G-Invoicing Remittance Advice API

Description/Purpose
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.

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

[Diagram of entity relationships]

Order

Requesting Schedule

Performance Detail (root)

Servicing Schedule

Performance Reference
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 does not have access to the requested ALC.
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 – no records returned
{
   "callDetail": {
       "environment": "TEST",
       "recordCount": "0"
   }
}

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,
           "order": {
               "orderNbr": "O1809-010-020-000224",
               "gtcNbr": "A1805-010-020-003002",
               "orderCreateDt": "2018-09-04T19:36:32.208Z",
               "orderModNbr": 0,
               "reqOrderTrackingId": "1234567",
               "reqA1c": "00004689",
               "fobPoint": "D",
               "srvOrderTrackingId": "1234567",
               "srvA1c": "00002032",
               "orderStartDt": "2018-06-08T10:30:47Z",
               "orderEndDt": "2019-06-17T10:30:47Z",
               "fundingOfficeCd": "A23456",
               "fundingAgencyCd": "A234",
               "reqUniqueEntityId": "AB1234567890",
               "srvUniqueEntityId": "XY1234567890"
           },
           "reqSchedule": {
               "lineNbr": 1,
               "orderScheduleNbr": 2,
               "quantity": 10,
               "reqBusEventTypeCd": "DISB",
               "reqAcctClassRefNbr": "zz",
               "reqScheduleLine": {
                   "lineNbr": 1,
                   "reqOrderTrackingId": "1234567",
                   "reqA1c": "00004689",
                   "fobPoint": "D",
                   "srvOrderTrackingId": "1234567",
                   "srvA1c": "00002032",
                   "orderStartDt": "2018-06-08T10:30:47Z",
                   "orderEndDt": "2019-06-17T10:30:47Z",
                   "fundingOfficeCd": "A23456",
                   "fundingAgencyCd": "A234",
                   "reqUniqueEntityId": "AB1234567890",
                   "srvUniqueEntityId": "XY1234567890"
               }
           }
       }
   ]
}
"reqAgencyAcctId": 876543,
"reqActivityId": "12345678asdfghjk",
"reqAddtlAcctClass": "testing for New order",
"reqBudgetLineItem": "Gigi1234",
"reqBusPrtnrNtwrkPlusFour": "1234",
"reqAvailabilityTypeCd": "X",
"reqAgencyId": "010",
"req AllocTransferAgcyId": "015",
"reqMainAcctCd": "0930",
"reqSubAccountCd": "003",
"reqCostCenterId": "gigi123465",
"reqCostElement": "zxcvbnmli2345678",
"reqAgencyDisbId": "12345678",
"reqFunctionalArea": "gigi1234gigigigi1234",
"reqFundingCenterId": "ew123445679",
"reqObjectClassCd": "11.1",
"reqProjectId": "Work release 11",
"reqReimbursableInd": "D",
"reqSecCooperationCaseDesg": "ew12",
"reqSecurityCooperation": "FMS",
"reqSecCoopCaseLineitemId": "AJW",
"reqSecCoopImplAgency": "B",
"reqSubAllocation": "eaw2",
"reqWorkOrder": "GigiGigi34567890"
},
"srvSchedule": {
　"srvBusEventTypeCd": "COLL",
　"srvAvailabilityTypeCd": "X",
　"srvAgencyId": "010",
　"srvAllocTransferAgcyId": "015",
　"srvMainAcctCd": "0930",
　"srvSubAccountCd": "003"
}
"performanceNbr": "P1908-010-020-004879",
"refPerformanceNbr": "P1907-010-020-003524",
"performanceDt": "2019-08-12T14:49:41.112",
"transactionDt": "2019-08-12T14:49:41.112",
"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,
"order": {
　"orderNbr": "O1904-010-020-003810",
　"gtcNbr": "A1711-010-020-000040",
　"orderCreateDt": "2019-04-11T16:30:17.665Z",
　"orderModNbr": 0,
　"reqAlc": "00004689",
}
Appendix A: errors JSON Schema

```json
{
    "type": "object",
    "properties": {
        "callDetail": {
            "type": "object",
            ...  
        }
    }
}
```
Appendix B: remittanceAdvice JSON Schema
{
    "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": {
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},
"order": {
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    "properties": {
        "orderNbr": {
            "type": "string"
        }
    }
}
"gtcNbr": {
    "type": "string"
},
"orderCreateDt": {
    "type": "string",
    "format": "date-time"
},
"orderModNbr": {
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"reqOrderTrackingId": {
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},
"reqAlc": {
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"fobPoint": {
    "type": "string"
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"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"
}
"reqSchedule": {
    "type": "object",
    "properties": {
        "lineNbr": {
            "type": "integer"
        },
        "quantity": {
            "type": "integer"
        }
    }
}

{
  "orderScheduleNbr": {
    "type": "integer"
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    "type": "string"
  },
  "reqAcctClassRefNbr": {
    "type": "string"
  },
  "reqAgencyAcctId": {
    "type": "integer"
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  "reqActivityId": {
    "type": "string"
  },
  "reqAddtlAcctClass": {
    "type": "string"
  },
  "reqBudgetLineItem": {
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  "reqAvailabilityTypeCd": {
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  "reqAllocTransferAgcyId": {
    "type": "string"
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  },
  "reqEndingPeriodAvail": {
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  "reqMainAcctCd": {
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  "reqSubLevelPrefixCd": {
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  "reqSubAccountCd": {
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  "reqCostElement": {
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  "reqAgencyDisbId": {
    "type": "integer"
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}
"reqFunctionalArea": {
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"reqFundingCenterId": {
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},
"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"
}

"srvSchedule": {
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    "properties": {
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        },
        "srvAcctClassRefNbr": {
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        },
        "srvAgencyAcctId": {
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        },
        "srvActivityId": {
            "type": "string"
        },
        "srvAddtlAcctClass": {
            "type": "string"
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        "srvAvailabilityTypeCd": {
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    }
}
"srvAgencyId": {
  "type": "string"
},
"srvAllocTransfAgencyId": {
  "type": "string"
},
"srvBeginningPeriodAvail": {
  "type": "string"
},
"srvEndingPeriodAvail": {
  "type": "string"
},
"srvMainAcctCd": {
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},
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"srvCostElement": {
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"srvProjectId": {
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},
"srvSecurityCooperation": {
  "type": "string"
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"srvSecCoopCaseLineitemId": {
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},
"srvSubAllocation": {
  "type": "string"
}
"srvWorkOrder": {
  "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 refPerfromanceDetailNum 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>Appendix B</td>
</tr>
</tbody>
</table>

_End of Specification_