G-Invoicing Remittance Advice API

<table>
<thead>
<tr>
<th>Description/Purpose</th>
<th>This specification describes how to call the application programming interface to pull G-Invoicing’s Remittance Advice for a specific ALC and Transfer Date. This interface was designed at the request of the Defense Finance and Accounting Services (DFAS), but may be used by other Federal agencies to pull Remittance Advice.</th>
</tr>
</thead>
</table>
| Status Codes        | Common HTTP Status Codes:  
• 200 – Okay  
• 400 – Bad request  
• 403 – Forbidden  
• 500 – Internal server error |

Remittance Advice

Summary
This service provides Remittance Advice in JavaScript Object Notation (JSON) format to an external agency partner. Remittance Advice consists of IGT Buy/Sell Performance in “settled” status (i.e., for which funds have transferred from one TAS to another). This service is limited to one ALC for one Transfer Date, and can be called repeatedly if more ALCs or more dates are required.

*Note: Only an authorized Partner ID (and accompanying System ID) will elicit a response from G-Invoicing. See the System Integration Guide or G-Invoicing Playbook for information on how to partner with G-Invoicing, or contact us at IGT@fiscal.treasury.gov*

Entity Relationships

![Entity Relationships Diagram]
Get Remittance
This endpoint allows systems to extract Remittance Advice from G-Invoicing.

HTTP method: GET

Path: /ginv/services/v1_0/remittance/

Request:
Parameters
Name: SystemID
Description: Identifies the system that is exchanging data with G-Invoicing
In: header
Type: string [100]
Required: true

Name: agencyLocationCode
Description: Limits results to Remittance associated with the passed ALC
In: query
Type: string [8]
Required: true

Name: transferDate
Description: Limits results to Remittance settled on that date
In: query
Type: date; Format: YYYY-MM-DD
Required: true

Example
GET /ginv/services/v1_0/remittance?agencyLocationCode=17000001,
transferDate=2019-11-30
Host: ws.igt.fiscal.treasury.gov
Accept: application/json
Accept Encoding: gzip, deflate
Connection: Keep-Alive
Responses:

Bad Request

Content Type: application/json
Status Code: 400
Description: Remittance request could not be processed, returned with a message text containing the problem encountered (in the response).
Schema: errors

Example
{
  "callDetail": {
    "environment": "TEST",
    "recordCount": "1"
  },
  "errors": [
    {
      "code": "400",
      "message": "Invalid ALC"
    }
  ]
}

Forbidden (aka, unauthorized request)

Content Type: application/json
Status Code: 403
Description: User submitting the Remittance request was not authorized to view Order/Performance data or the System ID does not fall under the Partner ID (certificate).
Schema: errors

Internal Server Error

Content Type: application/json
Status Code: 500
Description: An unexpected error was encountered.
Schema: errors

Okay (aka, success)

Content Type: application/json
Status Code: 200
Description: Remittance request was successfully processed with a response containing settled details for the ALC and Transfer Date.
Schema: Remittance
Examples of Get Remittance success responses

Get Remittance successful response – with records returned

```
{
    "callDetail": {
        "environment": "TEST",
        "recordCount": "2"
    },
    "totalTransferAmt": 80988.24,
    "remittanceAdvice": [
        {
            "performanceNbr": "P1910-010-020-005510",
            "performanceDt": "2019-05-15T06:00:00Z",
            "transactionDt": "2019-10-10T15:09:10.715Z",
            "performanceTypeCd": "548",
            "performanceTypeDesc": "Advance",
            "performanceDetailNbr": 1,
            "quantity": 2.51,
            "performanceStatusCd": "STL",
            "disbursingOfficeSymbol": "GI000",
            "documentRefNbr": "00018961",
            "transferDt": "2019-10-10T19:00:00Z",
            "transferDetailAmt": 7.53,
            "reqTransferBETC": "DISB",
            "srvTransferBETC": "COLL",
            "order": {
                "orderNbr": "01809-010-020-000224",
                "gtcNbr": "A1805-010-020-003002",
                "orderCreateDt": "2018-09-04T19:36:32.208Z",
                "orderModNbr": 0,
                "reqOrderTrackingId": "1234567",
                "reqAcct": "00004689",
                "FobPoint": "D",
                "srvOrderTrackingId": "1234567",
                "srvAcct": "00002032",
                "orderStartDt": "2018-06-08T10:30:47Z",
                "orderEndDt": "2019-06-17T10:30:47Z",
                "FundingOfficeCd": "A23456",
                "FundingAgencyCd": "A234",
                "reqUniqueEntityId": "AB1234567890",
                "orderOrigPartnerInd": "R",
                "reqGroupUUID": "57bc88e-ad41-4d30-9f6b-ff15af484be4",
                "reqGroupNm": "Requesting Group Name",
                "srvGroupUUID": "c5f4bf33-2b60-4379-9ee3-d5574bd43c7c",
                "srvGroupNm": "Servicing Group Name"
            },
            "reqSchedule": {
                "lineNbr": 1,
                "orderScheduleNbr": 2,
                "quantity": 10,
                "reqBusEventTypeCd": "DISB",
                "reqAcctClassRefNbr": "zz",
                "reqAgencyAcctId": 876543,
                "reqActivityId": "12345678asdfghjk"
            }
        }
    ]
}
```
"reqAddtlAcctClass": "testing for New order",
"reqBudgetLineItem": "Gigi1234",
"reqAvailabilityTypeCd": "X",
"reqAgencyId": "010",
"reqAllocTransferAgcyId": "015",
"reqMainAcctCd": "0030",
"reqSubAccountCd": "003",
"reqCostCenterId": "gigi1234465",
"reqCostElement": "zxcvbnm112345678",
"reqAgencyDisbId": "ew123445679",
"reqFunctionalArea": "gigi1234gigi1234",
"reqObjectClassCd": "11.1",
"reqProjectId": "Work release 11",
"reqReimbursableInd": "D",
"reqSecCooperationCaseDesg": "ew12",
"reqSecurityCooperation": "FMS",
"reqSecCoopCaselineitemID": "AJW",
"reqSecCoopImplAgency": "B",
"reqSubAllocation": "eaw2",
"reqWorkOrder": "GigiGigi34567890",
"reqActivityAddressCd": "ABC123"
},
"srvSchedule": {
  "srvBusEventTypeCd": "COLL",
  "srvAvailabilityTypeCd": "X",
  "srvAgencyId": "010",
  "srvAllocTransferAgcyId": "015",
  "srvMainAcctCd": "0930",
  "srvSubAccountCd": "003",
  "srvActivityAddressCd": "XYZ987"
  }},
  {
    "performanceNbr": "P1908-010-020-004879",
    "refPerformanceNbr": "P1907-010-020-003524",
    "performanceDt": "2019-08-12T14:49.411Z",
    "transactionDt": "2019-08-12T14:17:49.411Z",
    "performanceTypeCd": "050",
    "performanceTypeDesc": "Received/Accepted",
    "performanceDetailNbr": 1,
    "performanceRefDetailNbr": 1,
    "quantity": -2,
    "performanceStatusCd": "STL",
    "disbursingOfficeSymbol": "GI000",
    "documentRefNbr": "00017723",
    "transferDt": "2019-08-12T19:00:00Z",
    "transferDetailAmt": 20,
    "reqTransferBETC": "DISBAJ",
    "srvTransferBETC": "COLLAJ",
    "order": {
      "orderNbr": "O1904-010-020-000040",
      "gtcNbr": "A1711-010-020-000040",
      "orderCreateDt": "2019-04-11T16:30:17.665Z"}
"orderModNbr": 0,
"reqAlc": "00004689",
"fobPoint": "D",
"srvAlc": "00002032",
"orderStartDt": "2018-05-07T21:05:37.534Z",
"orderEndDt": "2020-06-07T21:05:37.534Z",
"fundingOfficeCd": "A23456",
"fundingAgencyCd": "A234",
"reqUniqueEntityId": "AB1234567890",
"srvUniqueEntityId": "XY1234567890"
"orderOrigPartnerInd": "S",
"reqGroupUUID": "38dff8d2-ac87-437a-ab62-a777ef2f46a2"
"reqGroupNm": "Buyer Group Name"
"srvGroupUUID": "08e7a9ab-98ed-4bcb-b1c5-80f28ace999"
"srvGroupNm": "Seller Group Name"
}
"reqSchedule": {
"lineNbr": 1,
"orderScheduleNbr": 1,
"quantity": 25,
"reqBusEventTypeCd": "DISB",
"reqAddtlAcctClass": "does this work",
"reqAvailabilityTypeCd": "X",
"reqAgencyId": "010",
"reqAllocTransferAgcyId": "015",
"reqMainAcctCd": "0030",
"reqSubAccountCd": "003"
},
"srvSchedule": {
"srvBusEventTypeCd": "COLL",
"srvAcctClassRefNbr": "aa",
"srvAvailabilityTypeCd": "X",
"srvAgencyId": "010",
"srvAllocTransferAgcyId": "015",
"srvMainAcctCd": "0030",
"srvSubAccountCd": "003"
},
"performanceRefDtl": {
"performanceNbr": "P1907-010-020-003524",
"refPerformanceDt": "2019-08-12T14:17:49.411Z",
"refTransactionDt": "2019-08-12T14:17:49.411Z",
"refPerformanceTypeCd": "050",
"refPerformanceTypeDesc": "Received/Accepted",
"refPerformanceDetailNbr": 1,
"refQuantity": 5,
"refPerformanceStatusCd": "STL",
"refDisbursingOfficeSymbol": "GI000",
"refDocumentRefNbr": "00017723",
"refTransferDt": "2019-08-12T19:00:00Z",
"refTransferDetailAmt": 50
}
Get Remittance successful response – no records returned
{
    "callDetail": {
        "environment": "TEST",
        "recordCount": "0"
    }
}

Appendix A: errors JSON Schema
{
    "type": "object",
    "properties": {
        "callDetail": {
            "type": "object",
            "properties": {
                "environment": {
                    "type": "string"
                },
                "recordCount": {
                    "type": "string"
                }
            }
        }
    },
    "errors": {
        "type": "array",
        "items": {
            "type": "object",
            "properties": {
                "code": {
                    "type": "string"
                },
                "message": {
                    "type": "string"
                }
            }
        }
    }
}

}
Appendix B: remittanceAdvice JSON Schema

```json
{
    "type": "object",
    "properties": {
        "callDetail": {
            "type": "object",
            "properties": {
                "environment": {
                    "type": "string"
                },
                "recordCount": {
                    "type": "string"
                }
            }
        },
        "totalTransferAmt": {
            "type": "number"
        },
        "remittanceAdvice": {
            "type": "array",
            "items": {
                "type": "object",
                "properties": {
                    "performanceNbr": {
                        "type": "string"
                    },
                    "refPerformanceNbr": {
                        "type": "string"
                    },
                    "agencyTransactionId": {
                        "type": "string"
                    },
                    "performanceDt": {
                        "type": "string",
                        "format": "date-time"
                    },
                    "transactionDt": {
                        "type": "string",
                        "format": "date-time"
                    },
                    "accountingPeriod": {
                        "type": "integer"
                    },
                    "performanceTypeCd": {
                        "type": "string"
                    },
                    "performanceTypeDesc": {
                        "type": "string"
                    },
                    "performanceDetailNbr": {
                        "type": "integer"
                    },
                    "performanceRefDetailNbr": {
                        "type": "integer"
                    }
                }
            }
        }
    }
}
```
"finalPerformanceInd": {
  "type": "string"
},
"quantity": {
  "type": "number"
},
"performanceStatusCd": {
  "type": "string"
},
"disbursingOfficeSymbol": {
  "type": "string"
},
"documentRefNbr": {
  "type": "string"
},
"transferDt": {
  "type": "string",
  "format": "date-time"
},
"transferDetailAmt": {
  "type": "number"
},
"reqTransferBETC": {
  "type": "string"
},
"srvTransferBETC": {
  "type": "string"
},
"order": {
  "type": "object",
  "properties": {
    "orderNbr": {
      "type": "string"
    },
    "gtcNbr": {
      "type": "string"
    },
    "orderCreateDt": {
      "type": "string",
      "format": "date-time"
    },
    "orderModNbr": {
      "type": "integer"
    },
    "reqOrderTrackingId": {
      "type": "string"
    },
    "reqAlc": {
      "type": "string"
    },
    "fobPoint": {
      "type": "string"
    },
    "srvOrderTrackingId": {
      "type": "string"
    }
  }
}
"srvAlc": {  
  "type": "string"
},
"orderStartDt": {  
  "type": "string",
  "format": "date-time"
},
"orderEndDt": {  
  "type": "string",
  "format": "date-time"
},
"fundingOfficeCd": {  
  "type": "string"
},
"fundingAgencyCd": {  
  "type": "string"
},
"reqUniqueEntityId": {  
  "type": "string"
},
"srvUniqueEntityId": {  
  "type": "string"
},
"orderOrigPartnerInd": {  
  "type": "string"
},
"reqGroupUUID": {  
  "type": "string"
},
"reqGroupNm": {  
  "type": "string"
},
"srvGroupUUID": {  
  "type": "string"
},
"srvGroupNm": {  
  "type": "string"
}
},
"reqSchedule": {  
  "type": "object",
  "properties": {  
    "lineNbr": {  
      "type": "integer"
    },
    "quantity": {  
      "type": "integer"
    },
    "orderScheduleNbr": {  
      "type": "integer"
    },
    "reqBusEventTypeCd": {  
      "type": "string"
    }
  }
}


```json
}

"reqAcctClassRefNbr": {
  "type": "string"
},

"reqAgencyAcctId": {
  "type": "integer"
},

"reqActivityId": {
  "type": "string"
},

"reqAddtlAcctClass": {
  "type": "string"
},

"reqBudgetLineItem": {
  "type": "string"
},

"reqAvailabilityTypeCd": {
  "type": "string"
},

"reqAgencyId": {
  "type": "string"
},

"reqAllocTransferAgcyId": {
  "type": "string"
},

"reqBeginningPeriodAvail": {
  "type": "string"
},

"reqEndingPeriodAvail": {
  "type": "string"
},

"reqMainAcctCd": {
  "type": "string"
},

"reqSubLevelPrefixCd": {
  "type": "string"
},

"reqSubAccountCd": {
  "type": "string"
},

"reqCostCenterId": {
  "type": "string"
},

"reqCostElement": {
  "type": "string"
},

"reqAgencyDisbId": {
  "type": "integer"
},

"reqFunctionalArea": {
  "type": "string"
},

"reqFundingCenterId": {
  "type": "string"
}
```
"reqObjectClassCd": {
  "type": "string"
},
"reqProjectId": {
  "type": "string"
},
"reqReimbursableInd": {
  "type": "string"
},
"reqSecCooperationCaseDesg": {
  "type": "string"
},
"reqSecurityCooperation": {
  "type": "string"
},
"reqSecCoopCaseLineitemId": {
  "type": "string"
},
"reqSecCoopImplAgency": {
  "type": "string"
},
"reqSubAllocation": {
  "type": "string"
},
"reqWorkOrder": {
  "type": "string"
},
"reqActivityAddressCd": {
  "type": "string"
}
},
"srvSchedule": {
  "type": "object",
  "properties": {
    "srvBusEventTypeCd": {
      "type": "string"
    },
    "srvAcctClassRefNbr": {
      "type": "string"
    },
    "srvAgencyAcctId": {
      "type": "integer"
    },
    "srvActivityId": {
      "type": "string"
    },
    "srvAddtlAcctClass": {
      "type": "string"
    },
    "srvAvailabilityTypeCd": {
      "type": "string"
    },
    "srvAgencyId": {
      "type": "string"
    }
  }
}


```json
{
    "srvAllocTransferAgcyId": {
        "type": "string"
    },
    "srvBeginningPeriodAvail": {
        "type": "string"
    },
    "srvEndingPeriodAvail": {
        "type": "string"
    },
    "srvMainAcctCd": {
        "type": "string"
    },
    "srvSubLevelPrefixCd": {
        "type": "string"
    },
    "srvSubAccountCd": {
        "type": "string"
    },
    "srvCostCenterId": {
        "type": "string"
    },
    "srvCostElement": {
        "type": "string"
    },
    "srvAgencyDisbId": {
        "type": "integer"
    },
    "srvFunctionalArea": {
        "type": "string"
    },
    "srvFundingCenterId": {
        "type": "string"
    },
    "srvProjectId": {
        "type": "string"
    },
    "srvSecCooperationCaseDesg": {
        "type": "string"
    },
    "srvSecurityCooperation": {
        "type": "string"
    },
    "srvSecCoopCaseLineitemId": {
        "type": "string"
    },
    "srvSecCoopImplAgency": {
        "type": "string"
    },
    "srvSubAllocation": {
        "type": "string"
    },
    "srvWorkOrder": {
        "type": "string"
    }
}
```
"srvActivityAddressCd": {
  "type": "string"
}

"performanceRefDtl": {
  "type": "object",
  "properties": {
    "performanceNbr": {
      "type": "string"
    },
    "refAgencyTransactionId": {
      "type": "string"
    },
    "refPerformanceDt": {
      "type": "string",
      "format": "date-time"
    },
    "refTransactionDt": {
      "type": "string",
      "format": "date-time"
    },
    "refAccountingPeriod": {
      "type": "integer"
    },
    "refPerformanceTypeCd": {
      "type": "string"
    },
    "refPerformanceTypeDesc": {
      "type": "string"
    },
    "refPerformanceDetailNbr": {
      "type": "integer"
    },
    "refQuantity": {
      "type": "integer"
    },
    "refPerformanceStatusCd": {
      "type": "string"
    },
    "refDisbursingOfficeSymbol": {
      "type": "string"
    },
    "refDocumentRefNbr": {
      "type": "string"
    },
    "refTransferDt": {
      "type": "string",
      "format": "date-time"
    },
    "refTransferDetailAmt": {
      "type": "number"
    }
  }
}
## Appendix C: Revision History

<table>
<thead>
<tr>
<th>Vers. Num.</th>
<th>Date of Change</th>
<th>G-Inv Rel.</th>
<th>Change/Revision Description</th>
<th>Page/Section Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>11/22/19</td>
<td>TBD</td>
<td>Initial draft for internal review.</td>
<td>All</td>
</tr>
<tr>
<td>0.2</td>
<td>11/26/19</td>
<td>TBD</td>
<td>Folded in JSON schemas and samples.</td>
<td>All</td>
</tr>
<tr>
<td>1.0</td>
<td>11/26/19</td>
<td>TBD</td>
<td>Removed draft watermark after review w/ PO. Changed transferAmt to transferDetailAmt.</td>
<td>All</td>
</tr>
<tr>
<td>1.1</td>
<td>1/31/20</td>
<td>TBD</td>
<td>Renamed performanceDetailNum to performanceDetailNbr. Renamed performanceRefDetailNum to performanceRefDetailNbr. Renamed refPerformanceDetailNum to refPerformanceDetailNbr. Renamed refAgencyPerformanceId to refAgencyTransactionId. Added totalTransferAmt element. Note: None of these changes were made to the reporting database. That will be done when the API is actually built.</td>
<td>Appendix B, JSON Example</td>
</tr>
<tr>
<td>1.2</td>
<td>3/5/20</td>
<td>TBD</td>
<td>1. Changed all dates to &quot;type&quot;: &quot;string&quot;, &quot;format&quot;: &quot;date-time&quot; 2. Dropped BPN and BPN+4 as per Order FIDS changes 3. Added fundingOfficeCode as per Order FIDS changes 4. Added fundingAgencyCode as per Order FIDS changes 5. Added requestingUniqueEntityIdentifier as per FIDS changes 6. Added servicingUniqueEntityIdentifier as per FIDS changes 7. Changed type for Quantity from integer to number Note: None of these changes were made to the reporting database. That will be done when the API is actually built.</td>
<td>Appendix B, JSON Example</td>
</tr>
<tr>
<td>1.3</td>
<td>3/24/20</td>
<td>TBD</td>
<td>transferAmt in schema should be transferDetailAmt, as per v1.0 change above</td>
<td>Examples</td>
</tr>
<tr>
<td>1.4</td>
<td>5/15/20</td>
<td>TBD</td>
<td>Added reqActivityAddressCd to reqSchedule. Added srvActivityAddressCd to srvSchedule.</td>
<td>Examples</td>
</tr>
<tr>
<td>1.4.1</td>
<td>1/27/21</td>
<td>TBD</td>
<td>Dropped remaining BPN+4 data element from JSON sample that should have been dropped with the 3/5/2020 change.</td>
<td>Examples</td>
</tr>
<tr>
<td>1.5.1</td>
<td>5/17/21</td>
<td>4.3</td>
<td>Due to r4.0 access model changes, a 403 error cannot detect missing ALC access, only a missing role or a bad Partner/System ID combination. Client gets back whatever remittance data their Group assignment(s) provide.</td>
<td>Responses &gt; Bad Request On Page 3</td>
</tr>
</tbody>
</table>

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**End of Specification**