacher or the person in charge of the experimental center adds a number of repair: 3. |

表3.2.3-8数据项报修时间说明表

Table 3.2.3-8 Data Item Repair Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3308 |
| 数据名称 Data name | 报修时间 Repair time |
| 别名 Alias | Repair time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改报修时间。  The teacher or the person in charge of the experimental center can change the repair time. |
| 应 用 Application | 教师或实验中心负责人添加一个报修时间：2022-5-8 12:00。  The teacher or the person in charge of the experimental center adds a repair time: 2022-5-8 12:00. |

表3.2.3-9数据项报修人说明表

Table 3.2.3-9 Data Item Repair Applicant Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3309 |
| 数据名称 Data name | 报修人 Repair applicant |
| 别名 Alias | Repair applicant |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 8 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改报修人。  The teacher or the person in charge of the experimental center can change the repair time. |
| 应 用 Application | 教师或实验中心负责人添加一个报修人：王海洋。  The teacher or the person in charge of the experimental center adds a repair time: Wang Haiyang. |

表3.2.3-10数据项院系说明表

Table 3.2.3-10 Data Item Department Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3310 |
| 数据名称 Data name | 院系 Department |
| 别名 Alias | Department |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 8 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改院系。  The teacher or the person in charge of the experimental center can change the department. |
| 应 用 Application | 教师或实验中心负责人添加一个院系：物理学院。  The teacher or the person in charge of the experimental center adds a department: School of Physics. |

表3.2.3-10数据项手机号说明表

Table 3.2.3-10 Data Item Mobile Number Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3310 |
| 数据名称 Data name | 手机号 Mobile number |
| 别名 Alias | Mobile number |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 00000000000-19999999999 |
| 数据来源 Data Sources | 教师或实验中心负责人对报修申请信息的添加、修改。  The teacher or the person in charge of the experimental center adds or modifies the repair application information. |
| 数据流向 Data flow | 报修申请信息列表Repair application information list |
| 权限 Permission | 教师或实验中心负责人可以更改手机号。  The teacher or the person in charge of the experimental center can change the mobile number. |
| 应 用 Application | 教师或实验中心负责人添加一个手机号：物理学院。  The teacher or the person in charge of the experimental center adds a mobile number: School of Physics. |

表3.2.3-11数据项报修审核实体说明表

Table 3.2.3-11 Data Item Repair Request Review Entity Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3311 |
| 数据名称Data name | 报修审核 Repair request review |
| 别名Alias | Repair request review |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 教师或实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向Data flow | 报修审核信息数据库Repair Request information database |
| 权限Permission | 实验中心负责人对报修审核信息进行添加、删除、修改和查询。  The person in charge of the experimental center add, delete, modify and query the repair request review information. |
| 实例Instance | 报修审核 Repair request review |

表3.2.3-12数据项审核编号说明表

Table 3.2.3-12 Data Item Repair Request Review Id Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3312 |
| 数据名称 Data name | 审核编号 Repair request review id |
| 别名 Alias | Repair request review id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 Yes |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | Rr00001-Rr99999 |
| 数据来源 Data Sources | 实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向 Data flow | 报修审核信息列表Repair request review information list |
| 权限 Permission | 实验中心负责人可以更改审核编号。  The person in charge of the experimental center can change the repair request review id. |
| 应 用 Application | 实验中心负责人添加一个审核编号：Rr00001。  The person in charge of the experimental center adds a repair request review id: Rr00001. |

表3.2.3-13数据项审核时间说明表

Table 3.2.3-13 Data Item Audit Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3313 |
| 数据名称 Data name | 审核时间 Audit time |
| 别名 Alias | Audit time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向 Data flow | 报修审核信息列表Repair request review information list |
| 权限 Permission | 实验中心负责人可以更改审核时间。  The person in charge of the experimental center can change the audit time. |
| 应 用 Application | 实验中心负责人添加一个审核时间：2022-5-9 12:00。  The person in charge of the experimental center adds a audit time: 2022-5-9 12:00. |

表3.2.3-14数据项审核人说明表

Table 3.2.3-14 Data Item Reviewer Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3314 |
| 数据名称 Data name | 审核人 Reviewer |
| 别名 Alias | Reviewer |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向 Data flow | 报修审核信息列表Repair request review information list |
| 权限 Permission | 实验中心负责人可以更改审核人。  The person in charge of the experimental center can change the reviewer. |
| 应 用 Application | 实验中心负责人添加一个审核人：刘任。  The person in charge of the experimental center adds a reviewer:Liu Ren. |

表3.2.3-15数据项邮箱说明表

Table 3.2.3-15 Data Item Email Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3315 |
| 数据名称 Data name | 邮箱 Email |
| 别名 Alias | Email |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向 Data flow | 报修审核信息列表Repair request review information list |
| 权限 Permission | 实验中心负责人可以更改邮箱。  The person in charge of the experimental center can change the email. |
| 应 用 Application | 实验中心负责人添加一个邮箱：244268888@qq.com。  The person in charge of the experimental center adds a email: 244268888@qq.com. |

表3.2.3-16数据项审核结果说明表

Table 3.2.3-16 Data Item Audit Result Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3316 |
| 数据名称 Data name | 审核结果 Audit result |
| 别名 Alias | Audit result |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 上门维修，返厂维修，报废。  On site maintenance, return to the factory for maintenance and scrapping. |
| 数据来源 Data Sources | 实验中心负责人对报修审核信息的添加、修改。  The person in charge of the experimental center adds or modifies the repair request review information. |
| 数据流向 Data flow | 报修审核信息列表Repair request review information list |
| 权限 Permission | 实验中心负责人可以更改审核结果。  The person in charge of the experimental center can change the audit result. |
| 应 用 Application | 实验中心负责人添加一个审核结果：返厂维修。  The teacher or the person in charge of the experimental center adds a audit result: return to factory for repair. |

表3.2.3-17数据项维修计划实体说明表

Table 3.2.3-17 Data Item Maintenance Plan Entity Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3317 |
| 数据名称Data name | 维修计划 Maintenance plan |
| 别名Alias | Maintenance plan |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向Data flow | 维修计划信息数据库Maintenance plan information database |
| 权限Permission | 实验中心负责人对维修计划信息进行添加、删除、修改和查询。  The person in charge of the experimental center add, delete, modify and query the maintenance plan information. |
| 实例Instance | 维修计划 Maintenance plan |

表3.2.3-18数据项计划编号说明表

Table 3.2.3-18 Data Item Plan Id Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3318 |
| 数据名称 Data name | 计划编号 Plan id |
| 别名 Alias | Plan id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 Yes |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | P00001-P99999 |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改计划编号。  The person in charge of the experimental center can change the plan id. |
| 应 用 Application | 实验中心负责人添加一个计划编号：P00001。  The person in charge of the experimental center adds a repair request plan id: P00001. |

表3.2.3-19数据项维修类型说明表

Table 3.2.3-19 Data Item Maintenance Type Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3319 |
| 数据名称 Data name | 维修类型 Maintenance type |
| 别名 Alias | Maintenance type |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 单体维修，定期维修。Single maintenance, regular maintenance. |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改维修类型。  The person in charge of the experimental center can change the maintenance type. |
| 应 用 Application | 实验中心负责人添加一个维修类型：定期保养。  The person in charge of the experimental center adds a maintenance type: regular maintenance. |

表3.2.3-20数据项维修方式说明表

Table 3.2.3-20 Data Item Maintenance Method Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3320 |
| 数据名称 Data name | 维修方式 Maintenance method |
| 别名 Alias | Maintenance method |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 返厂维修，上门维修。Return to the factory for maintenance and on-site maintenance. |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改维修方式。  The person in charge of the experimental center can change the maintenance method. |
| 应 用 Application | 实验中心负责人添加一个维修方式：上门维修。  The person in charge of the experimental center adds a maintenance method: door-to-door maintenance. |

表3.2.3-21数据项设备数量说明表

Table 3.2.3-21 Data Item Number of Equipment Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3321 |
| 数据名称 Data name | 设备数量 Number of equipment |
| 别名 Alias | Number of equipment |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Int |
| 长度 Length | 100000 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 0-100000 |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改设备数量.  The person in charge of the experimental center can change the Number of equipment。 |
| 应 用 Application | 实验中心负责人添加一个设备数量：300。  The person in charge of the experimental center adds a Number of equipment :300. |

表3.2.3-22数据项开始时间说明表

Table 3.2.3-22 Data Item Start Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3322 |
| 数据名称 Data name | 开始时间 Start time |
| 别名 Alias | Start time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改开始时间。  The person in charge of the experimental center can change the start time. |
| 应 用 Application | 实验中心负责人添加一个开始时间：2022-6-1。  The person in charge of the experimental center adds a start time: 2022-6-1. |

表3.2.3-23数据项结束时间说明表

Table 3.2.3-23 Data Item End Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3323 |
| 数据名称 Data name | 结束时间 End time |
| 别名 Alias | End time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改结束时间。  The person in charge of the experimental center can change the end time. |
| 应 用 Application | 实验中心负责人添加一个结束时间：2022-6-8。  The person in charge of the experimental center adds a end time: 2022-6-8. |

表3.2.3-24数据项维修负责人说明表

Table 3.2.3-24 Data Item Person In Charge Of Maintenance Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3324 |
| 数据名称 Data name | 维修负责人 Person in charge of maintenance |
| 别名 Alias | Person in charge of maintenance |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改维修负责人。  The person in charge of the experimental center can change the person in charge of maintenance. |
| 应 用 Application | 实验中心负责人添加一个维修负责人：张强。  The person in charge of the experimental center adds a person in charge of maintenance: Zhang Qiang. |

表3.2.3-25数据项公司说明表

Table 3.2.3-25 Data Item Company Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3325 |
| 数据名称 Data name | 公司 Company |
| 别名 Alias | Company |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改公司。  The person in charge of the experimental center can change the company. |
| 应 用 Application | 实验中心负责人添加一个公司：江苏光电械材有限公司。  The person in charge of the experimental center adds a company: Jiangsu Photoelectric Machinery Co., Ltd. |

表3.2.3-26数据项计划类型说明表

Table 3.2.3-26 Data Item Plan Type Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3326 |
| 数据名称 Data name | 计划类型 Repair request review id |
| 别名 Alias | Repair request review id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 30 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改计划类型。  The person in charge of the experimental center can change the plan type. |
| 应 用 Application | 实验中心负责人添加一个计划类型：院级第一批次。  The person in charge of the experimental center adds a plan type: the first batch. |

表3.2.3-27数据项拟定人说明表

Table 3.2.3-27 Data Item Drafter Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3327 |
| 数据名称 Data name | 拟定人 Repair request review id |
| 别名 Alias | Repair request review id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修计划信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance plan information. |
| 数据流向 Data flow | 维修计划信息表Maintenance plan information list |
| 权限 Permission | 实验中心负责人可以更改拟定人。  The person in charge of the experimental center can change the drafter. |
| 应 用 Application | 实验中心负责人添加一个拟定人：刘任。  The person in charge of the experimental center adds a drafter:Liu Re. |

表3.2.3-28数据项实施记录实体说明表

Table 3.2.3-28 Data Item Implementation Record Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3328 |
| 数据名称Data name | 实施记录 Implementation record |
| 别名Alias | Implementation record |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 实验中心负责人对实施记录信息的添加、修改。  The person in charge of the experimental center adds or modifies the implementation record information. |
| 数据流向Data flow | 实施记录信息数据库Implementation record information database |
| 权限Permission | 实验中心负责人对实施记录信息进行添加、删除、修改和查询。  Teachers or the person in charge of the experimental center add, delete, modify and query the implementation record information. |
| 实例Instance | 实施记录 Implementation record |

表3.2.3-29数据项记录编号说明表

Table 3.2.3-29 Data Item Record Id Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3329 |
| 数据名称 Data name | 记录编号 Record id |
| 别名 Alias | Record id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 Yes |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | Re00001-Re99998 |
| 数据来源 Data Sources | 实验中心负责人对实施记录信息的添加、修改。  The person in charge of the experimental center adds or modifies the implementation record. |
| 数据流向 Data flow | 实施记录信息列表Implementation record information list |
| 权限 Permission | 实验中心负责人可以更改记录编号。  The person in charge of the experimental center can change the record id. |
| 应 用 Application | 实验中心负责人添加一个记录编号：Re00008。  The person in charge of the experimental center adds a record id:Re00008. |

表3.2.3-30数据项已完成数量说明表

Table 3.2.3-30 Data Item Completed Quantity Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3330 |
| 数据名称 Data name | 已完成数量 completed quantity |
| 别名 Alias | completed quantity |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Int |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 0-100000 |
| 数据来源 Data Sources | 实验中心负责人对实施记录信息的添加、修改。  The person in charge of the experimental center adds or modifies the implementation record. |
| 数据流向 Data flow | 实施记录信息列表Implementation record information list |
| 权限 Permission | 实验中心负责人可以更改已完成数量。  The person in charge of the experimental center can change the completed quantity. |
| 应 用 Application | 实验中心负责人添加一个已完成数量：100。  The person in charge of the experimental center adds a completed quantity:100. |

表3.2.3-30数据项完成度说明表

Table 3.2.3-30 Data Item Completion Degree Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3330 |
| 数据名称 Data name | 完成度 Completion degree |
| 别名 Alias | Completion degree |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 0%-100% |
| 数据来源 Data Sources | 实验中心负责人对实施记录信息的添加、修改。  The person in charge of the experimental center adds or modifies the implementation record. |
| 数据流向 Data flow | 实施记录信息列表Implementation record information list |
| 权限 Permission | 实验中心负责人可以更改完成度。  The person in charge of the experimental center can change the completion degree. |
| 应 用 Application | 实验中心负责人添加一个完成度：33.3%。  The person in charge of the experimental center adds a completion degree:33.3%. |

表3.2.3-31数据项维修验收实体说明表

Table 3.2.3-31 Data Item Maintenance Acceptance Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3331 |
| 数据名称Data name | 维修验收 Maintenance acceptance |
| 别名Alias | Maintenance acceptance |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 实验中心负责人对维修验收信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance acceptance information. |
| 数据流向Data flow | 维修验收信息数据库Maintenance acceptance information database |
| 权限Permission | 实验中心负责人对维修验收信息进行添加、删除、修改和查询。  Teachers or the person in charge of the experimental center add, delete, modify and query the maintenance acceptance. |
| 实例Instance | 维修验收 Maintenance acceptance |

表3.2.3-32数据项验收编号说明表

Table 3.2.3-32 Data Item Acceptance Id Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3332 |
| 数据名称 Data name | 验收编号 Acceptance id |
| 别名 Alias | Acceptance id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 Yes |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | E00001-E99999 |
| 数据来源 Data Sources | 实验中心负责人对维修验收信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance acceptance information. |
| 数据流向 Data flow | 维修验收信息列表Maintenance acceptance information list |
| 权限 Permission | 实验中心负责人可以更改验收编号。  The person in charge of the experimental center can change the acceptance id. |
| 应 用 Application | 实验中心负责人添加一个验收编号：E00008  The person in charge of the experimental center adds a acceptance id:E00008. |

表3.2.3-33数据项验收结果说明表

Table 3.2.3-33 Data Item Acceptance Result Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3333 |
| 数据名称 Data name | 验收结果 Acceptance result |
| 别名 Alias | Acceptance result |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 维修成功，维修失败。The repair is successful, the repair fails. |
| 数据来源 Data Sources | 实验中心负责人对维修验收信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance acceptance information. |
| 数据流向 Data flow | 维修验收信息列表Maintenance acceptance information list |
| 权限 Permission | 实验中心负责人可以更改验收结果。  The person in charge of the experimental center can change the acceptance result. |
| 应 用 Application | 实验中心负责人添加一个验收结果：维修失败。  The person in charge of the experimental center adds a acceptance result :maintenance failed. |

表3.2.3-34数据项验收时间说明表

Table 3.2.3-34 Data Item Acceptance Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3334 |
| 数据名称 Data name | 验收时间 Acceptance time |
| 别名 Alias | Acceptance time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对维修验收信息的添加、修改。  The person in charge of the experimental center adds or modifies the maintenance acceptance information. |
| 数据流向 Data flow | 维修验收信息列表Maintenance acceptance information list |
| 权限 Permission | 实验中心负责人可以更改验收时间。  The person in charge of the experimental center can change the acceptance time. |
| 应 用 Application | 实验中心负责人添加一个验收时间：2022-10-1 13:30。  The person in charge of the experimental center adds a acceptance time:2022-10-1 13:30. |

表3.2.3-35数据项费用核算实体说明表

Table 3.2.3-35 Data Item Cost Accounting Description Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 数据编号Data number | Di3335 |
| 数据名称Data name | 费用核算 Cost accounting |
| 别名Alias | Cost accounting |
| 数据属性  Data attribute | 实体数据  Entity data |
| 数据来源  Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向Data flow | 费用核算信息数据库Cost accounting information database |
| 权限Permission | 实验中心负责人对费用核算信息进行添加、删除、修改和查询。  Teachers or the person in charge of the experimental center add, delete, modify and query the cost accounting. |
| 实例Instance | 费用核算 Cost accounting |

表3.2.3-36数据项账单编号说明表

Table 3.2.3-36 Data Item Bill Id Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3336 |
| 数据名称 Data name | 账单编号 Bill id |
| 别名 Alias | Bill id |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 是 Yes |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | C00001-C99999 |
| 数据来源 Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向 Data flow | 费用核算信息列表Cost accounting information list |
| 权限 Permission | 实验中心负责人可以更改账单编号。  The person in charge of the experimental center can change the bill id. |
| 应 用 Application | 实验中心负责人添加一个账单编号：C00004。  The person in charge of the experimental center adds a bill id:C00004. |

表3.2.3-37数据项收款方说明表

Table 3.2.3-37 Data Item Payee Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3337 |
| 数据名称 Data name | 收款方 Payee |
| 别名 Alias | Payee |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向 Data flow | 费用核算信息列表Cost accounting information list |
| 权限 Permission | 实验中心负责人可以更改收款方。  The person in charge of the experimental center can change the bill id. |
| 应 用 Application | 实验中心负责人添加一个收款方：C00004。  The person in charge of the experimental center adds a bill id:C00004. |

表3.2.3-38数据项交易金额说明表

Table 3.2.3-38 Data Item Transaction Amount Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3338 |
| 数据名称 Data name | 交易金额 Transaction amount |
| 别名 Alias | Transaction amount |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Varchar |
| 长度 Length | 15 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向 Data flow | 费用核算信息列表Cost accounting information list |
| 权限 Permission | 实验中心负责人可以更改交易金额。  The person in charge of the experimental center can change the transaction amount. |
| 应 用 Application | 实验中心负责人添加一个交易金额：100000元  The person in charge of the experimental center adds a transaction amount:C00004. |

表3.2.3-39数据项发起时间说明表

Table 3.2.3-39 Data Item Originating Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3339 |
| 数据名称 Data name | 发起时间 Originating time |
| 别名 Alias | Originating time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 10 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向 Data flow | 费用核算信息列表Cost accounting information list |
| 权限 Permission | 实验中心负责人可以更改发起时间。  The person in charge of the experimental center can change the originating time. |
| 应 用 Application | 实验中心负责人添加一个发起时间：2022-10-9 15:28。  The person in charge of the experimental center adds a originating time:2022-10-9 15:28. |

表3.2.3-39数据项交易时间说明表

Table 3.2.3-39 Data Item Transaction Time Description Table

|  |  |
| --- | --- |
| 术 语 Team | 说明 Explanation |
| 数据编号Data number | Di3338 |
| 数据名称 Data name | 交易时间 Transaction time |
| 别名 Alias | Transaction time |
| 数据属性 Data attribute | 属性数据 Attribute data |
| 类型 Type | Date |
| 长度 Length | 10 |
| 是否可空 Is it free | 否 NO |
| 是否主键 the primary key | 否 NO |
| 是否外键 foreign key | 否 NO |
| 取值范围 Ranges | 无 None |
| 数据来源 Data Sources | 实验中心负责人对费用核算信息的添加、修改。  The person in charge of the experimental center adds or modifies the Cost accounting. |
| 数据流向 Data flow | 费用核算信息列表Cost accounting information list |
| 权限 Permission | 实验中心负责人可以更改交易时间。  The person in charge of the experimental center can change the transaction time. |
| 应 用 Application | 实验中心负责人添加一个交易时间：2022-10-10 19:28。  The person in charge of the experimental center adds a transaction time:2022-10-10 19:28. |

### 3.2.4 数据存储(Data storage)

表3.2.4-1报修申请信息存储表

Table 3.2.4-1 Repair Application Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3401 |
| 名称name | 报修申请信息Repair application information |
| 含义说明  Meaning description | 添加报修申请信息  Add repair application information |
| 数据存储组成  Data storage composition | 报修编号+设备编号+设备名称+故障类型+设备地址+维修次数+报修时间+报修人+院系+手机号  Repair id + equipment number + equipment name + fault type + equipment address + repair times + repair time + repair applicant + department + mobile number |
| 关键字Keyword | 报修编号Repair id |
| 存储方式Storage method | 顺序存储Sequential storage |

表3.2.4-2报修审核信息存储表

Table 3.2.4-2 Repair Request Review Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3402 |
| 名称name | 报修审核信息 Repair request review information |
| 含义说明  Meaning description | 添加报修审核信息  Add repair request review information |
| 数据存储组成  Data storage composition | 审核编号+设备编号+设备名称+故障类型+设备地址+维修次数+审核时间+报修人+院系+手机号+审核人+邮箱+手机号+审核结果  Repair request review id + equipment number + equipment name + fault type + equipment address + repair times + audit time + repair applicant + department + mobile number + reviewer + email + mobile number + audit result |
| 关键字Keyword | 审核编号Repair request review id |
| 存储方式Storage method | 顺序存储Sequential storage |

表3.2.4-3维修计划信息存储表

Table 3.2.4-3 Maintenance Plan Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3403 |
| 名称name | 维修计划信息 Maintenance plan information |
| 含义说明  Meaning description | 添加维修计划信息  Add maintenance plan information |
| 数据存储组成  Data storage composition | 计划编号+维修类型+维修方式+设备数量+设备地址+开始时间+结束时间+维修负责人+公司+手机号+计划类型+拟定人  Plan id + repair type + repair method + equipment quantity + equipment address + start time + end time + person in charge of repair + company + mobile number + plan type + drafter |
| 关键字Keyword | 计划编号Plan id |
| 存储方式Storage method | 顺序存储Sequential storage |

表3.2.4-4实施记录信息存储表

Table 3.2.4-4 Implementation Record Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3404 |
| 名称name | 实施记录信息 Implementation record information |
| 含义说明  Meaning description | 添加实施记录信息  Add implementation record information |
| 数据存储组成  Data storage composition | 记录编号+设备数量+已完成数量+完成度+维修负责人+公司+手机号+计划类型  Plan id + repair type + repair method + equipment quantity + equipment address + start time + end time + person in charge of repair + company + mobile number + plan type + drafter |
| 关键字Keyword | 记录编号Plan id |
| 存储方式Storage method | 顺序存储Sequential storage |

表3.2.4-5维修验收信息存储表

Table 3.2.4-5 Maintenance Acceptance Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3405 |
| 名称name | 维修验收信息 Maintenance acceptance information |
| 含义说明  Meaning description | 添加维修验收信息  Add maintenance acceptance information |
| 数据存储组成  Data storage composition | 验收编号+设备名称+设备数量+设备地址+验收结果+验收时间+计划类型+验收人+手机号  Acceptance id + equipment name + equipment quantity + equipment address + acceptance result + acceptance time + plan type + acceptor + mobile number |
| 关键字Keyword | 验收编号Acceptance id |
| 存储方式Storage method | 顺序存储Sequential storage |

表3.2.4-6费用核算信息存储表

Table 3.2.4-6 Maintenance Acceptance Information Storage Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Ds3406 |
| 名称name | 费用核算信息 Cost accounting information |
| 含义说明  Meaning description | 添加费用核算信息  Add cost accounting information |
| 数据存储组成  Data storage composition | 账单编号+收款方+交易金额+银行卡号+发起时间+交易时间  Bill id + payee + transaction amount + bank card number + initiation time + transaction time |
| 关键字Keyword | 账单编号Acceptance id |
| 存储方式Storage method | 顺序存储Sequential storage |

### 3.2.5 处理过程(Processing process)

表3.2.5-1 报修申请信息录入处理表

Table 3.2.5-1 Repair Application Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3501 |
| 名称name | 报修申请信息录入 Repair application information entry |
| 含义说明Meaning description | 教师或实验中心负责人向系统中录入报修申请信息。  Teachers or the person in charge of the experimental center enter the repair application information into the system. |
| 输入数据Input data | 报修编号+设备编号+设备名称+故障类型+设备地址+维修次数+报修时间+报修人+院系+手机号  Repair id + equipment number + equipment name + fault type + equipment address + repair times + repair time + repair applicant + department + mobile phone number |
| 输出数据Output Data | 报修申请信息 Repair application information |
| 处理逻辑Processing logic | 添加报修申请信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add repair application information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |

表3.2.5-2 报修审核信息录入处理表

Table 3.2.5-2 Repair Request Review Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3502 |
| 名称name | 报修审核信息录入 Repair request review information entry |
| 含义说明Meaning description | 实验中心负责人向系统中录入报修审核信息。  The person in charge of the experimental center enter the repair request review information into the system. |
| 输入数据Input data | 审核编号+设备编号+设备名称+故障类型+设备地址+维修次数+审核时间+报修人+院系+手机号+审核人+邮箱+手机号+审核结果  Repair request review id + equipment number + equipment name + fault type + equipment address + repair times + audit time + repair applicant + department + mobile number + reviewer + email + mobile number + audit result |
| 输出数据Output Data | 报修审核信息 Repair application information |
| 处理逻辑Processing logic | 添加报修审核信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add repair request review information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |

表3.2.5-3 维修计划信息录入处理表

Table 3.2.5-3 Maintenance Plan Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3503 |
| 名称name | 维修计划信息录入 Maintenance plan information entry |
| 含义说明Meaning description | 实验中心负责人向系统中录入维修计划信息。  The person in charge of the experimental center enter the maintenance plan information into the system. |
| 输入数据Input data | 计划编号+维修类型+维修方式+设备数量+设备地址+开始时间+结束时间+维修负责人+公司+手机号+计划类型+拟定人  Plan id + repair type + repair method + equipment quantity + equipment address + start time + end time + person in charge of repair + company + mobile number + plan type + drafter |
| 输出数据Output Data | 维修计划信息 Maintenance plan information |
| 处理逻辑Processing logic | 添加维修计划信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add maintenance plan information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |

表3.2.5-4 实施记录信息录入处理表

Table 3.2.5-4 Implementation Record Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3504 |
| 名称name | 实施记录信息录入 Implementation record information entry |
| 含义说明Meaning description | 实验中心负责人向系统中录入实施记录信息。  The person in charge of the experimental center enter the implementation record information into the system. |
| 输入数据Input data | 记录编号+设备数量+已完成数量+完成度+维修负责人+公司+手机号+计划类型  Record id + equipment quantity + completed quantity + completion degree + person in charge of maintenance + company+mobile number + plan type |
| 输出数据Output Data | 实施记录信息 Implementation record information |
| 处理逻辑Processing logic | 添加实施记录信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add implementation record information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |

表3.2.5-5 维修验收信息录入处理表

Table 3.2.5-5 Maintenance Acceptance Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3505 |
| 名称name | 维修验收信息录入 Maintenance acceptance information entry |
| 含义说明Meaning description | 实验中心负责人向系统中录入维修验收信息。  The person in charge of the experimental center enter the maintenance acceptance information into the system. |
| 输入数据Input data | 验收编号+设备名称+设备数量+设备地址+验收结果+验收时间+计划类型+验收人+手机号  Acceptance id + equipment name + equipment quantity + equipment address + acceptance result + acceptance time + plan type + acceptor + mobile number |
| 输出数据Output Data | 维修验收信息 Maintenance acceptance information |
| 处理逻辑Processing logic | 添加维修验收信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add maintenance acceptance information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |

表3.2.5-6 费用核算信息录入处理表

Table 3.2.5-6 Cost Accounting Information Entry Processing Table

|  |  |
| --- | --- |
| 术语Term | 说明Description |
| 编号Numbering | Pp3506 |
| 名称name | 费用核算信息录入 Cost accounting information entry |
| 含义说明Meaning description | 实验中心负责人向系统中录入费用核算信息。  The person in charge of the experimental center enter the cost accounting information into the system. |
| 输入数据Input data | 账单编号+收款方+交易金额+银行卡号+发起时间+交易时间  Bill id + payee + transaction amount + bank card number + initiation time + transaction time |
| 输出数据Output Data | 费用核算信息 Cost accounting information |
| 处理逻辑Processing logic | 添加费用核算信息。若数据项格式正确，则添加成功；否则，重新输入格式有误的数据项。  Add cost accounting information. If the data item is in the correct format, the addition is successful; otherwise, re-enter the data item with the wrong format. |