

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: <ul style="list-style-type: none"> • 200 – Okay • 400 – Bad request • 403 – Forbidden • 500 – Internal server error

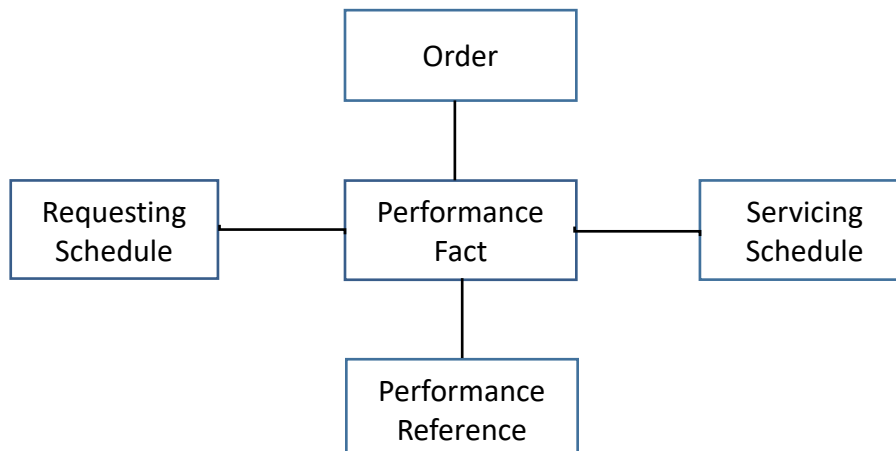
Remittance Advice

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



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

Note: transferDate parameter assumes date is UTC

Example

GET /ginv/services/v1_0/remittance?agencyLocationCode=17000001,
transferDate=2022-11-30

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": "DEVF",
    "recordCount": "1"
  },
  "errors": [
    {
      "code": "400",
      "message": "Transfer Date invalid. Must be in YYYY-MM-DD format."
    }
  ]
}
```

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": "DEVF",
    "recordCount": "1"
  },
  "totalTransferAmt": 10,
  "remittanceAdvice": [
    {
      "performanceNbr": "P2210-015-015-085198",
      "performanceDt": "2022-10-05T02:04:17.226Z",
      "transactionDt": "2022-10-05T02:04:17.406Z",
      "accountingPeriod": 202212,
      "performanceTypeCd": "548",
      "performanceTypeDesc": "Advance",
      "performanceDetailNbr": 1,
      "quantity": 10,
      "performanceStatusCd": "STL",
      "disbursingOfficeSymbol": "GI000",
      "documentRefNbr": "00063747",
      "transferDt": "2022-10-05T02:04:42.918Z",
      "transferDetailAmt": 10,
      "reqTransferBETC": "DISNGF",
      "srvTransferBETC": "COLL",
      "order": {
        "orderNbr": "02210-015-015-164267",
        "gtcNbr": "A2112-015-015-012619",
        "orderCreateDt": "2022-10-05T01:58:42.653Z",
        "orderModNbr": 0,
        "reqOrderTrackingId": "OrderTrackingIdentifier",
        "reqAlc": "15100419",
        "fobPoint": "D",
        "srvOrderTrackingId": "Requesting Agency Order Number",
        "srvAlc": "15100413",
        "orderStartDt": "2020-12-02T09:30:47Z",
        "orderEndDt": "2023-06-17T09:30:47Z",
        "fundingOfficeCd": "Verify",
        "fundingAgencyCd": "Fund",
        "reqUniqueEntityId": "RequestinUEI",
        "srvUniqueEntityId": "ServicingUEI",
        "orderOrigPartnerInd": "R",
        "reqGroupUUID": "03319bdf-cac7-4a3a-9579-2c7338acbc1d",
        "reqGroupNm": "Agency - Group 1",
        "srvGroupUUID": "03319bdf-cac7-4a3a-9579-2c7338acbc1d",
        "srvGroupNm": "Agency - Group 1"
      }
    }
  ]
}
```

```
},
"reqSchedule": {
  "lineNbr": 1,
  "quantity": 1000000,
  "orderScheduleNbr": 1,
  "reqBusEventTypeCd": "DISNGF",
  "reqAcctClassRefNbr": "AC",
  "reqAgencyAcctId": 876543,
  "reqActivityId": "ActivityIdentifi",
  "reqAddtlAcctClass": "AdditionalAccountingInformation",
  "reqBudgetLineItem": "BudgetLineItem",
  "reqAvailabilityTypeCd": "X",
  "reqAgencyId": "015",
  "reqMainAcctCd": "0130",
  "reqSubAccountCd": "000",
  "reqCostCenterId": "CostCenterIdenti",
  "reqCostElement": "CostElement",
  "reqAgencyDisbId": 12345678,
  "reqFunctionalArea": "FunctionalArea",
  "reqFundingCenterId": "FundingCenterIde",
  "reqObjectClassCd": "0.0",
  "reqProjectId": "ProjectIdentifier",
  "reqReimbursableInd": "R",
  "reqSecCooperationCaseDesg": "ew12",
  "reqSecurityCooperation": "FMS",
  "reqSecCoopCaseLineitemId": "AJW",
  "reqSecCoopImplAgency": "B",
  "reqSubAllocation": "SubA",
  "reqWorkOrder": "WorkOrderNumber",
  "reqActivityAddressCd": "Activi"
},
"srvSchedule": {
  "lineNbr": 1,
  "quantity": 1000000,
  "orderScheduleNbr": 1,
  "srvBusEventTypeCd": "COLL",
  "srvAcctClassRefNbr": "AC",
  "srvAgencyAcctId": 876543,
  "srvActivityId": "ActivityIdentifi",
  "srvAddtlAcctClass": "does this work",
  "srvBudgetLineItem": "BudgetLineItem",
  "srvAvailabilityTypeCd": "X",
  "srvAgencyId": "015",
  "srvMainAcctCd": "0130",
  "srvSubAccountCd": "000",
  "srvCostCenterId": "CostCenterIdenti",
  "srvCostElement": "CostElement",
  "srvAgencyDisbId": 12345678,
```

```
    "srvFunctionalArea": "FunctionalArea",
    "srvFundingCenterId": "FundingCenterIde",
    "srvObjectClassCd": "0.0",
    "srvProjectId": "ProjectIdentifier",
    "srvReimbursableInd": "R",
    "srvSecCooperationCaseDesg": "ew12",
    "srvSecurityCooperation": "FMS",
    "srvSecCoopCaselineitemId": "AJW",
    "srvSecCoopImplAgency": "B",
    "srvSubAllocation": "SubA",
    "srvWorkOrder": "WorkOrderNumber",
    "srvActivityAddressCd": "Activi"
  }
}
]
```

Get Remittance successful response – no records returned

```
{
  "callDetail": {
    "environment": "DEVF",
    "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

```

{
  "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"
    },
    "orderCreatedDt": {
      "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"
    }
  }
}
```

```
    },
    "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": {
        "lineNbr": {
          "type": "integer"
        },
        "quantity": {
          "type": "integer"
        },
        "orderScheduleNbr": {
          "type": "integer"
        },
        "srvBusEventTypeCd": {
          "type": "string"
        },
        "srvAcctClassRefNbr": {
          "type": "string"
        },
        "srvAgencyAcctId": {
          "type": "integer"
        },
        "srvActivityId": {
          "type": "string"
        }
      }
    }
  }
}
```

```
    },
    "srvAddtlAcctClass": {
      "type": "string"
    },
    },
    "srvBudgetLineItem": {
      "type": "string"
    },
    },
    "srvAvailabilityTypeCd": {
      "type": "string"
    },
    },
    "srvAgencyId": {
      "type": "string"
    },
    },
    "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"
    },
    },
    "srvObjectClassCd": {
      "type": "string"
    },
    },
    "srvProjectId": {
      "type": "string"
    },
    },
    "srvReimbursableInd": {
      "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

Vers. Num.	Date of Change	G-Inv Rel.	Change/Revision Description	Page/Section Affected
0.1	11/22/19	TBD	Initial draft for internal review.	All
0.2	11/26/19	TBD	Folded in JSON schemas and samples.	All
1.0	11/26/19	TBD	Removed draft watermark after review w/ PO. Changed transferAmt to transferDetailAmt.	All
1.1	1/31/20	TBD	Renamed performanceDetailNum to performanceDetailNbr. Renamed performanceRefDetailNum to performanceRefDetailNbr. Renamed refPerformanceDetailNum to refPerformanceDetailNbr. Renamed refAgencyPerformanceCld to refAgencyTransactionId. Added totalTransferAmt element. <i>Note: None of these changes were made to the reporting database. That will be done when the API is actually built.</i>	Appendix B, JSON Example
1.2	3/5/20	TBD	1. Changed all dates to "type": "string", "format": "date-time" 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 <i>Note: None of these changes were made to the reporting database. That will be done when the API is actually built.</i>	Appendix B, JSON Example
1.3	3/24/20	TBD	transferAmt in schema should be transferDetailAmt, as per v1.0 change above	Examples Appendix B
1.4	5/15/20	TBD	Added reqActivityAddressCd to reqSchedule. Added srvActivityAddressCd to srvSchedule.	Examples Appendix B
1.4.1	1/27/21	TBD	Dropped remaining BPN+4 data element from JSON sample that should have been dropped with the 3/5/2020 change.	Examples
1.5	5/3/21	4.3	1. Changed Performance Details entity to Performance Fact <i>Draft for DoD review:</i> 2. Added Requesting and Servicing Performance BETCs 3. Added Requesting and Servicing Group Name and UUID 4. Added Order Originating Partner Indicator	1. Entity Relationships 2-4. Response Schema and Sample
1.5.1	5/17/21	4.3	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.	Responses > Bad Request On Page 3
1.6	10/12/22	4.6.1	1. Added additional note indicating the transferDate parameter assumes date passed is UTC. 2. Updated examples to indicate corrected JSON responses 3. Updated remittanceAdvice JSON Schema to indicate added srvSchedule fields (Line Number, Schedule Number, Quantity, Budget Line Item, Object Class Code and Reimbursable Indicator)	1. Request Parameters 2. Responses throughout 3. Appendix B

End of Specification