

PostServiceConfirmationcXML (POST)

Overview

This POST API allows pushing Service Confirmation posted in ERP into SMART by GEP for further processing.

URL Format: <https://api-smartqc.gep.com/SmartInterfaceAPI/api/ServiceConfirmation/ServiceConfirmationDetails>

Request

```
{
  "serviceConfirmationRequestHeader": {
    "serviceConfirmationNumber": "string",
    "partnerServiceConfirmationNumber": "string",
    "description": "string",
    "operation": "string",
    "orderNumber": "string",
    "orderName": "string",
    "currency": "string",
    "submittedBy": "string",
    "submittedOn": "2020-05-28T13:26:07.239Z",
    "serviceConfirmationName": "string",
    "serviceConfirmationStatus": "string",
    "serviceConfirmationApprover": "string",
    "createdBy": "string",
    "totalAmount": 0,
    "clientPartnerCode": "string",
    "serviceStartDate": "2020-05-28T13:26:07.239Z",
    "serviceEndDate": "2020-05-28T13:26:07.239Z",
    "workLocation": "string",
    "headerComments": [
```

```
{
  "commentText": "string",
  "accessType": "string",
  "commentAttachment": [
    {
      "fileName": "string",
      "fileUri": "string",
      "extension": "string",
      "contentTypeEncoding": "string",
      "attachmentData": "string"
    }
  ]
},
"headerEntity": [
  {
    "entityCode": "string",
    "isDefault": true,
    "entityType": "string",
    "lobEntityCode": "string"
  }
],
"lob": {
  "entityCode": "string",
  "isDefault": true,
  "entityType": "string",
  "lobEntityCode": "string"
},
"sourceSystem": "string",
"serviceConfirmationDate": "2020-05-28T13:26:07.240Z",
"fieldSupervisorID": "string",
"originatingSourceSystem": "string",
"isERS": true,
"tax": 0
```

```
},
"serviceConfirmationOrder": {
  "orderID": "string",
  "serviceConfirmationItem": [
    {
      "serviceConfirmationLineNumber": 0,
      "description": "string",
      "quantity": 0,
      "unitOfMeasure": "string",
      "unitPrice": 0,
      "poLineNumber": 0,
      "itemType": "string",
      "itemExtendedType": "string",
      "contractNumber": "string",
      "categoryName": "string",
      "serviceStartDate": "2020-05-28T13:26:07.240Z",
      "serviceEndDate": "2020-05-28T13:26:07.240Z",
      "consumedDate": "2020-05-28T13:26:07.240Z",
      "manufacturerPartID": "string",
      "manufacturerName": "string",
      "supplierPartID": "string",
      "subLine": 0,
      "scParentLine": 0,
      "serviceLocation": {
        "locationName": "string",
        "locationNumber": "string",
        "address": {
          "addressline1": "string",
          "addressline2": "string",
          "addressline3": "string",
          "city": "string",
          "zipCode": "string",
          "stateInfo": {
            "stateAbbreviationCode": "string",
```

```
        "stateName": "string"
    },
    "countryInfo": {
        "countryCode": "string",
        "countryName": "string"
    },
    "phoneNo1": "string",
    "extenstionNo1": "string",
    "phoneNo2": "string",
    "extenstionNo2": "string",
    "mobileNo": "string",
    "faxNo": "string",
    "county": "string"
},
"deliverTo": "string",
"registrationDetails": [
    {
        "companyIdentificationDisplayName": "string",
        "companyIdentification": "string"
    }
]
},
"itemSplit": [
    {
        "itemSplitEntities": [
            {
                "id": "string",
                "name": "string",
                "description": "string"
            }
        ],
        "charge": 0,
        "splitType": "string",
        "name": "string",
```

```
        "quantity": 0,
        "percentage": 0
    }
],
"lineComment": [
    {
        "commentText": "string",
        "accessType": "string",
        "commentAttachment": [
            {
                "fileName": "string",
                "fileUri": "string",
                "extension": "string",
                "contentTransferEncoding": "string",
                "attachmentData": "string"
            }
        ]
    }
],
"agreementID": "string",
"tax": 0,
"supplierPersonalName": "string"
}
]
}
```

Response

```
{,
"data": {},
"statusCode": "String",
"errorDetails": [
```

```

{
  "key": "string",
  "errors": [
    {
      "errorCode": "string",
      "errorDescription": "string"
    }
  ]
},
"successDetails": [
  {
    "key": "String"
  }
]
}

```

Data Elements

Model				
Property	Required?	Data type	Description	Validations/Exceptions
ServiceConfirmationRequestHeader	Yes	ServiceConfirmationRequestHeader object	Check data type ServiceConfirmationRequestHeader for details	
ServiceConfirmationOrder	Yes	ServiceConfirmationOrder object	Check ServiceConfirmationOrder for details	

ServiceConfirmationRequestHeader				
Property	Required?	Data type	Description	Validations/Exceptions
IsERS	No	Boolean		
WorkLocation	No	String		
ServiceEndDate	Yes	DateTime	ServiceConfirmation completion date	<ul style="list-style-type: none"> End date is mandatory

				<ul style="list-style-type: none"> End date for (documentNumber) cannot be less than Start date
ServiceStartDate	Yes	DateTime	ServiceConfirmation Start date	<ul style="list-style-type: none"> Start date is mandatory.
FieldSupervisorID	Yes	String		<ul style="list-style-type: none"> Field supervisor is mandatory FieldSupervisor is not mapped to LOB: (CustomerContact) FieldSupervisor is not mapped to BU: (CustomerContact) Invalid supervisor ID: (CustomerContact)
SubmittedOn	No	DateTime		
SubmittedBy	No	String		
ServiceConfirmationDate	Yes	DateTime	Serviceconfirmation Creation Date	<ul style="list-style-type: none"> Service Confirmation Date is mandatory Service Confirmation Date cannot be greater than current date
OrderName	No	String	Order Name for which SC is created	
OrderNumber	Yes	String	Order Number for which SC is created	<ul style="list-style-type: none"> Order Number is mandatory Cannot create service confirmation for order: (OrderNumber) as order is not in valid status. Invalid order number: (OrderNumber) Cannot create service confirmation for order as order is not in valid status
Description	No	String		
HeaderEntity	No	List of OrgEntity object	Check OrgEntity for details	
SourceSystem	No	String	SourceSystemName	
OriginatingSourceSystem	No	String	OriginatingSourceSystemName	
Tax	No	Decimal		
CreatedBy	No	String		
ServiceConfirmationStatus	No	String	Status of ServiceConfirmation	<ul style="list-style-type: none"> Service confirmation document cannot be cancelled as its invoice is not in Cancelled, Internally Cancelled or Draft status
LOB	No	String	Line of Business	
serviceConfirmationApprover		String	Service Confirmation Approver	

ServiceConfirmationName	No	String		
partnerServiceConfirmationNumber	Yes	String		<ul style="list-style-type: none"> Supplier is mandatory Invalid ClientLocationCode :'+ (SupplierCode)
clientPartnerCode	No	String		
HeaderComments	No	List of InterfaceComment object	Check InterfaceComment for details	
Operation	Yes	String	Operation of ServiceConfirmation i.e. new/update/Delete	<ul style="list-style-type: none"> Operation is mandatory Operation () is Invalid.
ServiceConfirmationNumber	Yes	String	ServiceConfirmation Number	<ul style="list-style-type: none"> ServiceConfirmation Number is mandatory Service confirmation number length cannot be greater than (Setting based- MaximumNumberOfCharactersForSupplierInvoiceNumber) Invalid ServiceConfirmation Number
Currency	Yes	String	Currency	<ul style="list-style-type: none"> Currency is mandatory for Split total of Item No: () Service confirmation cannot have different currency then that of order
TotalAmount	Yes	String		<ul style="list-style-type: none"> Total Amount cannot be negative

HeaderEntity				
Property	Required?	Data type	Description	Validations/Exceptions
EntityCode	No	String		
IsDefault	No	Boolean		
EntityType	No	String		
LOBEntityCode	No	String		

HeaderComments				
Property	Required?	Data type	Description	Validations/Exceptions
CommentText	No	String		
AccessType	No	String		

CommentAttachment	No	List of InterfaceCommentAttachment object	Check InterfaceCommentAttachment for details	
-----------------------------------	----	---	--	--

CommentAttachment				
Property	Required?	Data type	Description	Validations/Exceptions
FileName	No	String		
FileUri	No	String		
attachmentData		string	Data in attachment	
Extension		string	Extension	
contentTransferEncoding		string	Content Transfer Encoding	

ServiceConfirmationOrder				
Property	Required?	Data type	Description	Validations/Exceptions
OrderID	Yes	String	OrderID sor which SC is created	<ul style="list-style-type: none"> Order Number is mandatory Cannot create service confirmation for order (OrderNumber) as order is not in valid status Invalid order number:' + (OrderNumber)
ServiceConfirmationItem	Yes	List of ServiceConfirmationItem object	Check ServiceConfirmationItem for details	

ServiceConfirmationItem				
Property	Required?	Data type	Description	Validations/Exceptions
LineComment	No	List of InterfaceComment object	Check InterfaceComment for details	
ItemSplit	No	List of Accounting object	Check Accounting for details	
ScParentLine	Yes, if EnableGenericFlowForServiceConfirmation is true	Int		<ul style="list-style-type: none"> These validations exist only if setting (EnableGenericFlowForServiceConfirmation) is true: ServiceConfirmation SCParentline Number is mandatory ServiceConfirmation SCParentline Number length is greater than 9 digits for Item No: () Lines without subline cannot have duplicate scParentline number

SubLine	Yes, if EnableGenericFlowForServiceConfirmation is true	Int		<ul style="list-style-type: none"> • These Validations exist only if setting (EnableGenericFlowForServiceConfirmation) is true: • ServiceConfirmation Subline Number is mandatory • ServiceConfirmation Subline Number length is greater than 9 digits for Item No: ()
SupplierPartID	No	String		
LineNumber	Yes	Int	Order Line number	<ul style="list-style-type: none"> • ServiceConfirmation Line Number is mandatory • ServiceConfirmation Line Number for Item No: () is not a unique • ServiceConfirmation Line Number length is greater than 9 digits for Item No: () • There was an error in processing the service confirmation as the item(s) have invalid order line reference: () • Cannot create service confirmation for order (Ordernumber) as order line (orderlinenumber) is not in valid status or closed for receiving. • There was an error in processing the service confirmation as the item(s) () were closed for receiving in the order • There was an error in processing the service confirmation as Parent line ConsumedDate should be in Range of Order Date Requested and Date Needed for Line Reference:()
ManufacturerName	No	String		
ManufacturerPartID	No	String		
ConsumedDate	Yes	DateTime		<ul style="list-style-type: none"> • These validations exist only if setting

				<p>(EnableGenericFlowForServiceConfirmation) is true:</p> <ul style="list-style-type: none"> Consumed date is not supported for Service line Item(s): () Consumed date is mandatory for Material line Item(s): () Consumed date Cannot be greater than current date for Material line Item(s): () There was an error in processing the service confirmation as ConsumedDate Should be in Range of Order Startdate and Enddate for Line Reference: ()
CategoryName	Yes	String		<ul style="list-style-type: none"> Category is mandatory for line Number: ()
ServiceEndDate	Yes	DateTime	Service confirmation End date	<ul style="list-style-type: none"> These Validations exist only if setting (EnableGenericFlowForServiceConfirmation) is true: End date for Item No: () cannot be less than Start date Start date Or EndDate is mandatory for Service line Item(s): () End date Cannot be greater than current date for Service line Item(s): () Startdate or Enddate are not supported for Material line Item(s): () There was an error in processing the service confirmation as EndDate cannot be greater than PO EndDate for Line Number: ()
ServiceStartDate	Yes	DateTime	Service confirmation Start date	<ul style="list-style-type: none"> These Validations exist only if setting (EnableGenericFlowForServiceConfirmation) is true:

				<ul style="list-style-type: none"> Start date Or EndDate is mandatory for Service line Item(s): () Start date Cannot be greater than current date for Service line Item(s): (). Startdate or Enddate are not supported for Material line Item(s): (). There was an error in processing the service confirmation as StartDate cannot be less than PO StartDate for Line Number: ()
UnitPrice	Yes	Decimal	Unit Price for the Line Item	<ul style="list-style-type: none"> Unit price cannot be 0 for Item No: () Unit price cannot be negative for Item No: ()
UnitOfMeasure	Yes	String	Unit of Measure for the Line item	<ul style="list-style-type: none"> UOM is mandatory for Item No There was an error in processing the service confirmation as the UOM of item(s) () is Invalid
ServiceLocation	No	InterfaceShiptoLocation	Check InterfaceShiptoLocation for details	
ContractNumber	No	String		
ItemExtendedType	Yes, if EnableGenericFlowForServiceConfirmation is true	String		<ul style="list-style-type: none"> ItemExtendedType For Item No: () cannot be other than Fixed or Variable ItemExtendedType For Item No: () is not valid for Service Line Item There was an error in processing the service confirmation as the parent line item(s) have invalid Item Type or Item Extended Type mapped to given order line reference: () <p>Below validation is only if setting (EnableGenericFlowForServiceConfirmation=true)</p>

				<ul style="list-style-type: none"> ItemExtendedType For Item No: () is mandatory
ItemType	Yes	String		<ul style="list-style-type: none"> ItemType For Item No: () is not a valid Item Type Below validation is only if setting (EnableGenericFlowForServiceConfirmation=true) ItemType For Item No: " + (i + 1) + " is mandatory
Quantity	Yes	Decimal		<ul style="list-style-type: none"> Quantity is mandatory for Item No: ()
Description	No	String		
ServiceConfirmationLineNumber	Yes	int		<ul style="list-style-type: none"> ServiceConfirmation Line Number is mandatory ServiceConfirmation Line Number for Item No: () is not a unique ServiceConfirmation Line Number length is greater than 9 digits for Item No: () Invalid Items: Duplicate Line Item Number ()
AgreementID	No	String		
PoLineNumber	No	Int		
Tax	No	Decimal		
supplierPersonalName	No	String	Check supplierPersonalName	Validate supplierPersonalName field length upto 400 character

ItemSplit				
Property	Required?	Data type	Description	Validations/Exceptions
ItemSplitEntities	No	List of AccountingSegment object	Check Accounting Segment for details	<ul style="list-style-type: none"> It has duplicate Accounting entity for Item No:" ()
Charge	No	Decimal		<ul style="list-style-type: none"> Split total for Item No: () cannot be negative
SplitType	No	String		
Name	No	String		
Quantity	No	Decimal		
Percentage	No	Decimal		

ItemSplitEntities				
Property	Required?	Data type	Description	Validations/Exceptions
Id	No	String		<ul style="list-style-type: none"> There was an error in processing the service confirmation as the item(s) does not have Accounting entity code
Name	No	String		<ul style="list-style-type: none"> There was an error in processing the service confirmation as the item(s) has invalid Accounting entity type
Description	No	string		

ServiceLocation				
Property	Required?	Data type	Description	Validations/Exceptions
ShiptoLocationName	No	String		
ShiptoLocationNumber	No	String		
Address	No	InterfaceAddress object		
TelephoneNumber	No	Int		
RegistrationDetails	No	List of PartnerWiseldentificationDetail object		

Address				
Property	Required?	Data type	Description	Validations/Exceptions
IsdCode	No	String		
PoBoxNumber	No	String		
County	No	String		
FaxNo	No	String		
MobileNo	No	String		
ExtensionNo2	No	String		
PhoneNo2	No	String		
GeoCode	No	String		
ExtensionNo1	No	String		
CountryInfo	No	InterfaceCountryInfo object		
StateInfo	No	InterfaceStateInfo object		
ZipCode	No	String		
City	No	String		
Addressline3	No	String		

Addressline2	No	String		
Addressline1	No	String		
PhoneNo1	No	String		
AreaCode	No	String		

CountryInfo				
Property	Required?	Data type	Description	Validations/Exceptions
CountryCode	No	String		
CountryName	No	String		

StateInfo				
Property	Required?	Data type	Description	Validations/Exceptions
StateAbbrevationCode	No	String		
StateName	No	String		

RegistrationDetails				
Property	Required?	Data type	Description	Validations/Exceptions
CompanyIdentificationDisplay Name	No	String		
CompanyIdentification	No	String		

Examples

Success Scenario - Request

Request below describes that this contains only the mandatory attributes:

```
{
  "ServiceConfirmationRequestHeader": {
    "PartnerServiceConfirmationNumber": "SC_28_05_20_4",
    "ServiceConfirmationNumber": "SC_28_05_20_4",
    "Currency": "USD",
    "SubmittedOn": "0001-01-01T00:00:00",
    "ServiceConfirmationName": "BATCH Test Bulk Upload - Copy - Copy - Copy",
  }
}
```

```
"ServiceConfirmationStatus": "Approved",
"CreatedBy": "123@gep.com",
"TotalAmount": 0,
"ClientPartnerCode": "0050007745",
"ServiceStartDate": "2020-05-05T16:00:00",
"ServiceEndDate": "2020-05-05T16:00:00",
"WorkLocation": "dfsd",
"HeaderComments": [
  {
    "CommentText": "Header level comments %1%"
  }
],
"HeaderEntity": [
  {
    "EntityCode": "PC2",
    "IsDefault": false
  },
  {
    "EntityCode": "ElSegundo",
    "IsDefault": false
  },
  {
    "EntityCode": "ElSegundo-0061",
    "IsDefault": false
  },
  {
    "EntityCode": "0061",
    "IsDefault": false
  },
  {
    "EntityCode": "DRES",
    "IsDefault": false
  },
  {
```



```
    "EntityCode": "DPDS",
    "IsDefault": false
  },
  {
    "EntityCode": "3A2",
    "IsDefault": false
  }
],
"ServiceConfirmationDate": "2020-05-14T16:40:40.107",
"FieldSupervisorID": "CC-2020.005019",
"originatingSourceSystem": "Maximo",
"IsERS": true,
"Tax": 2
},
"ServiceConfirmationOrder": {
  "OrderID": "0060204151-001",
  "ServiceConfirmationItem": [
    {
      "ServiceConfirmationLineNumber": 1,
      "Description": "Test Smart Flow 30121",
      "Quantity": 1,
      "UnitOfMeasure": "EA",
      "UnitPrice": 10,
      "POLineNumber": 1,
      "ItemType": "Material",
      "ItemExtendedType": "Material",
      "CategoryName": "53A",
      "ServiceStartDate": "2020-05-05T16:00:00",
      "ServiceEndDate": "2020-05-05T16:00:00",
      "ConsumedDate": "2020-05-05T16:00:00",
      "SupplierPartID": "1",
      "SubLine": 1,
      "ScParentLine": 1,
      "ServiceLocation": {
```

```
"LocationName": "Chevron Products Co.",
"Address": {
  "Addressline1": "13215 N. Promenade Blvd.",
  "City": "Stafford",
  "ZipCode": "77477",
  "StateInfo": {
    "StateAbbreviationCode": "TX"
  },
  "CountryInfo": {
    "CountryCode": "US",
    "CountryName": "United States"
  }
},
"RegistrationDetails": []
},
"ItemSplit": [
  {
    "ItemSplitEntities": [],
    "Charge": 6,
    "SplitType": "Percentage",
    "Quantity": 0.5,
    "Percentage": 50
  },
  {
    "ItemSplitEntities": [],
    "Charge": 3,
    "SplitType": "Percentage",
    "Quantity": 0.25,
    "Percentage": 25
  },
  {
    "ItemSplitEntities": [],
    "Charge": 3,
    "SplitType": "Percentage",
```

```
        "Quantity": 0.25,
        "Percentage": 25
    }
],
"LineComment": [
    {
        "CommentText": "Line level comments %1%"
    }
],
"Tax": 2
}
]
}
```

Success Scenario - Response

```
{
  "data": null,
  "statusCode": "200",
  "errorDetails": [],
  "successDetails": [
    {
      "key": "SC_28_05_20_4"
    }
  ]
}
```

Error Scenario - Request

Request below describes that this contains ordered which is a mandatory field:

```
{
  "ServiceConfirmationRequestHeader": {
    "PartnerServiceConfirmationNumber": "SC_28_05_20_4",
    "ServiceConfirmationNumber": "SC_28_05_20_4",
    "Currency": "USD",
    "SubmittedOn": "0001-01-01T00:00:00",
    "ServiceConfirmationName": "BATCH Test Bulk Upload - Copy - Copy - Copy",
    "ServiceConfirmationStatus": "Approved",
    "CreatedBy": "123@gep.com",
    "TotalAmount": 0,
    "ClientPartnerCode": "0050007745",
    "WorkLocation": "dfsd",
    "HeaderComments": [
      {
        "CommentText": "Header level comments %1%"
      }
    ],
    "HeaderEntity": [
      {
        "EntityCode": "PC2",
        "IsDefault": false
      },
      {
        "EntityCode": "ElSegundo",
        "IsDefault": false
      },
      {
        "EntityCode": "ElSegundo-0061",
        "IsDefault": false
      },
      {
        "EntityCode": "0061",
        "IsDefault": false
      }
    ]
  }
}
```

```
{
  "EntityCode": "DRES",
  "IsDefault": false
},
{
  "EntityCode": "DPDS",
  "IsDefault": false
},
{
  "EntityCode": "3A2",
  "IsDefault": false
}
],
"ServiceConfirmationDate": "2020-05-14T16:40:40.107",
"FieldSupervisorID": "CC-2020.005019",
"originatingSourceSystem": "Maximo",
"IsERS": true,
"Tax": 2
},
"ServiceConfirmationOrder": {
  "OrderID": "0060204151-001",
  "ServiceConfirmationItem": [
    {
      "ServiceConfirmationLineNumber": 1,
      "Description": "Test Smart Flow 30121",
      "Quantity": 1,
      "UnitOfMeasure": "EA",
      "UnitPrice": 10,
      "POLineNumber": 1,
      "ItemType": "Material",
      "ItemExtendedType": "Material",
      "CategoryName": "53A",
      "ServiceStartDate": "2020-05-05T16:00:00",
      "ServiceEndDate": "2020-05-05T16:00:00",
```

```
"ConsumedDate": "2020-05-05T16:00:00",
"SupplierPartID": "1",
"SubLine": 1,
"ScParentLine": 1,
"ServiceLocation": {
  "LocationName": "Chevron Products Co.",
  "Address": {
    "Addressline1": "13215 N. Promenade Blvd.",
    "City": "Stafford",
    "ZipCode": "77477",
    "StateInfo": {
      "StateAbbrevationCode": "TX"
    },
    "CountryInfo": {
      "CountryCode": "US",
      "CountryName": "United States"
    }
  },
  "RegistrationDetails": []
},
"ItemSplit": [
  {
    "ItemSplitEntities": [],
    "Charge": 6,
    "SplitType": "Percentage",
    "Quantity": 0.5,
    "Percentage": 50
  },
  {
    "ItemSplitEntities": [],
    "Charge": 3,
    "SplitType": "Percentage",
    "Quantity": 0.25,
    "Percentage": 25
  }
]
```

```
    },
    {
      "ItemSplitEntities": [],
      "Charge": 3,
      "SplitType": "Percentage",
      "Quantity": 0.25,
      "Percentage": 25
    }
  ],
  "LineComment": [
    {
      "CommentText": "Line level comments %1%"
    }
  ],
  "Tax": 2,
  "supplierPersonalName": "abc"
}
}
}
```

Error Scenario - Response

```
{
  "data": null,
  "statusCode": "400",
  "errorDetails": [
    {
      "key": "SC_28_05_20_4",
      "errors": [
        {
          "errorCode": "DataException",
```

```
    "errorDescription": "Duplicate service confirmation number :SC_28_05_20_4"
  },
  {
    "errorCode": "DataException",
    "errorDescription": "Duplicate ERP SC Number is not allowed."
  },
  {
    "errorCode": "DataException",
    "errorDescription": "There was an error in processing the service confirmation as EndDate Can not be greater
than PO EndDate"
  }
]
}
],
"successDetails": []
}
```