##### 融创设计协同办公平台

##### BPM接口

##### 测试报告

**2019年12月**

**修订历史**

| **版本号** | **日期** | **作者** | **修订原因** |
| --- | --- | --- | --- |
| 1.01 | 2019.12.10 | 宋建龙 | 新建 |
|  |  |  |  |
|  |  |  |  |

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# 简介

## 目的

总结项目过程中发现的BUG情况，以及跟踪BUG修复状况。

## 背景

融创设计协同办公平台接口测试环境已经测试完成。

## 参考资料

融创BPM-ESB跟业务系统接口文档说明V1.5.docx

集成接口标准化技术实现说明文档-20190731-V2.pdf

## 术语与缩写解释

|  |  |
| --- | --- |
| **术语、缩写** | **解释** |
|  |  |

# 测试概要

## 测试接口

|  |
| --- |
| **测试接口** |
| CAD\_SUNAC\_564\_WriteSAPXmlToBPM\_PS |
| CAD\_SUNAC\_565\_UpdateAndApproveFlow\_PS |
| CAD\_SUNAC\_566\_DoInvalid\_PS |
| CAD\_SUNAC\_567\_GetFlowState\_PS |
| BPM\_SUNAC\_557\_Audit |
| BPM\_SUNAC\_556\_CreateResult |
| BPM\_SUNAC\_558\_Rework |
| BPM\_SUNAC\_559\_ApproveClose |

## 测试工具

|  |  |  |  |
| --- | --- | --- | --- |
| **工具** | **用途** | **生长厂商/自产** | **版本** |
| *SoapUI* | 发送SOAP请求 |  | 5.12 |

# 测试结果及缺陷分析

## 测试执行情况与记录

### 测试时间

|  |  |  |  |
| --- | --- | --- | --- |
| **任务** | **开始时间** | **结束时间** | **总计（人/天）** |
| *测试用例* | 11月20日 | 11月22日 | 2 |
| *测试执行* | 12月5日 | 11月6日 | 1 |
| *测试报告* | 12月9日 | 12月10日 | 1 |
| **合计** |  |  | 4 |

## 覆盖分析

### 需求覆盖

|  |  |  |  |
| --- | --- | --- | --- |
| **需求（或编号）** | **测试类型** | **是否通过** | **备注** |
| 流程发起 | *测试工具* | **[Y]** |  |
| 流程过程中的修改 | *测试工具* | **[Y]** |  |
| 流程作废 | *测试工具* | **[Y]** |  |
| 流程状态查询 | *测试工具* | **[Y]** |  |
| 流程发起成功，向业务系统提交创建结果 | *测试工具* | **[Y]** |  |
| 流程审批(通过)，审批记录知会到业务系统 | *测试工具* | **[Y]** |  |
| 流程审批(退回、发起人取消） | *测试工具* | **[Y]** |  |
| 流程审批结束(通过、拒绝、作废) | *测试工具* | **[Y]** |  |

### 发起流程接口测试报文

请求报文

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:cad="http://www.ekingwin.com/esb/CAD\_SUNAC\_564\_WriteSAPXmlToBPM">

<soapenv:Header/>

<soapenv:Body>

<cad:CAD\_SUNAC\_564\_WriteSAPXmlToBPM>

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<REQ\_ITEM>

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<!--Optional:-->

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<!--Optional:-->

<BOID>78</BOID>

<!--Optional:-->

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<prototypeID>78</prototypeID>

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</BSXML>

<!--Optional:-->

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<!--Optional:-->

<userid>zhaoy58</userid>

</REQ\_ITEM>

</MESSAGE>

</I\_REQUEST>

</cad:CAD\_SUNAC\_564\_WriteSAPXmlToBPM>

</soapenv:Body>

</soapenv:Envelope>



**返回报文：**

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">

<soap:Body xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<wywz:CAD\_SUNAC\_564\_WriteSAPXmlToBPM\_RSP xmlns:wywz="http://www.ekingwin.com/esb/CAD\_SUNAC\_564\_WriteSAPXmlToBPM">

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<RSP\_BASEINFO>

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<RSP\_TAR\_SYS>BS\_CAD\_BPM</RSP\_TAR\_SYS>

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</RSP\_ITEM>

</MESSAGE>

</E\_RESPONSE>

</wywz:CAD\_SUNAC\_564\_WriteSAPXmlToBPM\_RSP>

</soap:Body>

</soapenv:Envelope>

### 审批过程中修改接口测试报文

请求报文

ESB请求参数

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:cad="http://www.ekingwin.com/esb/CAD\_SUNAC\_565\_UpdateAndApproveFlow">

  <soapenv:Header/>

  <soapenv:Body>

   <cad:CAD\_SUNAC\_565\_UpdateAndApproveFlow>

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        <REQ\_BSN\_ID>?</REQ\_BSN\_ID>

        <REQ\_RETRY\_TIMES>?</REQ\_RETRY\_TIMES>

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        <!--Zero or more repetitions:-->

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         <!--Optional:-->

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         <!--Optional:-->

         <!--Optional:-->

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         <!--Optional:-->

         <userid>zhaoy58</userid><comments>?</comments>

        </REQ\_ITEM>

      </MESSAGE>

     </I\_REQUEST>

   </cad:CAD\_SUNAC\_565\_UpdateAndApproveFlow>

  </soapenv:Body>

</soapenv:Envelope>

返回报文

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">

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   <wywz:CAD\_SUNAC\_565\_UpdateAndApproveFlow\_RSP xmlns:wywz="http://www.ekingwin.com/esb/CAD\_SUNAC\_565\_UpdateAndApproveFlow">

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      <RSP\_BASEINFO>

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        <RSP\_STATUS\_CODE>E0M1</RSP\_STATUS\_CODE>

        <RSP\_STATUS\_MSG>内部异常</RSP\_STATUS\_MSG>

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      </RSP\_BASEINFO>

      <MESSAGE>

        <RSP\_ITEM>

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        </RSP\_ITEM>

      </MESSAGE>

     </E\_RESPONSE>

   </wywz:CAD\_SUNAC\_565\_UpdateAndApproveFlow\_RSP>

  </soap:Body>

</soapenv:Envelope>

审批通过状态：通过

### 流程作废接口测试报文

请求报文

ESB请求参数

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<invalidComment>zhaoy58用户撤销</invalidComment>

</REQ\_ITEM>

</MESSAGE>

</I\_REQUEST>

</CAD\_SUNAC\_566\_DoInvalid>

返回报文

<wywz:CAD\_SUNAC\_566\_DoInvalid\_RSP xmlns="" xmlns:wywz="http://www.ekingwin.com/esb/CAD\_SUNAC\_566\_DoInvalid" xmlns:xsd="http://www.w3.org/2001/XMLSchema"xmlns:v1="http://www.ekingwin.com/basi/sb/log/v1" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<E\_RESPONSE>

<RSP\_BASEINFO>

<RSP\_TRACE\_ID>368e18cd-7c81-4660-b0d3-131457ecaf4a</RSP\_TRACE\_ID>

<RSP\_REQ\_TRACEID>52A1E4F7AB6545C395FC0475663334BF</RSP\_REQ\_TRACEID>

<RSP\_SEND\_TIME>20191209062759</RSP\_SEND\_TIME>

<RSP\_SRC\_SYS>BS\_CAD\_BPM</RSP\_SRC\_SYS>

<RSP\_TAR\_SYS>BS\_CAD\_BPM</RSP\_TAR\_SYS>

<RSP\_SERVER\_NAME>CAD\_SUNAC\_566\_DoInvalid</RSP\_SERVER\_NAME>

<RSP\_BSN\_ID>256</RSP\_BSN\_ID>

<RSP\_RETRY\_TIMES>1</RSP\_RETRY\_TIMES>

<RSP\_STATUS\_CODE>S000</RSP\_STATUS\_CODE>

<RSP\_STATUS\_MSG>成功</RSP\_STATUS\_MSG>

<BIZTRANSACTIONID>CAD\_SUNAC\_566\_DoInvalid\_PS20191209182736</BIZTRANSACTIONID>

<RESULT>0</RESULT>

</RSP\_BASEINFO>

<MESSAGE>

<RSP\_ITEM>

<STATUSCODE>1</STATUSCODE>

<STATUSMESSAGE>成功</STATUSMESSAGE>

</RSP\_ITEM>

</MESSAGE>

</E\_RESPONSE>

</wywz:CAD\_SUNAC\_566\_DoInvalid\_RSP>

### 查询流程实例接口测试报文

请求报文

ESB需求参数

<CAD\_SUNAC\_567\_GetFlowState xmlns="http://www.ekingwin.com/esb/CAD\_SUNAC\_567\_GetFlowState" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:v1="http://www.ekingwin.com/basi/sb/log/v1"xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<I\_REQUEST xmlns="">

<REQ\_BASEINFO>

<REQ\_TRACE\_ID>EC25EE02DA82409B946A2505BD7254FE</REQ\_TRACE\_ID>

<REQ\_SEND\_TIME>20191210161231</REQ\_SEND\_TIME>

<REQ\_SRC\_SYS>BS\_CAD\_BPM</REQ\_SRC\_SYS>

<REQ\_TAR\_SYS>BS\_CAD\_BPM</REQ\_TAR\_SYS>

<REQ\_SERVER\_NAME>CAD\_SUNAC\_567\_GetFlowState\_PS</REQ\_SERVER\_NAME>

<REQ\_SYN\_FLAG>0</REQ\_SYN\_FLAG>

<BIZTRANSACTIONID>CAD\_SUNAC\_567\_GetFlowState\_PS20191210161231</BIZTRANSACTIONID>

</REQ\_BASEINFO>

<MESSAGE>

<REQ\_ITEM>

<procInstID>1912000846</procInstID>

<userid>ZHAOY58</userid>

</REQ\_ITEM>

</MESSAGE>

</I\_REQUEST>

</CAD\_SUNAC\_567\_GetFlowState>

返回报文

<wywz:CAD\_SUNAC\_567\_GetFlowState\_RSP xmlns="" xmlns:wywz="http://www.ekingwin.com/esb/CAD\_SUNAC\_567\_GetFlowState" xmlns:xsd="http://www.w3.org/2001/XMLSchema"xmlns:v1="http://www.ekingwin.com/basi/sb/log/v1" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<E\_RESPONSE>

<RSP\_BASEINFO>

<RSP\_TRACE\_ID>3c6f3969-af0d-43d3-9e27-f35b9131fe3f</RSP\_TRACE\_ID>

<RSP\_REQ\_TRACEID>EC25EE02DA82409B946A2505BD7254FE</RSP\_REQ\_TRACEID>

<RSP\_SEND\_TIME>20191210041300</RSP\_SEND\_TIME>

<RSP\_SRC\_SYS>BS\_CAD\_BPM</RSP\_SRC\_SYS>

<RSP\_TAR\_SYS>BS\_CAD\_BPM</RSP\_TAR\_SYS>

<RSP\_SERVER\_NAME>CAD\_SUNAC\_567\_GetFlowState\_PS</RSP\_SERVER\_NAME>

<RSP\_BSN\_ID>1912000846</RSP\_BSN\_ID>

<RSP\_RETRY\_TIMES>1</RSP\_RETRY\_TIMES>

<RSP\_STATUS\_CODE>S000</RSP\_STATUS\_CODE>

<RSP\_STATUS\_MSG>成功</RSP\_STATUS\_MSG>

<BIZTRANSACTIONID>CAD\_SUNAC\_567\_GetFlowState\_PS20191210161231</BIZTRANSACTIONID>

<RESULT>0</RESULT>

</RSP\_BASEINFO>

<MESSAGE>

<RSP\_ITEM>

<STATUSCODE>1</STATUSCODE>

<STATUSMESSAGE>2</STATUSMESSAGE>

</RSP\_ITEM>

</MESSAGE>

</E\_RESPONSE>

</wywz:CAD\_SUNAC\_567\_GetFlowState\_RSP>

### CreateResult接口测试报文

请求报文：

{"currentDomainUid":"yej18","strBSID":"vsheji","strBTID":"P11","strBOID":"196","bSuccess":true,"iProcInstID":1911002312,"procURL":"http://192.168.2.110/Workflow/MTApprovalView.aspx?procInstId=1911002312&key=560000238552","strMessage":"流程发起成功"}

返回报文：

｛Code="100",Error="",Success="1111"｝

审批状态为‘审批中’

### ApproveClose接口测试报文

请求报文

请求参数：

{"currentDomainUid":"yej18","strBSID":"vsheji","strBTID":"P31","strBOID":"223","iProcInstID":1911002315,"eProcessInstanceResult":"1","strComment":"流程审批结束","dtTime":"2019-11-25 18:10:52","actid":24355539,"actname":"测试D"}

返回报文：

｛Code="100",Error="",Success="1111"｝

审批状态为通过状态

### Rework接口测试报文

请求报文：

{"currentDomainUid":"yej18","strBSID":"vsheji","strBTID":"P51","strBOID":"102","iProcInstID":1911002314,"strComment":"","dtTime":"2019-11-25 18:09:44","actid":24355536,"actname":"测试D","easState":"2"}

返回报文

｛Code="100",Error="",Success="1111"｝

审批退回，业务系统数据状态为“审批退回”，重新发起流程。

### Audit接口测试报文

请求报文：

{"currentDomainUid":"yej18","strBSID":"vsheji","strBTID":"P51","strBOID":"102","iProcInstID":1911002314,"strComment":"","dtTime":"2019-11-25 18:09:44","actid":24355536,"actname":"测试D","easState":"2"}

返回报文：

｛Code="100",Error="",Success="1111"｝

## 缺陷的统计与分析

### 缺陷汇总

* 概括

*【下表按bug 的状态列出bug 的数量】*

|  |  |  |
| --- | --- | --- |
| **Closed Bug 数** | **Pending Bug 数** | **总计** |
| *0* | 0 | 0 |

* 按优先级

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **严重** | **一般** | **小缺陷** | **非缺陷** | **总计** |
| 0 | 0 | 0 | 0 | 0 |

### 遗留问题

1. 若需求有变更后，与项目经理沟通之后后续调整；

# 测试结论与建议

## 测试结论

基本功能可正常实现，且无遗留bug。

## 改进建议