

**Smilegate**

**전자결재 연동 I/F 정의서**

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| **작성자** | **조영훈** |
| **법인** |  |
| **부서** |  |
| **작성일** | **2020.04.27** |

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**변경이력**

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| 일자 | 수정내역 | 작성자 |
| 2020-04-27 | 지출결의서 데이터 연계 API 작성 | 조영훈 |
| 2020-05-11 | 전자결재 상태값 update API에서 docNo 필수 제외 및 API가이드 반영. | 조영훈 |
| 2020-05-20 | Result fail 메시지 변경, Header 파라미터 X-Requested-With 삭제. | 조영훈 |
| 2020-05-29 | 전자결재 승인을 위한 연동 페이지 가이드 작성 | 고두현 |
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# **전자결재 팝업 연동**

* 1. - 지출결의서 결재 상신 데이터 전송.

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| **Project Name** | 재무고도화 2차프로젝트 | | | | **Version** | v1.0 | | | |
| **Packet Description** | 지출결의서 결재 상신 데이터 전송. | | | | **Authority** |  | **Date** | | 2020-04-27 |
| **Packet URL** | <http://sfim.smilegate.net/api/fimApproval/v1.0/doSendFimDocument> | | | | **Method** | POST | **protocol** | | http |
|  | | | | | | | | | |
| **Header Name** | **Required** | **Default** | | **Description** | | | | | |
| Accept | O |  | | application/json | | | | | |
|  |  |  | |  | | | | | |
| **Parameter Name** | **Required** | **Default** | | **Description** | | | | | |
| reqJob | O |  | | 법인카드, 지출결의서 업무구분  1:법인카드.  ***2:지출결의서.*** | | | | | |
| reqSeq | O |  | | 마스터키 | | | | | |
| callBack |  |  | | Jsonp의 콜백명.  데이터가 없을경우 일반적인 json포맷으로 return.  데이터가 있을경우 해당 명칭으로 감싸서 return. | | | | | |
| **[Sample]**  http://sfim.smilegate.net/api/fimApproval/v1.0/doSendFimDocument?reqJob=2&reqSeq=128&callback=webCallBack | | | | | | | | | |
|  | | | | | | | | | |
| **Result Name(성공)** | **Success** | | | | **fail** | | | | |
| **Object Type** | | **Description** | | **Object Type** | | | **Description** | |
| status | String | | 200 OK | | String | | | HTTP Status Code | |
| completed | boolean | | true | | boolean | | | false | |
| msg | String | |  | | String | | | 사용자용 에러 메시지. | |
| errorMsg | String | |  | | String | | | 개발자용 에러 메시지 | |
| result | Object | | Data | | Object | | | null | |
|  | | | | | | | | | |
| **Result : success** | | | | | | | | | |
| webcallback({      "status": "200 OK",      "completed": true,      "msg": "정상처리 되었습니다.",      "errorMsg": null,      "result": {          "result": 0,          "reqJob": 2,          "data": {              "tiarCostVO": {                  "tiCostSeq": 127,                  "docNo": "문001001000",                  "companySeq": 0,                  "contents": null,                  "erpSlipSeq": 0,                  "title": "[지출결의서(현금)\_장인아\_2020-04-17]1",                  "acctNo": null,                  "bankCd": null,                  "bankNm": null,                  "acctOwnerNm": null,                  "grstatus": "2",                  "grEndStatus": 0,                  "confirm": 0,                  "comCd": "A0000000",                  "comNm": "스마일게이트 홀딩스",                  "pid": 11111,                  "accErpDeptSeq": 0,                  "accErpDeptNm": null,                  "inputKind": "FIM",                  "dueDate": null,                  "memo": "더 이상 바꾼다면 난 모르겠다.",                  "regDate": "20200417",                  "regErpEmpSeq": 0,                  "regUserId": "070013",                  "regUserNm": "장인아",                  "regErpDeptSeq": 0,                  "regErpDeptNm": null,                  "regEmpNo": "A10003",                  "regDeptCd": "A0000382",                  "regDeptNm": "CEO(장인아대표)",                  "sgDeptPath": null,                  "totalAmt": 2347190,                  "lastUserId": 0,                  "lastUserNm": null,                  "lastDateTime": null,                  "tiarCostAmtList": null,                  "fileList": null              },              "tiCostAmtVOList": [                  {                      "tiCostSeq": 127,                      "tiCostSerl": 1,                      "companySeq": 0,                      "useDate": "20200417",                      "deptVO": {                          "id": null,                          "deptCd": null,                          "parentCd": null,                          "deptNm": null,                          "text": null,                          "deptLevel": 0,                          "deptSort": null,                          "deptCdPath": null,                          "deptNmPath": null,                          "comCd": null,                          "comNm": null,                          "children": null,                          "useErpEmpSeq": 0,                          "userId": null,                          "empNo": null,                          "budgetDeptCd": "A0000593",                          "budgetDeptNm": "총무팀",                          "budgetErpDeptSeq": 0,                          "budgetErpDeptNm": null,                          "useUserNm": "장인아",                          "useDeptCd": "A0000382",                          "useDeptNm": "CEO(장인아대표)",                          "useEmpNo": null,                          "useUserId": "070013",                          "useErpDeptSeq": 0,                          "useErpDeptNm": null,                          "companySeq": null,                          "deptSeq": null,                          "data": null                      },                      "erpCurrSeq": 1,                      "currNm": "KRW",                      "exRate": 1.0,                      "isVat": null,                      "curAmt": 2342340,                      "curVat": 0,                      "domAmt": 2342340,                      "domVat": 0,                      "custSeq": 0,                      "custText": null,                      "budgetDeptSeq": null,                      "budgetDeptNm": null,                      "budgetErpDeptSeq": 0,                      "budgetErpDeptNm": null,                      "erpEvidSeq": 0,                      "erpAccSeq": 0,                      "erpVatAccseq": 0,                      "erpOppAccSeq": 0,                      "erpUmCostType": 0,                      "useDeptCd": null,                      "useDeptNm": null,                      "remark": "카페물품구매(식품)",                      "lastUserId": 0,                      "lastDateTime": null,                      "amt": 0,                      "useAccErpDeptSeq": 0,                      "useAccErpDeptNm": null,                      "guest": null,                      "store": "ㅇㅇ",                      "tripGubun": 0,                      "isPublicCost": null,                      "erpCardSeq": 0,                      "remark2": null,                      "erpRemSeq": 0,                      "erpRemValSeq": 0,                      "erpRemSeq2": 0,                      "erpRemValSeq2": 0,                      "smKindSeq": "4503005",                      "costSeq": "7",                      "costInfoVO": {                          "companySeq": 0,                          "tiCostSeq": 0,                          "tiCostSerl": 0,                          "smKindSeq": "4503005",                          "smKindName": "복리후생",                          "costSeq": "7",                          "costName": "카페물품구매(식품)",                          "costItemCd": "CP000000070",                          "costItemNm": "인건비",                          "activityCd": "CP900000037",                          "activityNm": "복리후생\_기타",                          "custName": null,                          "userName": null,                          "purpose": null,                          "busiTripCode": null,                          "busiTripType": null,                          "startArea": null,                          "destArea": null,                          "workStart": null,                          "workEnd": null,                          "distance": 0,                          "personCnt": 0,                          "personName": null,                          "transAmt": 0.0,                          "regDate": null                      },                      "cctrSeq": 0                  },                  {                      "tiCostSeq": 127,                      "tiCostSerl": 2,                      "companySeq": 0,                      "useDate": "20200417",                      "deptVO": {                          "id": null,                          "deptCd": null,                          "parentCd": null,                          "deptNm": null,                          "text": null,                          "deptLevel": 0,                          "deptSort": null,                          "deptCdPath": null,                          "deptNmPath": null,                          "comCd": null,                          "comNm": null,                          "children": null,                          "useErpEmpSeq": 0,                          "userId": null,                          "empNo": null,                          "budgetDeptCd": "A0000593",                          "budgetDeptNm": "총무팀",                          "budgetErpDeptSeq": 0,                          "budgetErpDeptNm": null,                          "useUserNm": "장인아",                          "useDeptCd": "A0000382",                          "useDeptNm": "CEO(장인아대표)",                          "useEmpNo": null,                          "useUserId": "070013",                          "useErpDeptSeq": 0,                          "useErpDeptNm": null,                          "companySeq": null,                          "deptSeq": null,                          "data": null                      },                      "erpCurrSeq": 1,                      "currNm": "KRW",                      "exRate": 1.0,                      "isVat": null,                      "curAmt": 3430,                      "curVat": 0,                      "domAmt": 3430,                      "domVat": 0,                      "custSeq": 0,                      "custText": null,                      "budgetDeptSeq": null,                      "budgetDeptNm": null,                      "budgetErpDeptSeq": 0,                      "budgetErpDeptNm": null,                      "erpEvidSeq": 0,                      "erpAccSeq": 0,                      "erpVatAccseq": 0,                      "erpOppAccSeq": 0,                      "erpUmCostType": 0,                      "useDeptCd": null,                      "useDeptNm": null,                      "remark": "야근식대",                      "lastUserId": 0,                      "lastDateTime": null,                      "amt": 0,                      "useAccErpDeptSeq": 0,                      "useAccErpDeptNm": null,                      "guest": null,                      "store": "ㅎㅎ",                      "tripGubun": 0,                      "isPublicCost": null,                      "erpCardSeq": 0,                      "remark2": null,                      "erpRemSeq": 0,                      "erpRemValSeq": 0,                      "erpRemSeq2": 0,                      "erpRemValSeq2": 0,                      "smKindSeq": "4503005",                      "costSeq": "1",                      "costInfoVO": {                          "companySeq": 0,                          "tiCostSeq": 0,                          "tiCostSerl": 0,                          "smKindSeq": "4503005",                          "smKindName": "복리후생",                          "costSeq": "1",                          "costName": "야근식대",                          "costItemCd": "CP000000070",                          "costItemNm": "인건비",                          "activityCd": "CP900000035",                          "activityNm": "복리후생\_식대",                          "custName": null,                          "userName": null,                          "purpose": null,                          "busiTripCode": null,                          "busiTripType": null,                          "startArea": null,                          "destArea": null,                          "workStart": null,                          "workEnd": null,                          "distance": 0,                          "personCnt": 0,                          "personName": null,                          "transAmt": 0.0,                          "regDate": null                      },                      "cctrSeq": 0                  },                  {                      "tiCostSeq": 127,                      "tiCostSerl": 3,                      "companySeq": 0,                      "useDate": "20200417",                      "deptVO": {                          "id": null,                          "deptCd": null,                          "parentCd": null,                          "deptNm": null,                          "text": null,                          "deptLevel": 0,                          "deptSort": null,                          "deptCdPath": null,                          "deptNmPath": null,                          "comCd": null,                          "comNm": null,                          "children": null,                          "useErpEmpSeq": 0,                          "userId": null,                          "empNo": null,                          "budgetDeptCd": "A0000593",                          "budgetDeptNm": "총무팀",                          "budgetErpDeptSeq": 0,                          "budgetErpDeptNm": null,                          "useUserNm": "장인아",                          "useDeptCd": "A0000382",                          "useDeptNm": "CEO(장인아대표)",                          "useEmpNo": null,                          "useUserId": "070013",                          "useErpDeptSeq": 0,                          "useErpDeptNm": null,                          "companySeq": null,                          "deptSeq": null,                          "data": null                      },                      "erpCurrSeq": 1,                      "currNm": "KRW",                      "exRate": 1.0,                      "isVat": null,                      "curAmt": 1420,                      "curVat": 0,                      "domAmt": 1420,                      "domVat": 0,                      "custSeq": 0,                      "custText": null,                      "budgetDeptSeq": null,                      "budgetDeptNm": null,                      "budgetErpDeptSeq": 0,                      "budgetErpDeptNm": null,                      "erpEvidSeq": 0,                      "erpAccSeq": 0,                      "erpVatAccseq": 0,                      "erpOppAccSeq": 0,                      "erpUmCostType": 0,                      "useDeptCd": null,                      "useDeptNm": null,                      "remark": "카페물품구매(식품)",                      "lastUserId": 0,                      "lastDateTime": null,                      "amt": 0,                      "useAccErpDeptSeq": 0,                      "useAccErpDeptNm": null,                      "guest": null,                      "store": "ㅇㄴㅁㄹ",                      "tripGubun": 0,                      "isPublicCost": null,                      "erpCardSeq": 0,                      "remark2": null,                      "erpRemSeq": 0,                      "erpRemValSeq": 0,                      "erpRemSeq2": 0,                      "erpRemValSeq2": 0,                      "smKindSeq": "4503005",                      "costSeq": "7",                      "costInfoVO": {                          "companySeq": 0,                          "tiCostSeq": 0,                          "tiCostSerl": 0,                          "smKindSeq": "4503005",                          "smKindName": "복리후생",                          "costSeq": "7",                          "costName": "카페물품구매(식품)",                          "costItemCd": "CP000000070",                          "costItemNm": "인건비",                          "activityCd": "CP900000037",                          "activityNm": "복리후생\_기타",                          "custName": null,                          "userName": null,                          "purpose": null,                          "busiTripCode": null,                          "busiTripType": null,                          "startArea": null,                          "destArea": null,                          "workStart": null,                          "workEnd": null,                          "distance": 0,                          "personCnt": 0,                          "personName": null,                          "transAmt": 0.0,                          "regDate": null                      },                      "cctrSeq": 0                  }              ],              "fileList": []          },          "reqSeq": 127      }  }) | | | | | | | | | |
| **Result : fail(Exception)** | | | | | | | | | |
| webcallback({      "status": "404 NOT\_FOUND",      "completed": false,      "msg": "처리중 에러가 발생했습니다.",      "errorMsg": "java.lang.Exception",      "result": null  }) | | | | | | | | | |
| **Result : fail(필수값 누락)** | | | | | | | | | |
| webcallback({      "status": "422 UNPROCESSABLE\_ENTITY",      "completed": false,      "msg": "필수 파라미터 누락",      "errorMsg": "필수 파라미터 누락",      "result": null  }) | | | | | | | | | |

* 1. - 전자결재 상태 Update

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| **Project Name** | 재무고도화 2차프로젝트 | | | | **Version** | v1.0 | | | |
| **Packet Description** | 전재결재 결재 상태 변경에 따른 상태 Update | | | | **Authority** |  | **Date** | | 2020-04-27 |
| **Packet URL** | http://sfim.smilegate.net/api/fimApproval/v1.0/doUpdateStatus | | | | **Method** | POST | **protocol** | | http |
|  | | | | | | | | | |
| **Header Name** | **Required** | **Default** | | **Description** | | | | | |
| Accept | O |  | | application/json | | | | | |
| **Parameter Name** | **Required** | **Default** | | **Description** | | | | | |
| reqJob | O |  | | 법인카드, 지출결의서 업무구분  1:법인카드.  ***2:지출결의서.*** | | | | | |
| reqSeq | O |  | | 마스터키 | | | | | |
| pid | O |  | | 전자결재 PID | | | | | |
| docNo |  |  | | 전자결재 문서번호 | | | | | |
| grStatus | O |  | | 전자결재 결재상태 | | | | | |
| callBack |  |  | | Jsonp의 콜백명.  값이 없을경우 일반적인 json포맷으로 return.  값이 있을경우 해당 명칭으로 감싸서 return. | | | | | |
| **[Sample]**  http://sfim.smilegate.net/api/fimApproval/v1.0/doUpdateStatus?reqJob=2&reqSeq=126&pid=456&docNo=문서01&grStatus=2 | | | | | | | | | |
|  | | | | | | | | | |
| **Result Name(성공)** | **Success** | | | | **fail** | | | | |
| **Object Type** | | **Description** | | **Object Type** | | | **Description** | |
| status | String | | 200 OK | | String | | | HTTP Status Code | |
| completed | boolean | | true | | boolean | | | false | |
| msg | String | |  | | String | | | 사용자용 에러 메시지. | |
| errorMsg | String | |  | | String | | | 개발자용 에러 메시지 | |
| result | Object | | null | | Object | | | null | |
|  | | | | | | | | | |
| **Result : success** | | | | | | | | | |
| webcallback({      "status": "200 OK",      "completed": true,      "msg": null,      "errorMsg": null,      "result": null  }) | | | | | | | | | |
| **Result : fail(Exception)** | | | | | | | | | |
| webcallback({      "status": "404 NOT\_FOUND",      "completed": false,      "msg": "처리중 에러가 발생했습니다.",      "errorMsg": "java.lang.Exception",      "result": null  }) | | | | | | | | | |
| **Result : fail(필수값 누락)** | | | | | | | | | |
| webcallback({      "status": "422 UNPROCESSABLE\_ENTITY",      "completed": false,      "msg": "필수 파라미터 누락",      "errorMsg": "필수 파라미터 누락",      "result": null  }) | | | | | | | | | |

# **전자결재 연동**

- 전자결재 팝업

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** | 전자결재 팝업 연동 | | | | **Version** | v1.0 | | | |
| **Packet Description** | 결재 승인을 받기 위한 결재팝업 연동 | | | | **Authority** | 고두현 | **Date** | | 2020-05-29 |
| **Packet URL** | http://ekp.smiledev.net/eNovator/GSWF/WebPage/ApprovalForms/ApprovalFormCtrl.aspx | | | | **Method** | GET | **protocol** | | http |
|  | | | | | | | | | |
| **Header Name** | **Required** | **Default** | | **Description** | | | | | |
|  |  |  | |  | | | | | |
| **Parameter Name** | **Required** | **Default** | | **Description** | | | | | |
| formLang | O |  | | 양식 언어버전 (보통 null 로 전달) | | | | | |
| rqPage | O |  | | 전자결재 페이지 정보 (보통 null 로 전달) | | | | | |
| formID | O |  | | 전자결재 기안폼 ID | | | | | |
| FormFileName | O |  | | /Storage/GSWF/eNovForms/ko/PersonalExpense\_001.htm | | | | | |
| originpid |  |  | | 전자결재 내 이전 ID (보통 null 로 전달) | | | | | |
| adjunctDeptCd |  |  | | 겸직부서코드 (보통 null 로 전달) | | | | | |
| reqSeq |  |  | | Legacy 시스템 ID | | | | | |
| reqOption |  |  | | Legacy Option : 필요 시 옵션을 작성  (신규 : R, 연장 : E 등) | | | | | |
| **[Sample]**  http://ekp.smiledev.net/eNovator/GSWF/WebPage/ApprovalForms/ApprovalFormCtrl.aspx?formLang=&rqPage=&formID=370&FormFileName=/Storage/GSWF/eNovForms/ko/PersonalExpense\_001.htm&originpid=&adjunctDeptCd=&reqSeq=15 | | | | | | | | | |
|  | | | | | | | | | |
| **Result Name(성공)** | **Success** | | | | **fail** | | | | |
| **Object Type** | | **Description** | | **Object Type** | | | **Description** | |
| result | String | | true : 성공 | | String | | | false : 실패 | |
|  | | | | | | | | | |
| **Result : success** | | | | | | | | | |
| {  팝업 호출  }} | | | | | | | | | |
| **Result : fail** | | | | | | | | | |
| {  "result" : false  } | | | | | | | | | |